



SAP Applications and Technology Platform Solutions

SAP List of Prices and Conditions SAP Software and Support 2016/2 Version 2

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Not a valid pricelist.
Convenience
Translation of the German language
SAP List of Prices and Condition Software and Support.
The German original is authoritative.

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PART 1 PRICES

Part 1 of this document contains provisions on prices and part 2 and 3 contain the conditions for the license and support of standard software.

This present document incorporates in its Part 1 "Prices" by reference the following documents, as detailed below.

The SAP List of Prices and Conditions Software and Support (for direct sales) for SAP Applications and Technology Platform Solutions consists of the following documents:

This present document incorporating:

- SAP Price list (SAP Applications and Technology Platform Solutions) (SAP Confidential).

This present document together with the document named above form the SAP List of Prices and Conditions SAP Software and Support for SAP Applications and Technology Platform Solutions (Direct Sales).

The SAP List of Prices and Conditions Software and Support (for direct sales) for SAP Business One consists of the following documents:

This present document incorporating:

- SAP Price List SAP Business One (SAP Confidential).

This present document together with the document named above form the SAP List of Prices and Conditions SAP Software and Support for SAP Business One.

1.1. Price Calculation

The contract price is defined as the total list price minus standard volume discounts. It is calculated as follows:

Determine the SAP Application Value (SAV) by adding list prices of SAV-relevant price list items

The SAP Application Value is determined separately for discountable and non-discountable price list items. It excludes all price list items that do not contribute to the SAP Application Value (non-SAV items).

If a database is licensed, calculate the database price by applying the appropriate percentage to the SAP Application Value

The database price is determined separately for discountable and non-discountable price list items.

For SAP Business One the following will apply instead: The respective Database Price will be calculated based on the sum per User/per CPU and is not discountable.

Determine list price for items that do not contribute to the SAP Application Value (sub-total non-SAV items)

The list price subtotal for items that do not contribute to the SAP Application Value is determined separately for discountable and non-discountable price list items.

Determine total list price

Add discountable and non-discountable part of the SAP Application Value, discountable and non-discountable portion of the database price, as well as discountable and non-discountable subtotal of price list items that do not contribute to the SAP Application Value.

Determine standard volume discount percentage based on total list price

Determine relevant discount percentage from volume schedule

Determine contract price

Apply standard volume discount to discountable part of total list price and add the result to the non-discountable part of total list price.

For SAP Business, the following will apply:

The Volume discount (which will be calculated according to the SAP Price List for SAP Business One) cannot be applied in conjunction with any other discount offered by SAP. If the customer is receiving a corporate discount, the volume discount is replaced by the corporate discount.

The corporate discount is defined as the discount customers may receive according to the conditions of their existing contract.

1.2. Further Special Conditions for SAP Business One

1.2.1 Minimum license requirement

The contract price (in the following of this chapter also named “total contract value”) of an initial purchase needs to exceed EUR 100,000, with the contract price defined as list price minus volume or corporate discounts, calculated according to the SAP price list for SAP Business One, current from time.

The total contract value of subsequent purchases needs to exceed EUR 15,000.

1.2.2 Support for SAP Business One

Customers using SAP Business One are only eligible to order the special SAP Standard Support for SAP Business One, according to the conditions of the SAP Price list Business One.

1.3. Software Rental

The monthly fee for rental is expressed as a percentage of the corresponding remuneration for the corresponding license purchase contract. It depends on the minimum period of validity.

Rental fees paid cannot be set off against the price in a subsequent software purchase.

Rental Period	Monthly Rental Fee Enterprise Support	Monthly Rental Fee Standard Support	Monthly Rental Fee Product Support for Large Enterprises
12 months (initially committed rental period)	6.5 %	6.0%	5,9%
36 months (initially committed rental period)	5%	4.5%	4,4%

IMPORTANT NOTE: Availability of rental contracts is restricted in the following countries.

Chile, China, Croatia, Hong Kong, Hungary, Ireland, Singapore, Switzerland, Taiwan

For a detailed description of the scope of SAP Standard Support, SAP Enterprise Support, and SAP Product Support for Large Enterprises and their prerequisites, see Part 3.

PART 2 SOFTWARE USE RIGHTS

This part of the document contains the conditions for the licensing of the software, that are incorporated into the contractual agreements.

Preamble

The terms on SAP Software use Rights set forth in this use document ("use Terms") apply to any Named Users and Packages (both as defined in Section 1.1.1 hereof) licensed pursuant to the Software Agreement referencing use this present document use. Except as otherwise set forth herein, each capitalized term referenced in these use Terms shall have the meaning given it in the Software Agreement or in the document "Standard Software License and Support, General Terms and Conditions SAP Deutschland SE & Co KG" (GTC). Unless otherwise indicated, terms/restrictions applicable to a component also apply when that component is included/embedded with another Package.

1. Licensing Principles / Rules of Use

1.1 Definitions

1.1.1 As used in these use Terms:

- 1) each SAP Software (in the context of this document called "Software" or "SAP Software") and/or Third Party Software (both as defined in the GTC) product licensed pursuant to the Software Agreement referencing use this present document may be referred to as a "Software Package" (when referencing only Software) or "Third Party Software Package" (when referencing only Third Party Software) or "Package" (when referencing both Software and Third Party Software);
- 2) "Named User" shall mean any individual authorized by Licensee to use (in accordance with the terms of the Software Agreement) a Package, including without limitation employees of its Affiliates or its Business Partners;
- 3) "Named User License" shall mean the Metric and Licensed Level applicable to each Named User;
- 4) "Package License" shall mean the Metric and Licensed Level applicable to each Package;
- 5) "Metric" shall mean a) when referenced in the context of a Named User, the individual Named User category and type (and corresponding Named User definition setting for such Named User's use rights) as further described in Section 2.1 hereof - and- b) when referenced in the context of a Package, the individual business metric corresponding with each Package as further described in Section 2.2 hereof;
- 6) "Licensed Level" shall mean a) when referenced in the context of a Named User, the quantity of Metric for which each individual Named User category and type is licensed -and- b) when referenced in the context of a Package, the quantity of Metric for which each individual Package is licensed; and
- 7) "Use" means to activate the processing capabilities of the Software, load, execute, access, employ the Software, or display information resulting from such capabilities. Use may occur by way of an interface delivered with or as a part of the Software, a Licensee or third-party interface, or another intermediary system; and
- 8) "Software Agreement" shall mean the agreements on the license and support of standard software.

1.2 Standard License Principles / Rules of Use

- 1.2.1 Named User License & Package License Required. Except as otherwise specifically provided in Sections 1.3.2, 2.1.4 and 3 hereof with respect to applicability of Named User Licenses, 1) the use of any Package requires both a Named User License and a Package License; 2) Licensee needs to hold a Named User License for any individual accessing any Package, and such Named User License shall define the extent to which such individual may use the Package, such use of the Package in all cases being further subject to the Package License and otherwise in accordance with the terms of the Software Agreement. Named User Licenses cannot be assigned to more than one individual.
- 1.2.2 Additional Named User Rules for SBOP and Legacy SBOP Software Not Licensed For Standalone Use. "SBOP" and "Legacy SBOP" shall mean any Software identified as SBOP or Legacy SBOP, respectively in these Use Terms. Unless otherwise specifically set forth herein, all references to "SBOP" shall be deemed to include any licensed Software identified under any Software Agreement as "Legacy SBOP"; however, references to "Legacy SBOP" shall only mean any licensed Software specifically identified as "Legacy SBOP" on Exhibit 1.

Any licensed Legacy SBOP may only be used by individuals licensed as a Developer User, Business Expert User, Business Analytics Professional User, BI Limited User, or Business Information User, and such use shall be in accordance with each individual's respective Named User type (and subject to the applicable Licensed Level(s) for such Software).
- 1.2.3 Runtime Software. Licensed Package(s) may utilize limited functionality of other Packages, for which Licensee does not hold a license ("Runtime Software"). Until Licensee has expressly licensed the Runtime Software, Licensee's use of such Runtime Software is limited to access by and through the licensed Package(s), and any permitted Modifications thereto for the sole purpose of enabling performance of the licensed Package(s) and integrating data from licensed SAP Software as specified in the Documentation. In the event Licensee Uses a Package to build and/or operate a custom developed or third party application, additional licenses may be required.
- 1.2.4 Country / Language Versions and Availability Restrictions. There are no applicable country/language specific versions licensed by Licensee from SAP unless otherwise specifically stated in a Software Agreement. Packages may be subject to availability restrictions. Information about such restrictions including country availability, supported languages, supported operating systems and databases may be provided through the Product Availability Matrix (PAM) published at <https://support.sap.com/release-upgrade-maintenance/pam.html> or otherwise included in the Documentation.
- 1.2.5 Internet Connectivity. Some Packages require connection to the internet in order to properly function. Licensee is responsible for obtaining internet connectivity and SAP will not be responsible for loss of functionality due to failure of internet connectivity.
- 1.2.6 Third Party Web Services. Some Packages enable connection to Third Party Web Services. Terms related to those Third Party Web Services are contained in Exhibit 8 of these Use Terms. For the purposes of these Use Terms, "Third Party Web Services" means (i) any and all web services made available by third parties (other than SAP, SAP SE and/or any of their affiliated companies) that are accessible through or enabled by the Software or SAP Materials, and (ii) any and all application

programming interfaces, web service definition files, and other materials made available by or on behalf of such third party web service providers to facilitate the access to and use of such web services.

1.2.7 Operating Power Stations and Means of Mass Transportation.

Software may not be used for process control in power stations or for control or monitoring of means of mass transportation.

1.2.8 Add-Ons and Modifications

“Add-on” means any development that adds new and independent functionality, but is not a Modification (defined below), and that uses APIs.

“API” means application programming interfaces or other code that allow other software products to communicate with or call on the Software or Cloud Service (for example, SAP Enterprise Services, BAPIs, Idocs, RFCs and ABAP calls or other user exits).

“Modification” means any development that (i) changes the delivered source code or metadata; or (ii) uses APIs but does not add new and independent functionality and only customizes, enhances, or changes existing functionality of the Software or Cloud Service. For clarification: customizing and parametrization of Software or Cloud Service is not considered a Modification but allowed within the contractually agreed Use.

“contractual” means provided to Licensee in performance of a Software Agreement.

Licensee may Use any API or tools contained in the contractual SAP Software or otherwise obtained from SAP in order to develop or use Modifications or Add-Ons, subject to Licensee's fulfilling its obligations set forth in this section 1.2.8 in relation to Modifications and/or Add-Ons. For clarification: Any Modifications or Add-Ons developed by SAP or any of the SAP Affiliates on behalf of End User or as a product are exclusively subject to the provisions of the respective agreement and not subject to the provisions of this section 1.2.8 below.

a. Except as otherwise agreed and except as expressly required by law or expressly permitted in this section 1.2.8 Licensee shall not create, use, or make available to any third party any Modification of or Add-On to the contractual SAP Software. Modifications may only be made in relation to contractual SAP Software delivered by SAP in source code.

b. End User is responsible for any deficiencies in the running, security or performance of the contractual SAP Software and other programs, and in communications between the contractual SAP Software and other programs ("Deficiencies") caused by Modifications or Add-Ons to the contractual SAP Software. SAP points out that Add-Ons to and even minor Modification of the contractual SAP Software may lead to unpredictable and significant Deficiencies. Such Deficiencies may also arise because of an Add-On or Modification not being compatible with later versions of contractual Software. SAP is entitled to change the SAP Software, APIs, or both without care for the compatibility of any Modification or Add-On that End User uses with any later version of the SAP Software.

c. In addition, SAP is neither responsible for Deficiencies caused by Modifications or Add-Ons to the contractual SAP Software nor obliged to provide remedies under warranty or other obligations in relation to Deficiencies caused by Modifications or Add-Ons to the contractual Software. SAP is not obliged to provide any contractually agreed SAP Support services if and to the extent, the provision of such SAP Support is aggravated because of Modifications or Add-Ons to the contractual SAP Software. SAP recommends that End User registers via SAP's registration procedure at <http://support.sap.com/sscr> such Modifications or Add-Ons in order to help SAP to identify the reason for possible support issues.

d. These Modifications and Add-Ons must be used only together with the contractual Software and only in accordance with the license to use the Software granted in the Software Contract. SAP retains the right to develop its own Modifications or Add-ons to the SAP Software but SAP is not entitled to copy Licensee's software code. Modifications or Add-Ons must not (and subject to other limitations set forth herein): enable the bypassing or circumventing of any of the restrictions set forth in the Agreement and/or provide Licensee with access to the SAP Software in excess of Licensee's use rights duly obtained nor render or provide any information concerning the SAP Software. Licensee covenants not to assert against SAP or any SAP Affiliate any rights in any (i) Modifications or Add-Ons, or (ii) other functionality of the SAP Software accessed by such Modifications or Add-Ons.

1.2.9 Import / Export

Any software (including patches, fixes, updates, upgrades and new versions of software), documentation, services and/or materials (altogether referred to as "Items") delivered by SAP under this Agreement are subject to the export and import control laws of various countries, including, without limitation, the laws of the United States, the EU, Ireland and Germany.

Customer acknowledges that the delivery of any Items by SAP may be subject to the prior obtaining of export and/or import authorizations from the competent authorities and that this process may considerably delay or prevent the delivery and/or impact SAP's ability to provide maintenance and support.

Customer shall support SAP in obtaining any required authorization by providing information and/or declarations, e.g. End Use Certificates, as may be requested by SAP.

Customer shall be responsible for complying with all applicable governmental regulations of the country where Customer is registered, and any foreign countries with respect to the use of the Items by Customer and/or its Affiliates.

At Customer's request, SAP shall provide Customer

(a) with the export control classification numbers of any Items delivered under this Agreement, in accordance with the EU Dual Use Regulation 428/2009/EC, as amended by Regulation 388/2012/EU; and

(b) the US Export Administration Regulation; and

(c) technical information as may required by Customer for the purpose of export and import licensing procedures in other countries;

provided that SAP may refuse the provisioning of such information:

(i) where it is not readily available to SAP; and or

(ii) where SAP believes, in its sole discretion, that disclosure of such information may put SAP's or any of SAP's licensors' intellectual property and/or trade secrets at risk.

Customer agrees that it will not submit the Items to any government agency for licensing consideration or other regulatory approval without the prior written consent of SAP, and will not export the Items to countries, persons or entities prohibited by the laws of Germany, the EU, the US and other applicable export laws, trade sanctions and embargoes.

1.2.10 SYSTEM AUDIT AND MEASUREMENT / ADDITIONAL LICENSES.

“contractual” in Section 1.2.10 means provided to Licensee in performance of a Software Agreement.

1.2.10.1 Licensee must give SAP prior written notice of any use of the contractual SAP Software outside the contractually permitted use. It requires its own contract with SAP with regard to the additional license required (“Additional License”). The Additional License is subject to the provisions of the LPC in force at the time of the execution of the Additional License.

SAP is permitted to audit the usage of the contractual SAP Software (ordinarily once a year) in accordance with SAP standard procedures (described in 1.2.10.3) by system measurement. Ordinarily, Licensee can conduct the measurement itself using the tools provided by SAP for that purpose.

SAP is permitted to conduct the audit remotely if Licensee refuses to conduct the measurement itself, or if it does not produce meaningful results and there are reasonable grounds to suspect a breach or infringement by Licensee. In exceptional cases, SAP is permitted to conduct the audit at Licensee’s installations if Licensee refuses to allow the remote audit or if it does not produce meaningful results and there are reasonable grounds to suspect a breach or infringement by Licensee. Licensee must cooperate reasonably with SAP in the conduct of audits remotely and at Licensee’s installation and must, among other things, afford SAP insight into its systems to the required extent. SAP will give Licensee reasonable prior notice of an audit to be conducted at Licensee’s installation. SAP will have reasonable regard to the interests of Licensee’s confidentiality and to the protection of Licensee’s business operations from compromise. If an audit reveals any breach by Licensee, Licensee must bear the reasonable expense to SAP of conducting the audit.

1.2.10.2 If it becomes apparent in an audit or otherwise that Licensee has used the contractual SAP Software outside the Software Agreement, SAP and Licensee will execute an Additional License. In those circumstances, SAP reserves the right not to give any agreed discount except the quantity discount in the LPC. Section 1.2.10.1., sentences 2 and 3, apply. SAP reserves the right to claim damages and to claim late payment interest.

1.2.10.3 The then current Documentation for the Standard procedures for verification is provided by SAP under:

<https://support.sap.com/keys-systems-installations/measurement/information/Documentation.html>

1.3 Exceptional License Principles / Rules of Use for Special License Scenarios

1.3.1 This Section 1.3 sets forth the exceptional license principles / rules of use for the following special license scenarios (“Special License Scenarios”), and, to the extent the exceptional license principles / rules of use for any Special License Scenario identified in this Section 1.3 contradict the standard license principles / rules of use set forth in the Software Agreement and Section 1.2 hereof, then the terms of this Section 1.3 shall control over those contradicting terms in Section 1.2 hereof.

1.3.2 Standalone Use. Software is licensed for Standalone use if identified as such in the applicable Software Agreement. “Standalone Use” means the Software (and any corresponding Third Party Software) identified as “Standalone Use” that may only be Used with any other Software and/or Third Party Software with the same “Standalone Use” designation in the applicable Software Agreement from SAP, or an authorized reseller, distributor or other authorized partner of SAP and/or non-SAP branded software licensed from third parties..

For avoidance of doubt, all Software licensed under a Restricted License (as defined in Section 1.3.3) or by an SAP acquired entity prior to its legal integration with a successive SAP entity is deemed licensed for Standalone Use only.

1.3.2.1 Standalone Use of Legacy SBOP Software. Use of Legacy SBOP licensed for Standalone Use does require a Named User License in addition to the Package License for the actual Legacy SBOP, SBOP Software licensed from any resellers, distributors, OEMs or other third parties may be Used solely for Standalone Use, unless otherwise agreed by SAP in writing in the applicable Software Contract.

The only Named User types authorized to use Legacy SBOP licensed for Standalone Use are SAP Application Standalone Business Analytics Professional User, SAP Application Standalone BI Limited User, or SAP Application BI Viewer User, and such use shall be in accordance with each individual’s respective Named User type (and subject to the applicable Licensed Level(s) for such Software).

1.3.3 Restricted License. *If Licensee acquired the Software bundled or otherwise provided in combination with or for use with a third party product (“OEM Application”) from a third party, Licensee has acquired a Restricted License. Licensee may use each licensed copy of the Software only in conjunction with the OEM Application with which it was provided. Accessing data that is not specifically created or necessary to enable the functionalities of the OEM Application is in violation of this license. If the OEM Application requires the use of a data mart or data warehouse, the OEM Application may be used with the data mart or data warehouse only to access data created or necessary to enable the functionalities of the OEM Application. Restricted Licenses may not be combined with unrestricted licenses.*

1.3.4 Subscription License. Unless otherwise agreed in writing between the parties, if the Software is licensed on a subscription basis, Licensee is granted a non-exclusive and non-transferable license to use the Software for a twelve-month term, renewable annually at Licensor’s then current rate or such other term as mutually agreed in writing by the parties.

1.3.5 Development License. Unless otherwise agreed in writing between the parties, if Licensee receives a development license, Licensee may use the number and type of licenses acquired only to develop or test such developments. A development license cannot be used in or transferred to a production environment.

- 1.3.6 Update License. Unless otherwise agreed in writing between the parties, if Licensee receives the Software as an update to a previously licensed product, Licensee's license to use the Software is limited to the aggregate number of licenses Licensee has acquired for the previous product. If Licensee chooses to use the Software and the previous product simultaneously, the aggregate number of licenses used to access the Software and the previous product may not exceed the aggregate number of licenses Licensee acquired for the previous product.
- 1.3.7 SAP Business One Software. Additional terms and conditions related to the licensing of SAP Business One Software, including applicable Metrics and Package restrictions, are stated in Exhibit 6. Use of third party database products with SAP Business One may be subject to additional terms and conditions required by SAP's suppliers. Such additional terms and conditions are set forth in Exhibit 4, "Pass-Through Terms for Third Party Databases."

2. Metrics

2.1 Named User Principles and Metrics

2.1.1 Named User Principles. Except as otherwise specifically provided in Sections 1.3.2, 2.4.1. and 3 hereof with respect to applicability of Named User Licenses, only appropriately licensed Named Users may use a Package, and such use shall be subject to the "Named User License" and the "Package License", and be otherwise in accordance with the terms of the Software Agreement, unless otherwise set forth in Exhibit 3 hereto.. The transfer of a Named User License from one individual to another may only be done in if the individual to which the Named User License is assigned (i) is on vacation, (ii) is absent due to sickness, (iii) has his/her employment terminated, (iv) is moved into a new job function which no longer requires him/her to use any Packages or (v) is subject to a condition that is otherwise agreed by SAP.

2.1.2 Important Note for Licensees with Contracts from June 2014 and earlier. Such Licensees may have licensed one of the following previous user types: mySAP.com Users, SAP Business Suite Users, SAP ERP Users, Individual SAP solutions Users.,Such Licensees do not have the right to license SAP Named Users. Licensees that have already licensed one or several of the above user types and/or SAP Application Users are permitted to license additional quantities of the same user types, SAP BA&T Users. The preceding regulations do not apply for Limited Professional Users.

2.1.3 Named User Metric – Categories, Types and Corresponding Definitions.

Named User Metrics, including categories, types and corresponding definitions, are stated in Exhibit 2, which is incorporated herein by reference.

2.1.4 Named User Exceptions:

2.1.4.1 Suppliers

When accessing the following SAP Software Packages, suppliers do not require Named User licenses: SAP Extended Sourcing, SAP Extended Procurement, SAP Supplier Self Services, SAP Supplier Lifecycle Management, SAP SRM Rapid Deployment Edition, SAP Supplier Collaboration, SAP Customer Collaboration, SAP Outsourced Manufacturing, SAP Trade Promotion Planning for Consumer Products, SAP Trade Promotion Execution for Consumer Products, SAP Trade Funds and Claims Management for Consumer Products, SAP Subcontractor Management for Consumer Products, SAP Procurement for Public Sector, SAP Supplier Relationship Management & Logistics for Health Care.

2.1.4.2 Business Partners:

When accessing the following SAP Software Packages, Business Partners do not require Named User Licenses:, SAP Contract Lifecycle Management.

2.1.4.3 Customers:

When accessing the following SAP Software Packages, customers do not require Named User Licenses: SAP Bill-To-Cash Management for Energy Utilities, SAP Bill-To-Cash Management for Water Utilities, SAP Bill-To-Cash Management for Waste and Recycling.

2.1.4.4 Employees:

When accessing the following SAP Software Packages, Employees do not require Named User Licenses: SAP IT Service Desk Operation, SAP Workforce Management for Retail.

2.1.4.5 Appraisers:

When accessing the following SAP Software Package(s), appraisers do not require Named User Licenses: SAP Supplier Lifecycle Management

2.1.4.6 Consumers/Constituents:

Individuals who are not employees of Licensee or Licensee's Business Partners and who purchase or receive goods and/or services from Licensee do not require Named User licenses unless otherwise regulated.

2.2 Package Principles and Metrics

2.2.1 Package Principles. Each Package is licensed based upon the Metric applicable to it, and in no case may use of a Package exceed the License Level for which the Package is licensed.

2.2.2 Package Metrics – Types and Corresponding Definitions.

Package Metrics, including types and corresponding definitions, are stated in Exhibit 2, which is incorporated herein by reference.

3. Package Specific Terms / Use Rules

3.1 **Package Licenses** A Package License for any Package referenced in Exhibit 3 shall include, and be subject to, the specific terms / Use rules applicable to such Package as outlined in Exhibit 3, which is incorporated herein by reference.

3.2 **Applicability** This Section 3.2 applies to any Third Party Software Package (including, without limitation, databases) as well as for Third Party Software as part of a Package, both licensed pursuant to a Software Agreement respectively and control over any conflicting terms set forth in the GTC, subject to the following exception: The provisions herein on SAP's liability for Third Party Software are not applicable. The relevant provisions of the GTC apply exclusively. All Third Party Software Packages are restricted for use solely in conjunction with the particular Package intended by SAP to be used therewith or with which SAP provides the Third Party Software Package, and Third Party Software Packages may not be used with any other Package, or on an individual basis. Unless otherwise specifically provided in Section 3 of the Use Terms, any use of the Third Party Software Packages (whether productive or non-productive) shall count against the Licensed Level for any applicable Metric.

3.2.1 **Exceptions from GTC for Third Party Software Packages.**

3.2.1.1 Section 6.3 (Modification / Add-on) of the GTC shall not apply to any Third Party Software Packages unless otherwise set forth herein. Licensee shall not make Modifications or Add-ons to Third Party Software Packages, or otherwise modify Third Party Software Packages unless expressly authorized by SAP in writing.

3.2.1.2 **Limitation of Liability.** ANYTHING TO THE CONTRARY HEREIN NOTWITHSTANDING, WITH RESPECT TO ANY AND ALL CLAIMS AND DAMAGES OF ANY KIND OR NATURE IN ANY WAY ARISING FROM OR RELATED TO THE THIRD PARTY SOFTWARE LICENSED PURSUANT TO AN SOFTWARE AGREEMENT REFERENCING THESE USE TERMS, UNDER NO CIRCUMSTANCES SHALL SAP OR ITS LICENSORS BE LIABLE TO EACH OTHER OR ANY OTHER PERSON OR ENTITY FOR AN AMOUNT OF DAMAGES IN EXCESS OF THE PAID LICENSE FEES FOR THE APPLICABLE THIRD PARTY SOFTWARE DIRECTLY CAUSING THE DAMAGES OR BE LIABLE IN ANY AMOUNT FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES, LOSS OF GOOD WILL OR BUSINESS PROFITS, WORK STOPPAGE, DATA LOSS, COMPUTER FAILURE OR MALFUNCTION, OR EXEMPLARY OR PUNITIVE DAMAGES.

3.3 **Databases**

3.3.1. If a runtime database is licensed and the Software Agreement does not exclude any Packages licensed thereunder from such runtime database license, then the following terms shall govern Licensee's use of such runtime database:

3.3.1.1. Licensee may only use the runtime database licensed pursuant to a Software Agreement referencing Use Terms in conjunction with its use of the Packages licensed pursuant to such Software Agreement. In the event Licensee Uses the licensed runtime database other than as specified in this paragraph, a full use license, including programming tools, must be licensed directly from an authorized vendor.

3.3.2. If a runtime database is licensed and the Software Agreement excludes certain Software Packages licensed thereunder from such runtime database license ("Excluded Components"), then the following terms shall govern Licensee's use of such runtime database:

3.3.2.1. Licensee may only use the runtime database licensed pursuant an Software Agreement referencing use this present document in conjunction with its use of the Packages licensed pursuant to such Software Agreement that are not Excluded Components. In the event Licensee Uses the licensed runtime database other than as specified in this paragraph, a full use license, including programming tools, must be licensed directly from an authorized vendor.

3.3.2.2. The Excluded Components may require a database product. Respective to the Excluded Components: (i) neither the Software Agreement nor the Software Agreement contain a license to use any database product, even where integrated or pre-installed as part of the Excluded Components; (ii) each database product is subject to its respective vendor license agreement; (iii) SAP makes no representations or warranties as to the terms of any license or the operation of any database product obtained directly from a third party vendor; and (iv) Licensee is responsible for support and maintenance of any database product obtained from a third party vendor, and SAP has no responsibility in this regard.

3.3.3. If a runtime database is not licensed, then the following terms shall apply:

3.3.3.1. The Packages licensed pursuant to an Software Agreement referencing use this present document may require a database product. Respective to such Packages: (i) neither the Software Agreement nor the Software Agreement contain a license to use any database product, even where integrated or pre-installed as part of such Software and/or third party software; (ii) each database product is subject to its respective vendor license agreement; (iii) SAP makes no representations or warranties as to the terms of any license or the operation of any database product obtained directly from a third party vendor; and (iv) Licensee is responsible for support and maintenance of any database product obtained from a third party vendor, and SAP has no responsibility in this regard.

3.3.4. **DATABASE DEPLOYMENT AN COMMUNICATION RIGHTS AND RESTRICTIONS (SEGREGATED DATABASE LANDSCAPE):** The following shall apply where Licensee: (a) licenses a TPD (as defined below) for Use with some, but not all, SAP Software Packages(s) and/or Named User(s) that are SAV relevant for such TPD; and/or (b) licenses a TPD and any Package(s) having "S/4 HANA" in the Package name or otherwise identified in the Agreement as an "S/4 HANA" Package.

Notwithstanding anything to the contrary in the Agreement, where some of the Software and third party software (excluding "TPD" as later defined) licensed under the Agreement ("SW") is licensed for Use with a third party runtime database also licensed under the Agreement ("TPD"), and some SW is not licensed for Use with such TPD, then the following deployment and communication rights and restrictions shall apply:

1.1 Deployment Rights & Restrictions. As referenced herein, "Technical Installation" means a deployment of SW running on a unique database instance. Subject to any applicable SAP database license fees and Section 1.5 (S/4HANA Packages) of this SUR, SW licensed for Use with such TPD can be deployed in any of the following "Installation Types":

- (A) "Type 1 Installation" means any Technical Installation upon which all SW deployed is licensed for Use with, and is running on, such TPD;
- (B) "Type 2 Installation" means any Technical Installation upon which all SW deployed is licensed for Use with, but is not running on, such TPD; and,
- (C) "Type 3 Installation" means any Technical Installation upon which none of the SW, or only a portion of the SW, deployed is licensed for Use with such TPD, and therefore a TPD is not deployed and/or running.

SW not licensed for Use with a TPD can only be deployed in Type 3 Installations and is subject to any applicable SAP database license fees. The Technical Installation(s) for each Installation Type must be separate from the Technical Installation(s) used for other Installation Types.

1.2 Installation Communication Rights and Restrictions between Installation Types.

(A) Between Type 1 Installation and Type 2 Installation. Bi-directional communication (including data transfers) shall be permitted between SW and/or TPD in Type 1 Installations and SW in Type 2 Installations.

(B) Between Type 1 Installation and Type 3 Installation.

- (i) Database Level Communication. Communication (including data transfers) at the database level shall be limited to a *one-time productive* transfer of data ("Initial Data Load") directly from TPD in Type 1 Installation to SAP HANA Software in Type 3 Installation. For purposes of clarification, unlimited transfers of data directly from TPD in Type 1 Installation to SAP HANA Software in a separate, non-productive Type 3 Installation shall be permitted prior to conclusion of the Initial Data Load.
- (ii) Application Level API Communication. Bi-directional communication (including data transfers) occurring via "Application Level APIs" is permitted. "Application Level APIs" are those application programming interfaces delivered as part of the licensed SW, excluding all application programming interfaces/technologies when such interfaces/technologies are used to communicate with and/or replicate data at a database level.

(C) Between Type 2 Installation and Type 3 Installation.

- (i) SAP HANA Level Communication. Communication (including data transfers) at the SAP HANA Software level shall be limited to *one-way* transfers of data directly from SW in Type 3 Installations to SAP HANA Software in Type 2 Installations.
- (ii) Application Level API Communication. Bi-directional communication (including data transfers) occurring via Application Level APIs is permitted.

3.4 Standalone Use for Third Party Databases

If a Software Agreement referencing these Use Terms includes a Standalone Use restriction, then the following terms shall apply:

3.4.1 The Packages licensed pursuant to an Software Agreement referencing use this present document may require a database product. Respective to Packages: (i) neither the Software Agreement nor the Software Agreement contain a license to use any database product, even where integrated or pre-installed as part of such Software and/or third party software; (ii) each database product is subject to its respective vendor license agreement; (iii) SAP makes no representations or warranties as to the terms of any license or the operation of any database product obtained directly from a third party vendor; and (iv) Licensee is responsible for support and maintenance of any database product obtained from a third party vendor, and SAP has no responsibility in this regard.

3.5 Pass-Through Terms

Use of third party database products and directories may be subject to additional terms and conditions required by SAP's suppliers. Such additional terms and conditions are set forth in Exhibit 4, "Pass-Through Terms for Third Party Databases" and Exhibit 5 "Pass-Through Terms for Directories," respectively.

3.6 Open Source Software

Applicable specific conditions related to certain open source products made available by SAP are part of the applicable product documentation and/or delivered with the Software as a "README" file and apply to Licensee's use of any such open source products. The definition of open source can be found under www.opensource.org/.

3.7 SAP Best Practices

Software Packages may be delivered with settings and master data that have been pre-configured to address generalized requirements of a specific industry sector or country (SAP Best Practices). It is Licensee's responsibility to determine the feasibility of using SAP Best Practices as a basis for its own customizations and parameterizations of the SAP Software in a productive environment.

3.8 **SAP Tools**

The Software, particularly the ABAP Workbench and SAP NetWeaver, contains software tools. Licensee may only use these tools to program Modifications or to create Add-ons to the SAP software in accordance with the Software Agreement. The tools may not be transferred, either in whole or in part, into modified or created software.

3.9 **Function Modules**

The Software may contain function modules, which are stored in a function library. Some of these function modules carry a release indicator for transfer into modified or newly created software. Only these function modules may be transferred by the Licensee into Modifications or Add-ons to the software. The function modules may not be modified or decompiled unless otherwise permitted under the Software Agreement.

Exhibit 1- Legacy SBOP Software

Legacy SBOP

Business Intelligence
SAP BusinessObjects BI Starter Package
SAP BusinessObjects BI Package (CPU)
SAP BusinessObjects BI Package (user)

Exhibit 2 - Named User Metrics and Package Metrics

SAP Named User – Cross Line Of Business

SAP Developer User is a Named User authorized to access the development tools provided with the licensed Software for the purpose of making Modifications and/or Add-ons to the licensed Software. The SAP Developer User also includes the rights granted under the SAP Employee User.

SAP Learning User is a Named User solely authorized to access the specified learning solutions on SAP's price list, provided that the Licensee has licensed those learning solutions.

SAP Professional User is a Named User authorized to perform operational related and system administration / management roles supported by the licensed Software (excluding SBOP) and also includes the rights granted under the the SAP Project User, SAP Logistics User, SAP Industry Portfolio User, SAP Retail User, SAP Worker User and SAP Healthcare User.

SAP Project User is a Named User authorized to perform one or more of the following roles supported by the licensed Software (excluding SBOP): (i) project management, including project-related resource management, project-related creation, change and display of quotation, order and billing in SAP ERP, accounting on individual projects, creation of project-related purchase requests, purchase orders and service entry sheets, (ii) product and project related reporting, (iii) managing project-related revenues and expenses (iv) viewing Accounts Receivable (A/R) General Ledger (G/L) postings, (v) controlling access and releasing product data and recipes in collaborative product development scenarios, (vi) viewing and approving changes through engineering records, (vii) managing change through engineering records, (viii) collaborating in cFolders and, (ix) interfaces to 3rd party authorized authoring tools. The SAP Project User also includes the rights granted under the SAP Manager Self-Service User.

SAP Named User – Line Of Business

SAP Employee User is a Named User authorized to perform the following roles supported by the licensed Software (excluding SBOP), all solely for such individual's own purpose and not for or on behalf of other individuals: (i) Use (excluding the right to modify and/or customize) standard and interactive reports related to those SAP Employee User's tasks listed in this definition only, and delivered with the licensed Software, (ii) travel planning / expense reporting self-services, (iii) perform procurement self-services, and (iv) room reservation self-services. The SAP Employee User also includes the rights granted under the SAP Learning User and the SAP Employee Self-Service User.

SAP Employee Self-Service User is a Named User authorized to perform the HR self-services role of (i) employee time and attendance entry, (ii) employee appraisals, (iii) talent and skill profiles, and (iv) profile match up supported by the licensed Software (excluding SBOP), all solely for such individual's own purpose and not for or on behalf of other individuals. The SAP ESS User also includes the rights granted under the SAP Employee Self-Service Core User.

SAP Employee Self-Service Core User is a Named User authorized to perform the following HR self-services roles supported by the licensed Software (excluding SBOP), all solely for such individual's own purpose and not for or on behalf of other individuals: (i) employee records maintenance, (ii) employee directory, (iii) benefits and payment, (iv) leave management and (v) E-Recruiting. Further, an SAP Employee Self-Service (ESS) Core User is also authorized to access "Non-SAP Content" that resides on Licensee's "SAP Portal", so long as accessing such Non-SAP Content does not require or result in any Use of the licensed Software (beyond access to such Non-SAP Content as it resides on Licensee's SAP Portal). As used in this ESS Core User definition, (i) "Non-SAP Content" means information created through no Use of the licensed Software and (ii) "SAP Portal" means any portal created by Licensee Using SAP Enterprise Portal Software (as provided with the licensed SAP NetWeaver Software) which provides appropriately licensed Named Users a common access point by which to Use licensed SAP Software.

SAP Logistics User is a Named User solely authorized to perform following tasks for the applicable licensed Software (excluding SBOP):

- **Transportation Management:** To look up a freight contract, tracking a certain shipment and similar activities, update master data (rates, lanes, locations), manage transportation request entries, transportation planning, responding to RFP (request for proposal) for viewing and confirmation of events, charge calculation verification and similar activities.
- **Warehousing:** To confirm goods receipts and put away, deconsolidate goods upon receipt, pick at pick points, manage stock movements including replenishment, perform production staging and enter physical inventory counts, packing, or confirming VAS (value added services) and perform scheduling activities for dock door appointments. The SAP Logistics Users may access the Software through radio frequency mobile devices.
- **Track and Trace:** To view a serialized and/or any tracked object, such as querying its current or past location or ascertaining product genealogy; to access product traceability solutions, to report goods movement or view traceability reports, To view the status of defined supply chain events, expected or unexpected, e.g. delayed shipment of a sales order, change to a purchase order confirmation and to perform confirmation of or changes to supply chain events, e.g. update a change to a production order date or quantity.

For Licensee employees, the SAP Logistics User also includes the rights granted under the SAP Employee User

SAP Worker User is a Named User working in Licensee's production facilities or as a maintenance worker who is solely authorized to perform one or more of the following roles supported by the licensed Software (excluding SBOP): (i) display work instructions, and document activities and operations, (ii) confirm goods receipts, goods issues, stock movements and completion confirmations into maintenance work orders, (iii) enter production order confirmations, (iv) record product or production information, e.g. quality inspection results or plant/process/equipment data, (v) enter production issues and related service requests, (vi) submit purchase requisitions for tools, spare parts for production equipment, etc. (vii) confirm maintenance notifications, (viii) enter service requests and service entry sheet, (ix) any maintenance activities, reporting or dash-boarding related to the items set forth above. The SAP Worker User also includes the rights granted under the SAP Employee User.

SAP Business Partner User is a Named User who is an employee of a Business Partner accessing the licensed Software (excluding SBOP) solely to perform operational related tasks within standard business-to-business scenarios.

SAP Manager Self-Service User is a Named User authorized to perform one or more of the following manager self-services roles: (i) request administrative changes using processes and forms contained within Human Capital Management, (ii) create requisition requests and candidate assessments, (iii) perform talent assessments and appraisals, (iv) plan and approve compensation, (v) view budget overviews, (vi) organize project management tasks, (vii) perform planning tasks, (viii) approve travel requests and expenses, and (ix) perform HR and procurement workflow tasks related to the manager's direct report or business unit/department.

These roles must be directly related to the employees and business unit/department for which the manager is responsible, supported by the licensed Software (excluding SBOP), and related to Human Capital Management only. The SAP Manager Self-Service User also includes the rights granted under the SAP Employee User.

SAP Named User – Industry

SAP Health Care User is a Named User who is an employee of Licensee in hospital wards or outpatient clinics who is solely authorized to perform patient care related roles (excluding patient administration, billing, coding and call center roles) supported by the licensed Software and is solely authorized to access directly and indirectly the specified industry packages for Healthcare on SAP's price list, provided that Licensee has licensed those packages. The SAP Healthcare User is not entitled to access other SAP solutions or solution components.

SAP Industry Portfolio User is a Named User solely authorized to access the specified industry packages on SAP's price list, provided that Licensee has licensed those packages. The SAP Industry Portfolio User is not entitled to access other SAP solutions or solution components. The SAP Industry Portfolio User also includes the rights granted under the SAP Employee User.

Licensee must license External business partners in the industries Insurance, Media and Automotive collaborating with the Licensee as SAP Industry Portfolio Users. Those business partners are not entitled to access other SAP solutions or solution components besides the specified industry packages.

Cerner i.s.h.med User is a named user who solely has access to Cerner i.s.h.med from SAP and is given access to Cerner i.s.h.med from SAP through appropriate authorizations. Cerner i.s.h.med Users are not entitled to access any other SAP solution or solution component in particular they are not authorized to access any functionality of the SAP Patient Management industry package.

SAP Retail User is a Named User working in Licensee's retail store as an associate who is solely authorized to perform non-managerial retail store / point-of-sale related roles supported by the licensed Software (excluding SBOP) and also includes the rights granted under the SAP Employee User.

SAP Named User - Platform User

SAP Platform User is a Named User authorized to Use licensed Software through a separate SAP, Partner, or customer application that connects to and/or communicates with SAP Software through published SAP application programming interfaces. License requirements for Netweaver products and / or Third Party Software remain unaffected.

SAP Platform User for Productivity Apps is a Named User that needs to be licensed for scenarios in which the licensed Software is accessed through one or more Productivity App(s). License requirements for Netweaver products and/or Third Party Software remain unaffected.

REMAINING METRICS

REMAINING METRICS - A

Accounts

Accounts are accounts (i.e. checking, savings and trading accounts) and/or transactions (securities transactions as spot plus forward deals and money marked / foreign exchange transactions).

20-digit accounts are accounts (i.e. but not limited to checking, savings and trading accounts), consisting of 20 digits.

Assets

Assets are master records defined for pieces of equipment that the customer has identified in their system, as being critical to their operations that will be modelled and monitored by the software. An equipment master record can be configured as a single item (e.g. a crane), or as a "multi-part equipment" (which could have, e.g., 100 drilling machines in inventory), in both cases only one equipment master record is counted for pricing.

Funded assets are all contracts (leasing, loans etc.) managed by SAP Funding Management which are currently refinanced. In this context, the effective amount is the sum of all refinancing transactions in status "fixed" or "funded".

Assets under management of the insurance company which uses the product is the sum of all relevant financial assets as disclosed in the latest annual statement of the insurance company in a fiscal year.

If the customer does not disclose a comprehensive annual statement, the customer will report on an annual basis the respective information to SAP.

If the product shall be licensed only for a subdivision of the insurance company the respective license contract requires an explicit definition.

For SAP Leasing for Banking:

Assets under management represent (i) the book value / amount financed of capital or financed leases including residuals whether owned or managed for others (ii) the book value of assets on operating lease contracts owned or managed for others (iii) the book value of loans and other receivables (iv) the book value of assets intended for leasing business (v) the value of related services over a prior consecutive 12 months period.

Authors

Authors are persons who can create/edit a visualization using SAP Application Visualization by iRise, the add-on for Supplier Relationship Management (if applicable), and add-on for general SAP solutions (if applicable).

REMAINING METRICS - B

Barrel of Oil Equivalent per Day (BOEPD) **Barrel of Oil Equivalent per Day (BOEPD)** is a unit of measure used in the oil and gas industry that allows aggregating the produced, scheduled or sold quantities of hydrocarbons from both conventional and unconventional sources over the prior 12 month consecutive months or, where historical data is not available, over the planned or estimated future 12 months. For example, while gas production is generally measured as a volume per time period such as cubic meter per day, it needs to be converted into its equivalent in barrels of oil in order to determine the total quantity of oil & gas produced in consistent measurements. The conversion to BOEPD can be accomplished by using one of the calculators at:

- <http://www.rigzone.com/calculator/default.asp>
- <http://www.bp.com/en/global/corporate/about-bp/energy-economics/statistical-review-of-world-energy/using-the-review/Conversionfactors.html>

For SAP Upstream Contracts Management for O&G and for SAP Upstream Operations Management for O&G:

BOEPD represents hydrocarbons produced. If pricing cannot be based on BOEPD produced (new ventures with no crude or gas production), the planned or estimated production of the venture shall apply.

For SAP Upstream Production Management for O&G, US Production:

BOEPD represents produced only the hydrocarbons produced in the USA.

For SAP Hydrocarbon Supply & Primary Distribution for O&G and SAP Bulk Fuel Management:

BOEPD represents only the scheduled/planned hydrocarbons.

For SAP Secondary Distribution Management for O&G

BOEPD represents only the sold/transported hydrocarbons. For LPG bottled gas the conversion from tons of LPG to barrels is described on the BP calculator <http://www.bp.com/en/global/corporate/about-bp/energy-economics/statistical-review-of-world-energy/using-the-review/Conversionfactors.html> , currently 1 ton of LPG = 11,6 barrels.

For SAP Retail Fuel Network Operations for O&G

BOEPD represents only the sold hydrocarbons.

For SAP Hydrocarbon Management for O&G:

BOEPD represents only the sold hydrocarbons.

Budgets

Public sector spend budgets are the annual budgets as published records of budget year procurement obligations.

Total annual budgets are the total annual public sector budgets of the SAP customer (i.e. agency, institution, program or department) based on current budget period.

Business Partners

Business Partners are natural persons, a group of persons, or a legal entity that has any kind of a business relationship with a company or a public sector agency. The number of Business Partners counted for pricing the solution is limited to the context of the Software being licensed.

For SAP Demand Side Management for Energy Utilities,

Business partners stored in the system that have applied for or enrolled in a Demand Side Management (DSM) program are counted.

REMAINING METRICS - C

Calls

Calls are the number of incoming messages per year.

External service calls are HTTP requests per calendar year which are processed by SAP NetWeaver Gateway Server. Metadata requests and requests from SAP Software that contains SAP NetWeaver Gateway runtime software are not counted.

Capacities

Installed capacities are the designed production capacities of a power plant. For a power plant both the electrical power, as well the thermal power has to be considered. The installed capacity is measured in units of 1 GW (Gigawatt).

Capitals

Risk-provisioning relevant capitals are balance sheet positions of:

- loans and advances to customers and banks; and
- Financial investments at amortized cost

Cases

Inpatient cases are the number of inpatient cases that are communicated to insurers in the period of one year.

Cash Flows

Cash Flows are the total number of cash flow transactions (payment or receipt) processed by the application per day. (Note that for receipts there would usually be two cash flow transactions, i.e. expected receipt and actual receipt).

P/C/S cash flows are loans except retail loans defined as:

- Private Banking / Complex Individual / SME Banking / Mortgages include products with a certain level of personalization on customer level for individuals and small/medium enterprises.
- Corporate loans are highly individualized loans products for the corporate market and can also have a complex structure.
- Securities positions

Retail cash flows are standardized cash flow based loan products for the mass market segment of individuals. The product spectrum covers loans with simple structures and small values for financing consumer products, auto/cars and voyages.

Chips

Chips are individual electronic circuitries containing one or more Cores, usually on a silicon wafer.

Contacts

Contacts are number of unique records of customers, prospects, employees, business partners, and constituents processed within the Software.

Contracts

Contracts are the contracts (used in all functions including procurement, sales, legal, partner management, HR, real estate, and all other functions of the organization.) the company plans to address within the application

For Utility Industry:

Contracts are agreements between a utility company and a business partner to provide services to the business partner. Thereby a separate contract has to be set up for each service provided, for which the utility company has a legal contract with its customer (e.g. a utility company provides a business partner with electricity, area lighting, gas, and district heating, thus four separate contracts have to be set-up). All contracts stored in the system with an ending date later or equal to the system date are taken into consideration.

For the sectors below the following division categories of the SAP Utilities system need to be considered:

- Energy:
 - Electricity
 - Gas

- District heating
- Mutual help
- For all sectors
- Water:
 - Water
 - Waste Water
- Waste & Recycling:
 - Waste Management

For Reserve for Bad Debts for Banking and SAP Accounting for Financial Instruments for Banking:

Contracts are made by a bank with natural persons (retail) or legal persons (commercial). A contract can be e.g. an account, a term deposit, a loan, an OTC-derivative, an FX forward, a money market transaction or a position in exchange-traded instruments. Accounts and loans managed in external systems, included in a master contract, part of a collateral agreement or set-up for tax calculation are to be taken into account.

- Loans are loans or mortgage products
- Accounts are deposits, savings or current accounts (internal accounts to be included)
- Derivatives are financial instruments whose value is based on another security
- Securities transactions are e.g. spot plus forward deals, money marked/foreign exchange transactions, etc.
- For Funding Management for Banking

Contracts are all managed contracts (accounts) resulting from either the retail or the commercial business which are available assets in SAP Funding Management.

Retail: examples are consumer loans, lease items, car loans, credit cards, mortgage loans, or trade receivables.

Commercial: examples are commercial mortgage loans, drawings in a syndicated loan, or other big ticket contracts.

SAP Hybris Billing, subscription order management:

Contracts are an agreement between the customer and the provider for the access to or use of a service provided under certain terms and conditions. One customer could have one or several contracts for different or similar services. In a bundle, every included main service counts as 1 contract. Example in a B2C use case: for a telecoms triple play bundle with mobile, internet broadband and IPTV services, 3 contracts would be counted separately. Example in a B2B use case: with a Master Business Agreement every subscription of a related sub-contract with an employee would be counted separately.

Cores

Cores are the number of cores in CPUs that are available for use by the licensed software. The number of Core licenses must be an integer. When counting physical Cores, each Core of a physical CPU that runs at least parts of the licensed software, including those that are temporarily assigned or scheduled to cover peak processing, is considered and counted.

When counting virtual Core's, each virtual Core that runs at least parts of the licensed software, including those that are temporarily assigned or scheduled to cover peak processing, is counted.

If the licensed Software will run in a pure virtual environment, physical Cores will not be counted. For purposes of clarification, "Core" as defined in this metric definition is different from "core" as referenced in the metric definition for any Software licensed on a CPU basis (if any), and therefore is not applicable in that context.

Costs

Asset retirement obligation cost estimations are the volume of the cost estimations which are handled in the solution.

The cost estimation volume is equal to the total of the settlement values (expected costs at the estimated retirement date) of all cost estimation items of the cost estimation plans of all asset retirement obligations, which are handled by SAP Asset Retirement Obligation Management. If the customer is using more than one accounting principle, the cost estimation volume is calculated separately for every accounting principle. The maximum of these values will be used for pricing. The cost estimation volume is determined based on the volume, which is valid at the fiscal year end date. Only asset retirement obligations, which are active at this date, will be considered.

Costs of goods sold are all expenses directly associated with the production of goods or services the company sells (such as material, labor, overhead, and depreciation) annually. It does not include selling, general and administrative expenses or research & development. If cost of goods sold is unknown then it shall be equal to 70% of total company revenue.

For Service Parts Planning:

Costs of goods sold refers to the inventory value for the service parts business.

CPUs are the central processing units ("CPU") that runs at least parts of the licensed Software.

When the Software or Third Party Software is licensed on a CPU basis, any server or computer on which the Software or Third Party Software is installed may not exceed the aggregate number of CPU licensed. A multi-core chip CPU with N processor cores shall be counted as follows: the first processor core in each processor shall be counted as 1 CPU, and each incremental processor core in

such processor shall be counted as 0.5 CPU, and then the total CPU count will be rounded to the next whole number (the "CPU Calculation"). See Example 1 below for an illustration of the application of this licensing requirement.

Software based on a CPU license metric basis licensed by Licensee on or after July 1, 2009 (the "Qualified Software") will contain Virtualization Rights (defined below). Virtualization Rights are not applied to Software licensed prior to July 1, 2009 or upgrades and updates thereto subsequently made available to Licensee pursuant to Support Services. Licensee may not combine licenses having express Virtualization Rights with licenses not having express Virtualization Right in a single Deployment.

In the event that Licensee employs industry standard tools and methodologies enabling Licensee to logically partition or pool its processing power, Licensee may install the Qualified Software on servers or computers consisting of a number of physical CPUs greater than the number of CPUs licensed hereunder provided that Licensee shall configure such servers or computers in a manner such that the total number of CPUs (or total number of virtual processor cores if virtualization software is implemented), or any portion thereof, made available to run the Qualified Software, or any portion thereof, does not exceed the number of CPUs licensed ("Virtualization Rights"). For the purposes hereof, a CPU (or virtual processor core) shall be deemed available to run the Qualified Software if such CPU (or virtual processor core) or any portion thereof is available to run the Qualified Software at any time for any purpose, including but not limited to permanent, temporary, scheduled, and on-demand availability. Under the Virtualization Rights, where virtualization software is implemented, only virtual processor cores made available to run the Qualified Software will be counted in accordance with the CPU Calculation. See Example 2 below for an illustration of the application of this licensing requirement.

Notwithstanding the foregoing, for Third Party Software licensed on a CPU basis, each processor core shall count as 1 CPU, and every CPU (whether used productively or non-productively) shall count against the CPU license level for such Third Party Software. Virtualization Rights do not apply to Third Party Software.

EXAMPLE 1: One quad core processor will count as 2.5 CPUs (or 1 CPU for the first core, plus 0.5 multiplied by 3 for the subsequent 3 cores) rounding up to 3 CPUs. Therefore, Licensee will be required to license 3 CPUs if the Software is installed on a quad core server. Another example may involve a server with three quad core processors. As illustrated above, each quad core processor will represent 2.5 CPUs. Three quad core processors will total 7.5 CPUs (or 2.5 CPUs multiplied by 3) rounding up to 8 CPUs. Therefore, Licensee will be required to license 8 CPUs if the Software is installed on a server with 3 quad core processors.

EXAMPLE 2 (Virtualization Rights): A server has 16 physical dual core CPUs in a configuration where up to 4 virtual dual core processors are made available to run the Qualified Software. In this case, each virtual dual core processor will count as 1.5 CPUs (or 1 CPU for the first core, plus 0.5 for the second core). Four virtual dual core processors will total 6 CPUs (or 1.5 CPUs multiplied by 4). Therefore, Licensee will be required to license 6 CPUs under this virtualization configuration.

REMAINING METRICS - D

Database Sizes

Gigabyte database sizes are database sizes of the productive systems and are calculated individually for each system (i.e., each ERP, BI and CRM system).

1.5 Terabyte accumulated database sizes are the database sizes of all productive SAP systems where the customer uses SAP Landscape Transformation.

Data Streams

Data Streams are tags or modules that are created and exist in PI System landscape, and used to setup, configure or store data points or data structures.

For SAP Predictive Maintenance and Service on-premise edition,

A data stream is defined as a measuring point /sensor tag defined in the metric store of the PdMS application. Virtual data streams (calculated health scores) are also considered data streams. Data streams without any measurement data are defined as inactive and are not considered as data streams. For each device working with error codes, one additional data stream per device will be added.

Deployments

Deployments are single installations of the system repository component within the SAP BusinessObjects BI Platform Software (for which Licensee must obtain a license), or the Crystal Reports Runtime Engine (for which Licensee must obtain a license). When the multi-tenancy feature of the BI Platform is enabled, each individual tenant is considered a separate deployment for licensing purposes.

Derivatives

Derivatives are financial instruments whose value is based on another security.

Devices

Devices

Devices are any piece of equipment or hardware and include but are not limited to: a workstation, terminal, point of sale terminal, notebook, handheld, tablet, PDA, smartphone, internet connected television, scale devices, devices installed in a vehicle (on-board units) or other networked devices. The application itself defines the type of devices that are used and therefore counted for the price list item (e.g., Sybase SQL Anywhere Database for Use with SAP POS for Retail devices are defined as those devices accessing data from SQL Anywhere Database or e. g. SAP Mobile Order Management devices are all devices installed as on-board units in a vehicle).

IoT-Device refers to a uniquely identifiable object and their virtual representation in the IoT-Core and has a device ID allocated.

IT devices are elements that are actively recognized by the SAP IT Infrastructure Management Software in the network or entered into the SAP IT Infrastructure Management configuration database.

Hybris devices are equipment or hardware in use by the Named Users to access data from the Hybris Commerce platform. A Hybris device can be defined as any piece of equipment or hardware; and includes, but is not limited to: a workstation, terminal, point of sale terminal, notebook, handheld, tablet, internet connected television or other networked device (for example store employees using a device – tablet, phone, workstation – to access web content to answer customer question). Hybris devices would not include equipment or hardware used by End Customer to access Hybris commerce platform with limited access (for example customer placing online orders / accessing payment gateway and accessing catalogues on Hybris commerce platform).

For SAP Customer Checkouts,

Devices are devices, or mobile devices for mobile point of sales applications or mobile devices for merchandise applications or scale devices for scale applications.

REMAINING METRICS - E

Employees

Employees are individuals, working for a company or legal entity that is licensing the functionality of the package as well as individuals working for their Affiliates regardless of employment status (e.g. part time, full time, leave of absence or contract worker).

For SAP Pension Administration (VADM) Germany Only

Employees are individuals who get their pension payment as pension recipients, who are surviving dependents, or who are entitled to a pension equalization payment by the component Pension Administration.

Employee files

Employee files are employee (employees and former employees) folders containing their electronic files.

Enterprise Foundation

SAP ERP Foundation Starter comprises SAP ERP and five (5) SAP Professional Users.

Full-Time Equivalents

Full-time equivalents (FTE) are employees who are employed by the licensed organization and non-employees who may be engaged on emergency related activities, either on a temporary or permanent basis and who are tasked, deployed or managed by the licensed organization for the purposes of disaster or emergency management.

For DHPS HR and Logistics,

FTE is the numbers of full time equivalents employed in the organization – including military and civilian personnel & reserve are calculated as

- For SAP Force Generation for Defense & Security:
Weighted Size = Military Personnel x 1.0 + Reserve x 0.5 + Civilian x 0.5
- For SAP Force Deployment for Defense & Security:
Weighted Size = Military Personnel x 1.0 + Reserve x 1.0 (civilians are not considered)

External Community Members

External community members are either non-employees of organizations such as schools, universities, charities or governmental entities or business third parties including, but not limited to, customers, employees of distributors and suppliers who are licensed to access solely the SAP Enterprise Portal software. External Community Members are not allowed to access other SAP software and

their respective components. Business third party employees participating in collaborative business scenarios that require access beyond SAP Enterprise Portal software need to be licensed as Named Users for the respective SAP software

REMAINING METRICS - F

Filings

Filings are the activities when one Legal Entity Uses the Software to submit an unlimited number of applications, filings, statements, returns, notices, reports, exemption or such other documents to a single Governmental Entity in each calendar year. Submission of any filing by more than one Legal Entity to the same Governmental Entity or by one Legal Entity to multiple Governmental Entities shall require additional Filing licenses.

- "Government Entity" means any federal, state, foreign governmental entity, securities authorities, agency, commission, other regulatory, self-regulatory or enforcement authorities or any courts, administrative agencies or commissions or other governmental authorities or instrumentalities.
- "Legal Entity" means any individual, person, partnership, joint venture, corporation, company or other form of enterprise, domestic or foreign.

Flat Fee

Flat fee is the fixed package license fee for the software.

Annual Fundraising Income means the annual amount of gross revenue raised by Licensee through fundraising efforts.

REMAINING METRICS - G

Gigabytes

Gigabytes (GB) refer to the storage capacity equivalent to 1024³ bytes.

REMAINING METRICS - H

REMAINING METRICS - I

Installations

Installations are instances of the software installed at a designated device.

For SAP Fortify by HP, Installations is defined as a single deployable unit of software code consisting of a collection of source code, byte code or object code that delivers some or all of the functionality of a business application.

Instances

Instances are unique connections to a single specified application or technology type.

LVM instances are the primary application servers used for central application services of the managed SAP application, including the enqueue and message services (e.g. the central instance), any SAP Web AS instances associated with the managed SAP application that is not the central instance (e.g. dialog instances), the primary database of the managed SAP application (e.g. database instance), or any occurrences of TREX or LiveCache associated with the managed SAP application. In cases where multi-node databases (e.g. RAC, DPS, HANA, etc.) are managed by LVM, all nodes are counted, however shadow databases are not counted toward the licensing.

- For the copy/clone/refresh option, only the primary system database of the source systems is counted. In cases where multiple databases are configured for the managed systems (e.g. shadow DB, DB cluster, LiveCache, etc.), then only one database is counted, regardless of which ones or how many are configured.
- For third-party (e.g. non-SAP applications) and custom developed applications the entire application is defined as a single LVM instance in SAP NetWeaver Landscape Virtualization Management, regardless of the software architecture for that application.

Invoices

Invoices are items that flow through the cockpit for reconciliation per year.

Items

Items represent entities tracked in the Software.

For Extended Warehouse Management,

Items represent average number of outbound and inbound delivery items tracked per day. Items are counted as the number of individual SKU's and not the sum of quantity of each SKU processed by the system. e.g., Product 1 – SKU A and SKU B (example, different colors of the same product)
Product 2 – SKU C.

For example, if there were 10 items of SKU A, 5 of SKU B and 100 of SKU C coming into a warehouse, they would be counted as 3 items.

For Track and Trace,

Items represent entities being configured, shipped-and-received, or tracked in the system on a yearly basis.

For SAP CRM Solutions Sales Configuration solutions,

Items represent number of SAP CRM quotation that have been generated using the solution.

REMAINING METRICS - J

REMAINING METRICS - K

REMAINING METRICS - L

Languages

Languages designate any language used for creating and displaying product content, web content and customer facing data. Back-office cockpits available in multiple languages do not constitute the need for an additional language.

Learners

Learners are individuals accessing the application and engaging in any learning services being processed by the application.

External learners are learners (non-customer employees) booking at least one course in a year.

Licenses

Concurrent access licenses are the aggregated numbers of end users accessing the licensed Software at any one time. The number of users accessing the licensing Software may not exceed the number of Concurrent Access Licenses (CALs) the customer has obtained. CAL(s) are assigned to a particular Deployment, and may not be shared among different Deployments. When using Concurrent Access licenses, customer may not utilize a program or system to cache or queue report requests.

Important note: This pricing metric is only available through BusinessObjects Value Added Resellers.

Limit Sets

Limit sets are the total number of limits set in the system.

Loadrunner

Loadrunner, controllers are the central point for load test designs and load test executions.

Locations

Location is to be defined as a single Foreign Trade Zone or sub-zone set up in the GTS system with a unique Zone ID.

Base & remote locations are central warehouses or distribution centers from which the remote locations are supplied with spare parts and materials. Offshore facilities (e.g. platforms) or remote on-shore facilities are examples for remote locations in the Oil & Gas industry. Mines or processing centres are examples for remote locations in the mining industry.

REMAINING METRICS - M

Mainframe

Mainframe Bases are physical mainframe machines where each machine is referred to and identified as a unique serial number.

Memories

Blade memories is the memory size of the blade.

Gigabytes of memories are the total amount of memory that may be used by the HANA Software, as measured in gigabytes.

Message Volumes

Message volumes (MB) / month / installation are the data volumes in megabyte of conversions performed per month and per installation.

REMAINING METRICS - N

Net Property Plant & Equipment's

Net property plant & equipment's are the values of the total properties, plants and equipment's as disclosed in the balance sheet insofar as processed by the SAP solution on a yearly base.

Nodes

Nodes are servers or virtual machines running the SAP Vora or Hortonworks Data Platform.

- A server is a single piece of hardware that runs the software. A hardware partition or blade is considered a separate hardware system.
- A virtual machine is a software container that can run its own operating system and execute applications like a single physical machine.

REMAINING METRICS - O

Database objects are collections of intrinsic and/or customer-defined properties that are defined by a Palantir dynamic ontology and stored in or accessible by the Palantir system. "Objects represent entities (people, places, and things), events, and documents".

- Properties represent features or characteristics of objects. Different types of objects have different types of properties. For example, a person object might have an eye colour property and an event object might have a date property.

- Intrinsic properties are attributes that are inherent in objects and, unlike other object properties; you cannot add or remove them. For example, entities contain the intrinsic property Title, and events and documents contain the intrinsic properties Title, Date Begin, and Date End. You can see and change an object's intrinsic properties, and correlate them to data sources by using the Basic Info panel in the Browser's Properties view in Palantir Workspace.

Master data objects are master data objects stored in the SAP NetWeaver Master Data Management system and/or SAP Master Data Governance System.

- *For SAP Enterprise Master Data Management:* Master data objects are all master data objects stored in the SAP NetWeaver Master Data Management system, plus the total number of all master data objects stored in the SAP Master Data Governance system.
- *For SAP Master Data Governance, Financials:* Master data objects are the sum of financial objects (including, but not limited to, group accounts, operational accounts, cost elements, companies, profit centers and, cost centers with hierarchy nodes, consolidation groups and units, financial statement items) stored in the SAP Master Data Governance system. For avoidance of doubt, the financial accounts are only counted once, even if the accounts are used in multiple charts of accounts or financial statement versions. For example, if the company is reporting externally in US GAAP as well as IAS, each account is only counted once, not twice.
- *For SAP Master Data Governance, Supplier:* Master data objects are active supplier objects (vendors) stored in the SAP Master Data Governance system.
- *For SAP Master Data Governance, Customers:* Master data objects are active B2B customer objects stored in the SAP Master Data Governance system. Licensee may Use SAP Master Data Governance, Customers to store additional business partners if the partners represent B2B customers. Licensee may not Use SAP Master Data Governance, Customers to store additional business partners if the partners represent B2C customers.
- *For SAP Master Data Governance, Consumers:* Master data objects are active consumer type customer objects stored in the SAP Master Data Governance system. A consumer is a natural person or a group of persons (e.g. household) that has any kind of business relationship with a company, including, but not limited to, B2C customers, B2C contacts, and citizens. Licensee may Use SAP Master Data Governance, Consumers to store additional business partners if the partners represent B2C consumers. Licensee may not Use SAP Master Data Governance, Consumers to store additional business partners if the partners represent B2B customers.
- *For SAP Master Data Governance, Product:* Master data objects are active material objects (materials, products) stored in the SAP Master Data Governance system. Licensee may not Use SAP Master Data Governance, Product to store articles.
- *For SAP Master Data Governance, Custom:* Master data objects are master data objects stored in custom-build "Master Data Governance" systems that are not of type financials, suppliers, customers or materials. This is the sum of all user defined object of type things (articles, contract, location, asset, equipment, contract, etc.). A user defined object is created using the Master Data Governance framework.
- *For SAP Master Data Governance, enterprise asset management ext by Utopia:* Master data objects are master data objects stored in SAP EAM. This is the sum of all equipment and functional locations and MRO bill-of-materials.
- *For SAP NetWeaver Master Data Management, business partner data:* Master data objects are business partner type objects stored in the SAP NetWeaver Master Data Management system. This is the sum of all supplier objects, as well as any user defined object of type business partner (vendor, B2B customer, B2B contact, employee, business partner, etc.). User defined objects are created using the MDM tool for management within the MDM repository. A Business Partner is a natural person within an organization, a group of persons within an organization, or an organization itself that has any kind of a business relationship with a company.
- *For SAP NetWeaver Master Data Management, consumer data:* Master data objects are consumer type objects stored in the SAP NetWeaver Master Data Management system. This is the sum of all B2C customer, B2C contact, citizen objects, plus the total number of any additional consumer type user defined object. User defined objects are created using the MDM tool for management within the MDM repository. A consumer is a natural person or a group of persons (e.g. household) that has any kind of business relationship with a company.
- *For SAP NetWeaver Master Data Management, product and other data:* Master data objects are master data objects stored in the SAP NetWeaver Master Data Management system that are not of type financials, or business partner. This is the sum of all material objects, as well as any user defined object of type things (product, article, contract, location, asset, etc.). User defined objects are created using the MDM tool for management within the MDM repository.
- *For SAP NetWeaver Master Data Management, printing and PCM:* Master data objects are products stored in the product data cache.
- *For SAP NetWeaver Master Data Management, global data synchronization:* Master data objects are products stored in the product data cache.

Orders

Orders are externally created sales and service or purchase orders processed on a yearly base.

Externally created orders are those orders that are not entered by an Employee of the Licensee r.

Fleet planning orders for Waste and Recycling are the number of orders processed by a service planner. The number of fleet planning orders per year is calculated as the sum of all Utilities contracts (Waste and Recycling) plus every block of 10 Waste orders in that year.

Waste orders are the sum of all orders in Waste and Recycling per year that are not invoiced by the SAP Bill-To-Cash Management solution (they are processed in another billing solution such as Sales & Distribution) plus the number of direct delivery weighing notes per year.

Outpatient Days

Outpatient days is the sum of the days in which patients have been treated as outpatients in a one year period. One outpatient day is counted when one patient is treated as an outpatient in one calendar day, independently of the quantity of work done on that day

and on how the work was documented in the SAP system (in one or more outpatient cases, and, within cases, as one or more visit movements).

REMAINING METRICS - P

Packages

Decision service asset packages are collections of 25 rules and expressions (excluding constants as an expression).

Page Views

Page Views are the total cumulative number of: (1) single views of a mobile or browser application, or web page of an internet site, via screen views, screen states, mobile web pages, web stores, the Software In-Store module, or Contact Center module, for which the Hybris Commerce Suite provides data over a 12 month period and (2) JSP page requests, Ajax requests, REST service requests, SOAP service requests, or other application server requests through the Software.

Parcels

Parcels of land are units of land managed by the Software.

Patients

Patient care days are the relevant number of patient care days reached by the Licensee in a calendar year is the corresponding statistic according to the annual H+ member directory "H+ Die Spitäler der Schweiz".

Patients treated are those treated in one calendar year in the institutions supported by the SAP system. Patients are only counted once, no matter how many times they are treated in the hospital within the year.

Payments

Payment items are single payment transaction within a payment order. A payment order can have one ordering party item and multiple recipient party items.

Plants

Plants are physical sites owned by or operated by an enterprise supported by the Software.

For the purpose of determining the size and usage scenario of plants the following definitions apply:

- **Small plants** are plants with up to 500 employees. Employees per plant are all employees and contractors working in the plant.
- **Midsized plants** are plants with 501 up to 5.000 employees. Employees per plant are all employees and contractors working in the plant.
- **Large plants** are plants with more than 5.000 employees. Employees per plant are all employees and contractors working in the plant.
- *For SAP Operations Management for Mining:* Plants are mines, concentrators, processing plants, smelters, refineries, distribution centres (stockpiles) and ports. Employees include own employees in the operations, contractors, administration and maintenance staff.
- *For SAP Product Structure Synchronization:* Every outsourced manufacturing plant will be considered as small plant. An outsourced manufacturing plant is a physical site owned or operated by a supplier or partner who is part of the engineering to manufacturing scenario supported by Product Structure Synchronization.

Points of Delivery

Points of delivery are the points of delivery (PoDs) at which a utility service is supplied or determined. When a utility installation is created in SAP's Utilities system, a unique PoD is automatically generated. All PoDs in the system are counted where a device or device info record is assigned to SAP's Utilities installation with an ending date later or equal to the system date; technical and virtual PoDs are not considered.

For the sectors below the following division categories of the SAP Utilities system need to be considered:

- Energy:
 - Electricity
 - Gas
 - District heating
 - Mutual help
 - For all sectors
- Electricity:
 - Electricity
- Gas:
 - Gas
- Water:
 - Water
 - Waste Water
- Utilities or no division named:
 - Electricity
 - Gas
 - District heating

- Water
- Waste Water
- Waste Management
- Mutual help
- For all sectors

For SAP Advanced Metering Infrastructure for Energy and for SAP Advanced Metering Infrastructure for Energy Water Utilities:

Points of delivery, advanced meter are the points of delivery (PoDs) at which a utility service is supplied or determined. When a utility installation is created in SAP's Utilities system, a unique PoD is automatically generated. All PoDs in the system are counted where an active, advanced meter is assigned to SAP's Utilities installation with an ending date later or equal to the system date; technical and virtual PoDs are not considered.

For the sectors below the following Division Categories of the SAP Utilities system need to be considered:

- Energy:
 - Electricity
 - Gas
 - District heating
 - Mutual help
 - For all sectors
- Water:
 - Water
 - Waste Water

Portfolios

Sales portfolios are the annual energy sales and procurement portfolios of a utility company. The sales portfolio is measured in units of 1 TWh (Terawatt hour).

Premiums

Premiums of the insurance company, which uses the product, is the total gross premiums as disclosed in the latest annual statement of the insurance company in a fiscal year. If the customer does not disclose a comprehensive annual statement, the customer will report on an annual basis the respective information to SAP.

If the customer does not disclose the information publicly, he has to deliver and explain it to SAP

If the product shall be licensed only for a subdivision of the insurance company the respective license contract requires an explicit definition.

For Reinsurance Management Solutions (SAP ReIns Management Foundation for Insurance and SAP Reins Risk Manager); Premiums reflect the "Ceded Premiums" in case of passive and "Assumed Premiums" in case of active Re-Insurance Business. In case the licensee uses the solution for Ceded AND Assumed business the sum of both shall apply.

Prices

Contract price is the net value of the license contract. Contract price for partners is defined as the amount the Partner has to pay for SAP and Third Party Software to SAP. So, the Contract price for Partners is calculated based on the price recommended by manufacturer minus all partner discounts.

Products

Products are the annual total of number of vehicles and finished goods (for VMS/DBM) or Vehicles and Parts (for sequenced manufacturing) in the context of Automotive Solutions.

REMAINING METRICS - R

Recipients

Recipients are individuals receiving reports from the licensed Software.

Records

Records are the average number of items managed by the application over the prior 12 months.

SAP NetWeaver records are leading SAP business objects and/or cases in SAP NetWeaver Folders Management. Archived Records (records attached to archived business objects) are not counted. A leading object is the object the record refers to.

When SAP NetWeaver Folders Management is used to manage employee files, employees managed in the SAP HCM system are the leading object to be counted. When it is used for billing, creditors and debtors are the leading objects to be counted. When it is used in SAP Real Estate Management, real estate objects (including but not limited to real estate contracts, business entities, buildings, pieces of land, rental objects architectural objects, and parcels of land) are the leading objects to be counted. When it is used to manage changes of equipment by utilizing cases, the number of change requests is counted.

Master records are one contractual relationship between the company and an employee whose payroll is being calculated.

For SAP Financial Database for Banking, SAP Credit Risk Management for Banking, SAP Regulatory Reporting by iBS, SAP Performance Management for Banking:

Records represent for the number of financial products (such as loans or deposits) including over the counter products, and standardized exchange traded securities (e.g. shares, listed options, bonds). This is also true when processing takes place on aggregated level.

For SAP Convergent Pricing Simulation:

Records are the number of transactions stored in HANA and accessible to the application for the purpose of usage in simulations, as averaged over the prior 12 months. A transaction represents any digital document capturing a service consumption event that can potentially be priced or monetized during a typical pricing process.

Resources

Resources are unique individuals or non-human resources (system, equipment, tool, instrument, machine, vehicle, room, regulatory or government agency/body, industry standard, framework, and/or corporate policy, etc.) that are managed by or within the Software.

Revenue

Revenues are the annual incomes that a company receives from its normal business activities and other revenues from interests, dividends, royalties or other sources. Revenue exclude indirect taxes such as VAT, Excise Duty or any similar sales related taxes.

- *For Public Sector,*
"Revenues" are the same as "Total Annual Budgets"
- *For Insurance*
"Revenue" are the same as "Premiums"
- *For SAP Account & Trade Promotion Management,*
SAP Trade Promotion Optimization and SAP Dairy Solution by msg. Only the revenues need to be considered associated with the business or division, which the capabilities of this package will be applied against.
For SAP Electronic Invoicing for Brazil (NFE)
Only the revenues generated by the company or legal entity located in Brazil need to be considered.
- *For SAP Tax Declaration Framework*
Only the revenues generated in Brazil are relevant.
- *For SAP Hybris branded products*
Revenue is the calculation of Licensee's and its Affiliates total annual sales revenue for products or services that can be purchased through the Hybris platforms (including Hybris powered websites and other Hybris powered channels such as web stores, mobile, In-Store module, Contact Center module, etc.) by customers (B2B and B2C) in each trailing 12 month period, less VAT, delivery and any returns.
- *For SAP Configure, Price, and Quote (SAP CPQ)*
Revenues are the calculation of Licensee's and its Affiliates total annual sales revenues for products or services, which were generated using the SAP CPQ software less VAT, delivery and any returns.
- *For SAP Product Lifecycle Costing*
Only the revenues of the business or division which use SAP Product Lifecycle Costing need to be considered

Revenues and Expenses

Revenues and Expenses is the sum of annual revenues received and annual expenses paid (commissions, royalties, revenue shares etc.) processed within the Software.

Revenues is the sum of annual monetary amounts invoiced by Customer and its Affiliates to third parties for services provided (or to be provided) by Customer and/or its Affiliates to such third parties and processed through the SAP solution. "Expenses" is the sum of budgeted annual expenses (commissions, royalties, revenue shares etc.) for services performed (or to be performed) by Customer or its Affiliates for Customer's and/or its Affiliates own organization(s) that are processed through the SAP solution.

For SAP Intellectual Property Management (SAP IPM):

Revenues and Expenses is the sum of the annual revenues received and annual expenses paid (license fees, royalties, revenue share, etc.) in the context of the software. Revenues and expenses include financial validation for deals, which is implemented in SAP IPM but does not result in an incoming payment e.g. barter deal.

For CPM and PPM:

Revenues and Expenses is related to the projects managed within the software and is defined as:

- Revenues: the sum of annual revenues received for revenue-generating external projects
- Expenses: the sum of budgeted annual expenses for internal projects.

REMAINING METRICS - S

Scenarios

Scenarios are used in SAP Process Performance Management by Software AG based on SAP Solution Maps. Details on SAP Solution Maps can be found in sap.com: <http://www.sap.com/solutions/businessmaps/index.epx>

Servers

Process servers are defined as each server (real or virtual) where automated tasks are to be managed. A process server is required for every single connected application, server or operating system (OS) instance (virtual or physical) with a unique identification on which processes are executed that need to be monitored, managed and controlled. For each process server purchased the customer is provided with 1 production and 3 non-production environments (i.e. 1 for fail-over for the production instance, 1 for development and 1 for test).

Servers are physical computers, cases, boxes or blades that house the CPUs running the software product. Multiple virtual machines on the same physical box are allowed and do not require additional licenses.

Service Units are published mainframe capacity ratings (MSU ratings). For up-to-date MSU ratings please refer to the relevant vendor websites.

Sessions

Concurrent sessions are the aggregated numbers of sessions accessing the licensed Software at any one time. A session refers to the time between logon and logoff or time out where a unique user, application or platform accesses the licensed Software either directly or indirectly via the custom application. The number of sessions accessing each Deployment must be limited by corresponding license key mechanisms. The maximum number of sessions enabled on a Deployment by such limitations may not exceed the Licensed Level for the number of Concurrent Sessions assigned to that Deployment for such licensed Software product. The aggregate number of licensed sessions enabled on all Deployments may not exceed the Licensed Level of Concurrent Sessions. There is no license limit on number of processors or servers used. Licensee may not utilize any program or system to cache or queue report requests. SAP BusinessObjects BI users accessing any Deployment using a Concurrent Session license may be entered into the SAP NetWeaver BW system for the purposes of maintaining security.

Spends

Spend volumes are the company's annual expenditures for the procurement of all direct and indirect goods and services. In case of Public Sector entities Public Sector Spend Budgets may be used instead. Public sector spend budget is the figure, published annually, that documents an organization's procurement budget for all direct and indirect goods and services.

- For SAP Electronic Invoicing for Brazil (NFE-Inbound), only Spend Volumes in Brazil are to be considered.

Freight Spend is the annual freight costs incurred in transporting products; i.e., all the transportation costs, including labor, involved in moving goods to and from a plant/distribution center/warehouse, including payments to logistics companies for their services and any cost incurred by a company for the use and maintenance of its own fleet of vehicles.

Stores

Stores are individual operational units of a customer (typically operated by retailers).

Students

Students are defined as:

- full-time registered students e.g. students who are registered for a full course load for the current academic year at the institution and/or
- equivalents of full-time registered students (for example, a part-time student could represent a fraction of a full-time student).

Subscriptions

Annual subscriptions are periodic recurring fees that are payable every calendar or fiscal year for the right to use software or services during that calendar or fiscal year. This fee is payable each calendar or fiscal year whether or not the software or service has been used during that year.

Systems

Connected systems are productive SAP Solution Manager systems connected to the productive systems of SAP Quality Center by HP, Central Process Scheduling by Redwood, or SAP Productivity Pak by ANCILE.

Decommissioned systems are systems that are retired using SAP NetWeaver Information Lifecycle Management.

REMAINING METRICS - T

Terabytes

Terabytes are the amount of data stored in terabytes in the main database of Sybase IQ Server in whole numbers (fractions must be rounded up). If the Very Large Database Management option is licensed, it must be licensed to match the size of the entire main database of the Sybase IQ Server.

Testers

For SAP Test Acceleration and Optimization (SAP TAO): Testers are employees using SAP TAO and testing SAP applications enterprise-wide.

Tickets

Event Tickets are entrance tickets to an event sold for a price > 0 using the SAP Event Ticketing software and stored in the SAP Event Ticketing database, independent of whether the ticket is printed or dispatched to the customer differently (e.g. electronically), and independent of whether the ticket is being used or not. This does specifically exclude tickets that are given away for free, e.g. complimentary tickets.

Tonnage

Tonnage produced are tonnage produced on one day.

Transactions

Hybris Billing, charging,

Transactions are defined as pricing outputs where one input can generate one or several pricing outputs. Transactions are counted as those on the peak load day as measured within the prior 12 months.

For SAP Hybris Billing, mediation by DigitalRoute and SAP Hybris Billing, service control by DigitalRoute:

Transactions are the smallest individual events processed by the application. Examples: When processing data sets each datum is counted. When managing sessions each start/interim/stop event is counted. Transactions are counted as those on the peak load day as measured within the prior 12 months.

For SAP Accounting for Financial Instruments:

Transactions represent the number of transactions related to exchange-traded securities (e.g. shares, bonds, futures, options, warrants) and sub-ledger postings (imported sub-ledger documents) over a period of prior 12 consecutive months.

For SAP Fraud Management for Banking:

Transactions represent the movement of money/funds between a Bank and another Financial Institution or between a Bank and a Customer. Transactions considered are the number of transactions stored in a SAP system in a timeframe of 12 consecutive months. Transactions are e.g. Payment transactions, Credit/debit card transactions, Loans disbursements and payments, Securities (bonds, shares etc.), sell and/or buy transactions.

For SAP Document Presentment by OpenText and SAP Document Presentment by OpenText, add-on for business correspond:

Transactions are single instances of a business document that is created, processed, printed or manipulated in some way by the products (e.g. letter, email, PDF, fax, SMS).

For SAP Digital Content Processing by OpenText

Transactions are single instances of a content process/workflow that is captured and/or processed by the Software.

REMAINING METRICS - U

Units

Rental units are rental objects that are managed with SAP Real Estate Management.

Users

Users are individuals who Use the Software. A "User" included in the Metric count cannot be assigned to more than one individual.

- *For Collaborative Product Development:* Users represent the number of individuals that are creating / updating engineering records, utilizing functions like recipe development, business context viewer, and status and action management functionality
- *For SAP Contact Center, e-Channel:* Users represent agents and/or supervisors who work in a contact center environment and handle incoming contacts through multiple communication e-channels (like email, chat, SMS and fax) and/or use supervisor tools to supervise contact center agents with e-channel user capability.
- *For SAP Contact Center, voice channel:* Users represent agents who work in a contact center environment and handle incoming contacts through voice channel and office telephony only or handle outbound campaign calls only. In addition, each port in Interactive Voice Recognition system is also considered a user and should be counted as additional users.
- *For SAP Real Estate Management:* Users are individuals who manage office, retail and industrial properties and similar portfolios. It is applied for both, owned and operated space, and includes commercial as well as corporate real estate management.
- *For SAP Business Intelligence (BI):* There is no license limit on how many individuals are working concurrently with the Software. There is no license limit on number of processors or servers used. Named Users are identified at logon and do not consume a Concurrent Session license. Concurrent Session licenses and Users can be purchased in combination for a Deployment. Licensee may not utilize any program or system to cache or queue report requests. SAP BI users may be entered into the SAP NetWeaver BW system for the purposes of maintaining security. This metric does not replace the overall SAP Named User licensing requirement.
- *For SAP Identity Management and SAP Single Sign-On:* Users are individuals whose credentials and/or user information is managed by the functionality of the licensed Software.
- *For SAP Application Visualization by iRise*
Users are authors who can create/edit a visualization using SAP Application Visualization by iRise and the add-on for general SAP solutions (if applicable).
- *For SAP Digital Asset Management by OpenText, limited access option*
Users are limited to search, browse, view and download assets.
- *For Capital Markets Treasury by Calypso and SAP Capital Markets Trading by Calypso,*
Users are defined as employees who engage in capital markets trades and activities and use functionality provided by the item.

Active users are individuals that perform transactions Using the Software in a given calendar quarter. If the active user is a consumer (i.e. an individual performing transactions solely on his or her own behalf as an individual, and not in conjunction with his or her employment and/or on behalf of any other individual(s) and/or entity(ies)), the additional requirement of an SAP Named User license is waived.

Application Users are licensed SAP Mobile Platform Users accessing a single Application, where "Application" is a set of related functionality developed by an SAP Mobile Platform Developer User using SAP Mobile Platform.

Licensed users are individuals licensed as one of the SAP Named User types

- *For ERP, localization Extensions for Republic of Belarus by EPAM package:* Licensed Users - are all individuals licensed as one of the following SAP Named User: SAP Professional User, SAP Employee User, SAP Project User, SAP Worker User, SAP Logistics User.
- *SAP ERP HCM, localization extension for Republic of Belarus by IBA:* Licensed Users - are all individuals licensed as one of the following SAP Named User: SAP Professional User, SAP Employee User, SAP Employee Self-Service User, SAP Employee Self-Service Core User, SAP Manager Self-Service User

Users, monitored are employees, contract workers or other individuals whose credentials, permissions, privileges and/or other user information will be monitored, protected or evaluated by the Software, or are authorized to use the reporting console.

Portal users are licensed users with access to a particular deployment of the SAP Portal, including SAP Professional Users, Employee Self-Service/Manager Self-Service Users, and External Community Members.

Virtual users are users simulated in the software to test the load on the SAP system.

REMAINING METRICS - V

Values

SAP Application Value (SAV) is the sum of list prices for Named Users, External Community Members, (pan-industry and industry specific) Software Engines and Supplementary Products, excluding those items identified in the list of prices and conditions that do not contribute to the SAP Application Value.

HANA SAP Application Value (HSAV) is the sum of prices for licensed SAP Software and Third Party Software, excluding those SAP Software and Third Party Software identified in the list of prices and conditions that do not contribute to the HANA SAP Application Value. For the purposes of this definition, "price" can refer to

1) Existing installed base

"Price" is defined as the net value for previously licensed HSAV relevant SAP and Third Party Software. The net value of the SAP and Third Party Software is derived from the applicable software contract(s) for the HSAV relevant SAP Software and Third Party Software as follows: The net value for previously licensed HSAV relevant SAP and Third Party Software will be calculated based on the respective list price less volume discounts less (in case) special discounts. For clarification purposes: However, any migration discount or credit e.g. will not be deducted from the list price.

2) Net New & Subsequent Purchases

"Price" is defined as the list price for HSAV relevant Software and Third Party Software licensed in the current Order Form. In this case the calculated HANA Limited Runtime Edition fee will be discounted by the average deal discount of the current order form for internal recalculation purposes. The HANA Limited Runtime Edition fee is not further discountable after applying the average deal discount. SAP HANA products still are non-discountable.

REMAINING METRICS - W

Web or Internet Presences

Web or Internet Presences designate a target group specific reproduction of content on the internet that is distinct in terms of language, product range, graphical layout or domains from other internet presences in the SAP Hybris system. Content that has been personalized for individual users (e.g. prices and recommendations) does not constitute a separate internet presence.

Weights

Weights are defined as tons per year.

For SAP Commodity Sales & Procurement for oil, oil equivalent and gas,
Weights are Barrels of Oil-Equivalent per Day (BOEPD).

For SAP Commodity Sales & Procurement for silver and SAP Commodity Sales & Procurement for precious metals except silver,
Weights are ounces per year.

The following commodities are comprised by:

- SAP Agricultural Contract Management for wheat, corn, rice and sugar cane:
Wheat, corn, rice and sugar cane
- SAP Agricultural Contract Management for oats, barley, rye, potatoes, cassava and soybean:
Oats, barley, rye, potatoes, cassava and soybean
- SAP Agricultural Contract Management for canola, cotton and juices:
Canola (= commercial rapeseeds), live cattle, feeder cattle, lean hogs, pork bellies, CME milk, butter, fruits and vegetables, cotton, jute, orange and apple juice, sugar, lumber, tobacco, rubber
- SAP Agricultural Contract Management for coffee, tea and cocoa:
Coffee, tea and cocoa
- SAP Agricultural Contract Management for production seeds of soybean and rice:
Soybean and rice
- SAP Agricultural Contract Management for production seeds of sugar beet, corn and cotton:
Sugar beet, corn and cotton
- SAP Agricultural Contract Management for production seeds of canola:
Canola
- SAP Commodity Sales & Procurement for iron ore, steel and coal:
Iron Ore, steel, coal
- SAP Commodity Sales & Procurement for oil, oil equivalent and gas:
Crude oil, natural gas, natural gas liquids (NGL), ethanol, gasoline, jet fuel/kerosene and heating oil
- SAP Commodity Sales & Procurement for base metals, cereals and sugar:

Tungsten, molybdenum, tantalum, magnesium, cobalt, bismuth, cadmium, titanium, zirconium, antimony, manganese, beryllium, chromium, germanium, vanadium, gallium, hafnium, indium, niobium, rhenium, thallium, uranium, pulp, paper, wheat, corn, rice and sugarcane

- SAP Commodity Sales & Procurement for alu, grains and other major crop:
Aluminum, oats, barley, rye, potatoes, cassava and soybeans
- SAP Commodity Sales & Procurement for non-ferrous base metals:
Copper, lead and zinc
- SAP Commodity Sales & Procurement for oilseeds, meat and dairy
Rapeseed, canola, sunflower seed, peanuts, oils & fats, oil meal, live cattle, feeder cattle, lean hogs, pork bellies, CME milk, butter, fruits & vegetables, cotton, jute, orange juice, apple juice concentrate, sugar, lumber, tobacco and rubber
- SAP Commodity Sales & Procurement for tin, nickel, coffee, cocoa and tea:
Tin, nickel, cocoa, coffee and tea
- SAP Commodity Sales & Procurement for silver:
Silver
- SAP Commodity Sales & Procurement for precious metals except silver:
Gold, platinum, palladium, ruthenium, rhodium, osmium and iridium

REMAINING METRICS - X

None listed.

REMAINING METRICS - Y

None listed.

REMAINING METRICS - Z

None listed.

Exhibit 3 - Package Restrictions

1 **SAP Business Suite and Enterprise Foundation**

1.1 **Embedded Analytics**

Where Licensee holds a valid Package License for any of the below Package(s), such Package License shall include the right for individuals licensed as SAP Professional or Limited Professional Users under the Software Agreement to (i) view, interact and refresh Crystal Reports, Dashboards content and Lumira storyboards embedded with such licensed Package(s) and (ii) Use the SAP BI Platform and/or Lumira Server for BI Platform, as delivered with such licensed Package(s), solely to enable the viewing, interacting and refreshing of the Crystal Reports, Dashboards and Lumira storyboards content embedded with such licensed Package(s) (collectively "Embedded Analytics Limited Use Right"). For avoidance of doubt, any other Use of the licensed Package(s) shall require an SAP Named User license, and any other Use of the Crystal Reports, Dashboards, BI Platform or Lumira Server for BI Platform shall require a full use license for such Software.

Packages That Include Embedded Analytics Limited Use Right:

- SAP ERP
- SAP SCM
- SAP Transportation Management
- SAP Extended Warehouse Management
- SAP SRM
- SAP CRM
- SAP Environment, Health and Safety
- SAP Manufacturing Integration and Intelligence

- SAP hybris Marketing

Licensee may additionally download, install and use the Crystal Reports Viewer for SAP Business Suite Applications to display lists from ABAP List Viewer ("ALV") as SAP Crystal Reports at no added cost under the terms and conditions applicable to SAP Business Suite applications.

1.1.1 **Embedded SAP BusinessObjects Design Studio**

Where Licensee holds a valid Package License for any of the below Package(s), such Package License shall include the right for individuals to view, interact and refresh **SAP BusinessObjects** Design Studio content embedded with such licensed Package(s). For avoidance of doubt, any other Use of **SAP BusinessObjects** Design Studio shall require a full use license for such Software.

Packages That Include Embedded Design Studio:

- SAP Cash Management powered by SAP HANA.

1.1.2 **Embedded BI Suite**

Where Licensee holds a valid Package License for any of the below Package(s), such Package License shall include the right for individuals to view, interact, refresh and modify the content embedded with such licensed Package(s). For avoidance of doubt, the Licensee has to acquire a full use license for such Software for any other Use of BI Suite.

Packages That Include Embedded BI Suite:

- SAP Contact Center

1.1.3 **Embedded SAP Lumira, desktop edition**

Where Licensee holds a valid Package License for any of the below Package(s), such Package License shall include the right for individuals to download, install and use SAP Lumira desktop edition with such licensed Package(s). For avoidance of doubt, any other Use of SAP Lumira desktop edition shall require a full use license for such Software.

Packages That Include SAP Lumira, desktop edition:

- SAP Fraud Management
- SAP Fraud Management for Public Sector
- SAP Fraud Management for Insurance
- SAP Fraud Management for Banking
- SAP Audit Management

- SAP Identity Management

1.2 **Enterprise Foundation.**

Unlike other Package licenses the SAP ERP Foundation Starter comes with 5 (five) SAP Professional Users in addition to the use rights for the scope of Enterprise Foundation capabilities. Any additionally required Named Users need to be licensed separately. The license for data destruction in Human Capital Management is included in the ERP license. During implementation of ERP Foundation, Licensee may configure such Software to prepare for interfaces with other SAP Packages.

1.3 **SAP Human Capital Management.**

Usage of any integration software and content provided with the SAP HCM software and applicable to an integration between SAP HCM and SuccessFactors' Business Execution Software ("BizX") is permitted only with SAP HCM and a valid, current contract for SuccessFactors BizX.

1.4 **Enhancement Packages for Certain SAP Software.**

The enhancement packages for certain SAP Software may provide new and improved software functionality. Each SAP enhancement package contains business functions that Licensee can activate separately and independently from each other. The standard licensing model for SAP also applies to business functions shipped as part of SAP enhancement packages. To activate business functions, additional licenses may be required. In each of these cases, the respective license needs to be in place prior to activating and Using the business function. Upon request, SAP account executives can provide additional information about the required licenses.

1.5 **S/4HANA Packages.**

S/4HANA Packages shall only be deployed on a SAP HANA database installation (collectively "S/4HANA Installation"). Only S/4 HANA Packages (and no other Software) shall be deployed on a S/4HANA Installation.

- S/4HANA Packages are not licensed for Use with any third party runtime database.
- For the avoidance of doubt, the "Deployment and Communication Rights and Restrictions" set forth in this SUR apply to S/4HANA Packages..

Licensee can only Use S/4HANA Packages if Licensee's total expenditure on license fees for SAP HANA Enterprise Edition or SAP HANA Platform Edition exceed(s) or is equal to fifteen percent (15%) of Licensee's total applicable maintenance base. Licensee agrees to maintain such threshold by licensing additional license metrics of such HANA licenses to meet the threshold.

1.5.1 Named User and Metric Requirements for S/4HANA Enterprise Management. The following S/4 Packages do not require Named User Licenses:

SAP S/4HANA Finance, central finance foundation,
SAP S/4HANA Enterprise Management for Professional use,
SAP S/4HANA Enterprise Management for Productivity use,
SAP S/4HANA Enterprise Management for Business Partner access,
SAP S/4HANA Enterprise Management for developer access,
SAP S/4HANA Finance, Cash Management.
SAP S/4HANA Incentive and Commission Management
SAP S/4HANA Hybris Billing
SAP S/4HANA Hybris Billing, customer financials
SAP S/4HANA Hybris Billing, invoicing
SAP S/4HANA Process Control
SAP S/4HANA Risk management
SAP S/4HANA Access Control
SAP Commercial Project Management for SAP S/4HANA, option for workspaces
SAP Commercial Project Management for SAP S/4HANA, option for cost and revenue planning
SAP Commercial Project Management for SAP S/4HANA, option for issue and change management

1.5.2 SAP S/4HANA Compatibility Packs –

"S/4HANA Compatibility Pack" shall mean an S/4HANA compatible copy of the Software shown in the "Classical Solution" column of the Matrix (the list of applicable Software located at the following link:

https://uacp.hana.ondemand.com/http.svc/rc/PRODUCTION/pdfac0fa9551dd88809f1000000b441570/1511%20000/en-US/MATRIX_OP1511.pdf). The S/4HANA Compatibility Pack may be Used by Licensee as, and in accordance with the terms of, an S/4HANA Package. Such Use is further subject to the following:

- Licensee must have a license to Use i) such Software in the Classical Solution column of the Matrix and ii) the prerequisite shown on the Matrix.
- S/4HANA Compatibility Packs may only be Used until the applicable expiration date shown on the Matrix.

1.5.3 S/4HANA Enterprise Management.

S/4HANA Enterprise Management. S/4 HANA Enterprise Management includes as specific application- related Software, the classical ERP Starter Package, solely for the purpose for meeting the requirement to have a license for SAP ERP Package in order to have the right to Use the ERP Package Compatibility Pack.

S/4HANA Enterprise Management for Professional use.

Use is allowed by the number of individuals included in the Licensed Level who perform all of such individual's operational, system administration and management roles supported by the Software for Licensee's internal business purposes.

S/4HANA Enterprise Management for Productivity use.

Use is allowed by the number of individuals included in the Licensed Level who perform one or more of the following self-service transactions supported by the Software: procurement or human capital management or time reporting - or - for the entry of data into the S/4HANA Enterprise Management Software.

S/4HANA Enterprise Management for functional use.

Use is allowed by the number of individuals included in the Licensed Level:

(A) Who are employees of Licensee's Business Partners to perform any role supported by the Software in accordance with the license grant set forth in the GTC or Software License Agreement, or

(B) Who are employees of Licensee to perform any one of the following roles supported by the Software

(1) management of projects; or

(2) management of inventory, logistics and warehousing or

(3) production

And, any of the following transactions supported by the Software:

(1) procurement self-service

(2) human capital management self service

(3) time reporting and

(4) data input into S/4HANA Enterprise Management

S/4HANA Enterprise Management for developer access.

Use is allowed by the number of individuals included in the Licensed Level who access the development tools provided with the licensed S/4HANA Enterprise Management Software for the purpose of making ABAP Modifications and/or Add-ons to any S/4HANA Packages.

1.5.4 S/4HANA Central Finance, central finance foundation ("S/4HANA Central Finance")

S/4HANA Central Finance includes the following Runtime Software: SAP Application Interface Framework.

Installation Communication Rights and Restrictions between Installation Types is changed in its subsection part 2, section 3.3.4, 1.2 (B) (ii) as follows:

(ii) Application Level API Communication. Bi-directional communication (including data transfers) occurring via "Application Level APIs" is permitted. "Application Level APIs" are those application programming interfaces delivered as part of the licensed SW, excluding all application programming interfaces/technologies when such interfaces/technologies are used to communicate with and/or replicate data at a database level.

1.5.5 SAP S/4 HANA Incentive and Commission Management

SAP Incentive and Commission Management does not include agent portfolio assignment, liability management, actual commissioning and cancellation reserves, portfolio and liability transfer processes.

1.5.6 SAP S/4 HANA Hybris Billing

If SAP S/4 HANA Hybris Billing, charging and Billing Software included in the referenced products shall be Used for, or in support of, billing or revenue share calculation for pre-paid telecommunications products, services or systems in the Restricted Countries or to remotely support prepaid telecommunication systems in the Restricted Countries then prerequisite for such Use is, that Licensee obtains a license from Freedom Wireless permitting such Use. The Restricted Countries are Australia, Brazil, Canada, China, Israel, Japan, South Korea, Mexico and the United States. SAP shall assume no responsibility or liability of any kind, which arises out of Licensee's failure to obtain a license from Freedom Wireless permitting such Use.

1.5.7 SAP S/4HANA Governance, Risk and Compliance Solutions

The following SAP S/4HANA Governance, Risk and Compliance (S/4HANA GRC) solutions include the following Runtime Software: (i) SAP BusinessObjects BI Platform, (ii) SAP Crystal Reports, (iii) SAP BusinessObjects Dashboards, (iv) SAP BusinessObjects Web Intelligence and (v) SAP Lumira desktop edition. Use of such Runtime Software is limited solely with S/4HANA GRC application data.

- a) SAP S/4HANA Process Control
- b) SAP S/4HANA Risk Management

When licensing SAP S/4HANA Process Control or SAP S/4HANA Risk Management, Licensee's employees and/or third parties who only receive policy distributions and respond to policy surveys, quizzes, and/or acknowledgements do not require licenses for the Software provided that such responses do not activate processing capabilities of the Software. For avoidance of doubt, such access does not include creating, reviewing, approving, or issuing these policies or related policy surveys, nor does it allow review of responses.

The following SAP S/4HANA Governance, Risk and Compliance (S/4HANA GRC) solutions include the following Runtime Software: (i) SAP Crystal Reports, (ii) SAP BusinessObjects Dashboards, (iii) SAP Lumira desktop edition. Use of such Runtime Software is limited solely with S/4HANA GRC application data.

- a) SAP S/4HANA Access Control

2 Enterprise Extensions

Enterprise Extension Packages require licensing of the SAP ERP Foundation Starter.

2.1 SAP Payroll Processing.

Payroll Processing for the USA requires partner software that is subject to additional license fees.

2.2 BSI U.S. Payroll Tax Processing.

BSI requires licensing of SAP Payroll Processing. Special maintenance agreement required.

2.3

2.3.1 The SAP Enterprise Integration for GRC Policy Survey mobile app included in SAP Enterprise Risk and Compliance Management, risk management Software is Runtime Software that may require an additional component downloaded from a third party mobile application store. Each additional component is subject to its respective license agreement. The licensed SAP Enterprise Integration for GRC Policy Survey Mobile app includes SAP Mobile Platform ("Mobile Platform") and/or SAP Sybase 365 Mobiliser Platform ("Mobiliser Platform") as Runtime Software. The Mobile Platform and Mobiliser Platform are licensed for use with the licensed SAP Enterprise Risk and Compliance Management, risk management Software only. Any additional use of the Mobile Platform or Mobiliser Platform requires an additional license.

2.3.2 The SAP Enterprise Integration for Payment Approval Mobile App Software ("Payment Approval App") included in SAP Treasury and Financial Risk Management, treasury operations Software is Runtime Software that may require an additional component downloaded from a third party mobile application store. Each additional component is subject to its respective license agreement. The licensed Payment Approval App includes SAP Mobile Platform ("Mobile Platform") and/or SAP Sybase 365 Mobiliser Platform ("Mobiliser Platform") as Runtime Software. The Mobile Platform and Mobiliser Platform are licensed for use with the licensed SAP Treasury and Financial Risk Management, treasury operations Software only. Any additional use of the Mobile Platform or Mobiliser Platform requires an additional license

2.4 SAP Treasury and Financial Risk Management, treasury and risk, and SAP Treasury and Risk Management, Public Sector.

Use of SAP Treasury and Risk Management is limited to a maximum of a hundred (100) active, investment-related security classes in the securities area*. In case a larger number of security classes are required, the Industry Package SAP Investment Management for Insurance and/ or SAP Investment Controlling for Insurance have to be licensed.

* In the SAP system each security (e.g. stocks) is a class. The class data includes all the structure characteristics of a security. Since the creation of transactions and the management of positions in the transaction manager are based on product types, each class needs to be assigned to a product type.

2.5 SAP (EHS Management, Environment, Health and Safety; SAP EHS Management, Product Safety; SAP EHS Management, Product and REACH compliance.

SAP only warrants the functional scope of the aforementioned products. However, SAP does not warrant or guarantee regulatory compliance of these products. Implementation of these products in accordance with regulatory compliance requirements is within the responsibility of Licensee.

SAP also provides for free publicly available information to support business processes of calculations and reporting, herein called content, within the EHS Management, Environment, Health, and Safety software product. SAP does not warrant the accuracy of this content or that license will obtain any specific results from the use of the content. SAP only warrants that SAP has used reasonable business care in collecting and compiling the content. SAP does not provide any support Services for this content, especially SAP is not obliged to provide any updates for such content.

2.6 SAP EHS Management, Environment, Health and Safety.

The Licensee need not for Individuals who utilize the incident management functionality of SAP EHS Management, Environment, Health and Safety solely to enter data for initial incident reporting and to provide data for incident investigations license a Named User license. Such data entry may occur asynchronously (off-line) via the Adobe Interactive Form tool, synchronously (on-line) by direct interaction with the SAP system, or via mobile devices. This exception applies only to incident management data entry use, and does not apply to any other uses of the incident management functionality or any other functionality of SAP EHS Management including incident processing, investigation, and performance and regulatory reporting. SAP EHS Management, environment, health, and safety does not include rights to SAP EHS Management, Product Safety and SAP EHS Management, Product REACH and Compliance.

The SAP Enterprise Integration EHS Safety Issue Mobile App Software is Runtime Software that may require an additional component downloaded from a third party mobile application store. Each additional component is subject to its respective

license agreement with the third party. The licensed SAP Enterprise Integration EHS Safety Issue Mobile Apps includes SAP Mobile Platform ("Mobile Platform") and/or SAP Sybase 365 Mobiliser Platform ("Mobiliser Platform") as Runtime Software. The Mobile Platform and Mobiliser Platform are licensed for use with the licensed SAP Enterprise Integration for Mobile Apps only. Licensee must license additional license for any additional use of the Mobile Platform or Mobiliser Platform.

2.7 **N.A.**

2.8 **SAP Incentive and Commission Management**

SAP Incentive and Commission Management does not include agent portfolio assignment, liability management, actual commissioning and cancellation reserves, portfolio and liability transfer processes.

2.9 **SAP Quality Issue Management**

Licensee need not for individuals who Use SAP Quality Issue Management solely to enter data for initial incident reporting and to provide data for incident investigations license Named User licenses. Such data entry may occur asynchronously (off-line) via the Adobe Interactive Form tool, synchronously (on-line) by direct interaction with the SAP system, or via mobile devices. This exception applies only to incident management data entry use, and does not apply to any other uses of the incident management functionality or any other functionality of SAP Quality Issue Management.

2.10 **SAP Management of Change**

A named user license is not required for employees, contractors, and business partner users that interact with SAP Management of Change solely to create a change request. This exception applies only change request creation, and does not apply to the use of any other functionality of SAP Management of Change including approvals.

2.11 **Line Of Business**

2.11.1 Track & Trace and Extended Warehouse Management

Licensee need not license for Business Partners of Licensee accessing Track & Trace and Extended Warehouse Management solutions solely to view the tracking status and report event messages a SAP Named User license.

2.11.2 SAP Transportation Management/SAP Transportation Management for T&L

External users accessing SAP Transportation Management/SAP Transportation Management for T&L for the explicit and restricted set of tasks of viewing freight contracts, viewing and updating rate sheets, viewing invoice status and dispute management, viewing shipment order status, viewing carrier booking status, viewing of route maps, viewing and responding to shipment tenders (request for quotations) do not require a SAP Named User license. This includes any user necessary for SAP Gateway access. External users are customers and/or employees of a business partner of the company licensing SAP Software.

2.11.3 SAP Extended Warehouse Management

This license includes the following Runtime Software: SAP HANA App SAP Labor Demand Planning.

2.11.4 SAP Manufacturing Execution (ME)

SAP Manufacturing Execution (ME) includes SAP Manufacturing Integration and Intelligence (MII) as Runtime Software solely for use in integrating ME to Licensee's SAP system.

2.11.5 SAP Manufacturing Integration and Intelligence (MII) For Midsized

Use is limited to small plants defined as manufacturing plants with no more than 250 plant employees at such plant.

2.11.6 SAP Customer Engagement and Commerce (CEC)

Licensee need not to license Named User license for Use of the following CEC Packages:

- SAP CRM Sales
- SAP CRM Service
- SAP CRM Marketing
- SAP CRM Loyalty Management
- SAP Real-Time Offer Management
- SAP Sales and Service Order Processing
-
- SAP Contact Center
- SAP Incentive and Commissions Management
- SAP Trade Promotion Optimization
- SAP Customer Business Planning
- SAP Configure, Price and Quote for product configuration
- SAP Configure, Price and Quote for solution sales configuration
- Desktop Connctcion for SAP CRM – enterprise edition
- SAP Intellectual Property Management

Use of the following SAP Hybris Billing related Packages does not require a Named User license:

- SAP Hybris Billing
- SAP Hybris Billing, subscription order management
- SAP Hybris Billing, charging
- SAP Hybris Billing, pricing simulation
- SAP Hybris Billing, invoicing
- SAP Hybris Billing, customer financials
- SAP Hybris Billing, flexible solution billing
- SAP Hybris Billing, mediation by DigitalRoute
- SAP Hybris Billing, service control by DigitalRoute

Use of the following SAP Hybris Packages does not require a Named User license:

- SAP Hybris Commerce Suite
- SAP Hybris advanced personalization module
- SAP Hybris order management services
- SAP Hybris Web content management module
- SAP Hybris telco accelerator
- SAP Hybris subscriptions module
- SAP Hybris subscriptions billing gateway
- SAP Hybris bundling module
- SAP Hybris Product Content Management
- SAP Hybris Entitlements & Metering
- SAP Hybris financial services accelerator
- SAP Hybris B2B Commerce Suite, Edge edition
- SAP Hybris B2C Commerce Suite, Edge edition
- SAP Hybris Marketing, data management
- SAP Hybris Marketing, segmentation option
- SAP Hybris Marketing, acquisition option
- SAP Hybris Marketing, recommendation option
- SAP Hybris Marketing, insight option
- SAP Hybris Marketing, planning option

2.11.6.1 SAP CRM Sales; SAP CRM Service; SAP CRM Marketing

Use of SAP CRM Sales, SAP CRM Service and SAP CRM Marketing packages is limited to use by Licensee only to run Licensee's and its Affiliate internal business operations.

2.11.6.2 SAP CRM Sales, Limited Access; SAP CRM Service, Limited Access; SAP CRM Marketing, Limited Access

Licensing of SAP CRM Sales, Limited Access; SAP CRM Service, Limited Access; or SAP CRM Marketing, Limited Access by Licensee allows Licensee's Business Partners to access the SAP CRM Sales; SAP CRM Service; or SAP CRM Marketing package respectively, in accordance with the terms of the Software Agreement.

2.11.7 SAP Hybris Commerce Suite. The SAP Hybris Product Content Management (PCM) included in the SAP Hybris Commerce Suite is Runtime Software and use of PCM is limited to online channels used within the SAP Hybris Commerce Suite. Any other Use of PCM will require additional licenses.

2.11.8.1 SAP Enterprise Product Engineering Package

SAP Product Engineering Package includes the following Runtime Software: Visual Enterprise Generator and Collaborative Product Development and Product Structure Synchronization. Use of Collaborative Product Development and Product Structure Synchronization is limited to product development functionality. Use of Visual Enterprise Generator is limited to 1 core of usage. Any Use in excess of the foregoing will require licensing of the full use version of Visual Enterprise Generator

2.11.8.2 SAP Enterprise Product Formulation Package

SAP Product Formulation Package includes the following Runtime Software: Collaborative Product Development and Product Structure Synchronization. Use of Collaborative Product Development and Product Structure Synchronization is limited to recipe development functionality.

2.11.9 SAP Yard Logistics

SAP Yard Logistics includes Runtime Software of SAP's Extended Warehouse Management (EWM) for sole Use with SAP Yard Logistics. Use of SAP Extended Warehouse Management excludes Use of processes based on inbound or outbound deliveries, as well as stock-keeping processes (other than Transportation Unit and Yard related processes).

3 Industry Portfolio

- 3.1 SAP Upstream Contracts Management for Oil & Gas.**
Functional support for any local or legal requirements for any of these solution components is not covered by the standard maintenance agreement. A separate service agreement must be concluded for this purpose.
- 3.2 SAP Upstream Operations Management for Oil & Gas.**
The use of SAP Manufacturing Integration and Intelligence is Runtime Software that is restricted to upstream production, scheduling, allocation, and maintenance only.
- 3.3 SAP Secondary Distribution Management for Oil & Gas.**
The license for "SAP Secondary Distribution Management for Oil & Gas" includes a license of the industry package "SAP Hydrocarbon Management for Oil & Gas" for up to 50,000 BOEPD sold.
- 3.4 SAP Fashion Management Solution**
SAP Fashion Management licensee may not use SAP Retail Merchandizing processes (other than Fashion Article and Variant / Fashion Master Data) without licensing SAP Retail Merchandizing.
- 3.5 SAP Military Data Exchange.**
SAP Military Data Exchange is not available for all countries, for details please see contact information at www.sap.com/defense-security.
- 3.6 SAP Benefits, Tax Management, and Payment Processing for Public Sector**
The SAP Tax, Benefit and Payment Processing for Public Sector includes a restricted SAP NetWeaver Gateway for Consumer Access license that can solely be used
- (1) to access processes which are included in the SAP Tax, Benefit and Payment Processing for Public Sector
- (2) for customers' extensions and enhancements within SAP Tax and Revenue Management for Public Sector Licensee need not to purchase A Named User License for Tax, Benefits, and Payment Processing for Public Sector is not needed for external users representing the contact (e. g. taxpayer or tax accountants on behalf of the taxpayer accessing the system for online filing and payments), unless they are working on behalf of the licensee (e. g. a job assessor...)
- 3.7 SAP Realtime Situational Awareness for Public Sector**
Use of this package does not require an SAP Named User. This package includes the following components, subject to the restrictions set forth herein: (i) SAP Predictive Analytics Modeler – limited to five (5) Users per Licensee; (ii) SAP Replication Server, Premium Edition – limited to four (4) Cores per Licensee; (iii) SAP Data Service – limited to eight (8) Cores per Licensee; (iv) SAP BI Suite; and (v) SAP Mobile Platform.
- 3.8 SAP Hybris Billing, charging; SAP Hybris Billing**
If Billing, charging and Billing Software included in the referenced products is Used for, or in support of, billing or revenue share calculation for pre-paid telecommunications products, services or systems in the Restricted Countries or to remotely support prepaid telecommunication systems in the Restricted Countries then Licensee shall be obliged to obtain a license from Freedom Wireless permitting such Use. The Restricted Countries are Australia, Brazil, Canada, China, Israel, Japan, South Korea, Mexico and the United States. Failure to obtain a license from Freedom Wireless permitting such use shall void and release SAP from all related warranties, including without limitation any warranties and/or indemnities with respect to non-infringement of intellectual property rights to the fullest extent provided by applicable law.
- 3.9 SAP Multichannel Foundation for Utilities**
The SAP Multichannel Foundation for Utilities includes a restricted SAP NetWeaver Gateway for Consumer Access license and SAP Mobile Platform, consumer edition that can solely be used
- (1) as a runtime for SAP Multichannel Foundation for Utilities, and
- (2) for customers' extensions and enhancements to SAP Multichannel Foundation for Utilities
- It is mandatory to have all online users represented in the Multichannel user management module. If the customer is using or plans to use a third party user management application, the customer needs to interface/replicate the online users to the Multichannel user management module.
- 3.10 SAP Event Ticketing**
Exception from Standard Named User requirement:
A If Event Ticketing is used stand-alone (i.e. Licensee has not licensed any other SAP Software), Licensee need not to license SAP Named Users
B If Event Ticketing is deployed in an environment with other SAP products, Named Users need to be licensed by Licensee according to the following rules:
(1) For employees of Licensee exclusively using the system in ticket-selling roles (e.g. box-office sales, call center agent, web shop user), a SAP Professional User must be licensed by Licensee.

(2) For users who are not employees of the Licensee, and who access the system exclusively in ticket-selling roles, no Named User needs to be licensed by Licensee.

(3) For any users not covered under (1) or (2), a SAP Professional User needs to be licensed by Licensee.

3.11 SAP Regulatory Report by iBS, Accounts; SAP Regulatory Report by iBS, Derivatives; SAP Regulatory Report by iBS, P/C/S Cashflow; SAP Regulatory Report by iBS, Retail Cashflow.

Licensed iBS software may only be Used to support Licensee's German, Austrian and/or Swiss business operations.

3.12 SAP Fraud Management, SAP Fraud Management for Public Sector, SAP Fraud Management for Insurance

Licensee is allowed to create new tables and new views (database views, analytical views, projection views, attribute views, calculation views, etc.) on the database as long as they are used in the context of the SAP Fraud Management solution (e.g. to setup rules which access these tables/views). For SAP Fraud Management and SAP Fraud Management for Insurance, Licensee is also allowed to use 1 User of Predictive Analytics Modeler within the Fraud solution context. For SAP Fraud Management for Public Sector, Licensee is also allowed to use 3 Users of Predictive Analytics Modeler within the Fraud solution context.

3.13 SAP Medical Research Insights

The software gives instant access to information from multiple sources and allows visualizing and analyzing complex data sets in real-time.

The software is not intended to be used for diagnostic or therapeutic purposes. In particular and without limitation, the software is not intended to be used for (i) final selection of patients for a clinical study, or (ii) the detection, prevention, surveillance, treatment or relief of diseases, (iii) the detection, surveillance, treatment, relief or compensation of injuries and handicaps, or (iv) the examination, substitution or change of the anatomical structure or a physiological process of a human being.

4 Third Party Reselling

4.1 SAP Interactive Forms by Adobe, Enable the Enterprise (includes 40 Interactive Forms) ("Adobe EE").

The total number of SAP Named Users licensed to use SAP Software may never exceed the License Level for Adobe EE, i.e. all licensed SAP Named Users must contribute to the calculation of the license fee for Adobe EE.

4.2 Additional Interactive Forms Bundle(s) for Adobe EE or Adobe, Individual User ("Adobe EE or IU") (40 Forms per Additional Interactive Forms Bundle).

Only individuals licensed to use Adobe EE or IU are permitted to use the licensed Additional Interactive Forms Bundles for Adobe EE or IU (if any).

4.3 SAP Interactive Forms by Adobe, External Users ("Adobe EU").

Only those individuals who are licensed to use specific SAP Software without the requirement of an SAP Named User license may use licensed Adobe EU, and such use (of Adobe EU) shall be solely in conjunction with, and to the extent of, such individual's license to use such specific SAP Software without the requirement of an SAP Named User license. For avoidance of doubt, no one licensed as an SAP Named User may use Adobe EU. External users get access to 40 forms or the number of forms licensed for Adobe EE/ Adobe IU if greater than 40.

4.4 SAP LoadRunner by HP ("LR").

Licensee's use of the LR software is limited solely to testing or monitoring pre-production SAP Software (including any and all software required to operate the particular SAP Software, further including the SAP Software's associated operating systems, databases, application servers, etc) only in quality assurance and similar non-production environments, and may only be used on a single server.

4.5 SAP LoadRunner by HP, Performance Center ("LR PCD").

Licensee's use of the LR PCD software is limited solely to testing or monitoring pre-production SAP Software (including any and all software required to operate the particular SAP Software, further including the SAP Software's associated operating systems, databases, application servers, etc) or any other pre-production software (so long as the LR PCD software Documentation specifies that the licensed LR PCD software is prescribed for testing and monitoring such other pre-production

software) only in quality assurance and similar non-production environments. use of the Diagnostics for Composite Applications component ("Diagnostics") included with LR PCD is (i) subject to the forgoing Usage limitation and (ii) further limited to use with a single Application Instance (as defined below) for every two hundred fifty (250) Virtual Users of LR PCD licensed. "Application Instance" means a monitored, non-production environment running an instance of an application (e.g. an instance of SAP Software, a java virtual machine or a database server counts as one Application Instance).

4.6 SAP LoadRunner by HP, Performance Center ("LR PC").

Licensee's use of the LR PC software is limited solely to testing or monitoring pre-production SAP Software (including any and all software required to operate the particular SAP Software, further including the SAP Software's associated operating systems, databases, application servers, etc) or any other pre-production software (so long as the LR PC software Documentation specifies that the licensed LR PC software is prescribed for testing and monitoring such other pre-production software) only in quality assurance and similar non-production environments.

4.7 SAP Quality Center by HP, Enterprise Edition ("QC EE").

Licensee's use of the QC EE software is limited solely to testing or monitoring pre-production SAP Software (including any and all software required to operate the particular SAP Software, further including the SAP Software's associated operating systems, databases, application servers, etc), and, if the applicable Software Agreement indicates that QC EE is licensed for "Full Use", Licensee's use of the QC EE software shall also include the right to test or monitor any other pre-production software (so long as the QC EE software Documentation specifies that the licensed QC EE software is prescribed for testing and monitoring such other pre-production software), all in quality assurance and similar non-production environments only. The QC EE Bundle currently includes the SAP Quality Center by HP, Enterprise Edition – QuickTest Professional, TestDirector, Business Process Testing, Requirements Management, and Defects Management components.

4.8 SAP Quality Center by HP, Premier Edition ("QC PE").

Licensee's use of the QC PE software is limited solely to testing or monitoring pre-production SAP Software (including any and all software required to operate the particular SAP Software, further including the SAP Software's associated operating systems, databases, application servers, etc) or any other pre-production software (so long as the QC PE software Documentation specifies that the licensed QC PE software is prescribed for testing and monitoring such other pre-production software), all in quality assurance and similar non-production environments only. The QC PE Bundle currently includes the SAP Quality Center by HP, Premier Edition – QuickTest Professional, TestDirector, Business Process Testing, Requirements Management, and Defects Management components.

4.9 SAP Employee File Management by OpenText ("EFM").

EFM contains a limited use license of SAP Document Access by OpenText that can only be used in conjunction with the EFM solution to manage employee related documents. Broader usage of Document Access would require separate licensing of that solution.

4.10 SAP Document Access by OpenText ("DA").

An individual licensed to use DA for SAP Business Expert, Professional and Limited Professional Users must be licensed as an SAP Business Expert, Professional or Limited Professional User. An individual licensed to use DA for SAP Business Information, Employee and Employee Self-Service Users must be licensed as an SAP Business Information, Employee or Employee Self-Service User. DA may not be used to archive and/or view any data and/or documents originating from a point-of-sale device.

4.11 SAP Archiving by OpenText ("Archiving").

An individual licensed to use Archiving for SAP Business Expert, Professional and Limited Professional Users must be licensed as an SAP Business Expert, Professional or Limited Professional User. An individual licensed to use Archiving for SAP Business Information, Employee and Employee Self-Service Users must be licensed as an SAP Business Information, Employee or Employee Self-Service User.

4.12 SAP Invoice Management by OpenText ("IM").

An individual licensed to use OCR must also be licensed for IM. The OCR is an optional component and there must be at least as many IM licenses as OCR licenses but there can be more IM licenses than OCR license.

4.13 SAP Extended ECM by OpenText, Limited Access (“Extended ECM”).

Licensee’s users are limited to 50 login days/year. A “Login Day” is defined to be a day with one or more logins to the Extended ECM system by such user.

4.14 SAP Dispatching & Planning – Long Term Planning by Prologa; SAP Dispatching & Planning – Operational Planning by Prologa;

SAP Legal Requirements by Prologa. An individual licensed to use any Prologa must be licensed as an SAP Business Expert, Professional or Limited Professional User.

4.15 SAP Mobile Order Management by PROLOGA.

A Named User license is not required if the access to the backend system is handled through the component SAP Mobile Order Management by PROLOGA. In all other cases Licensee has to purchase a SAP Named User.

4.16 SAP User Experience Management by Knoa.

SAP User Experience Management by Knoa is embedded or bundled with 5 (five) licenses of the following SAP Business Objects Software: SAP Business Objects Enterprise Premium, WebIntelligence, Xcelsius Enterprise, Xcelsius Enterprise Interactive Viewing, Crystal Reports (“Runtime Software”). Such Runtime Software may only be Used to access data created or enhanced by Knoa. Runtime Software may not be combined in the same Deployment as SAP BusinessObjects Software licensed independently from Knoa.

4.17 BSI U.S. Payroll Tax Processing.

The BSI software is licensed for use in conjunction with the payroll functionality contained in the SAP Payroll Software, which must be separately licensed. In addition, the license for the BSI software is limited for use on a single Platform at a time (with the exception of a Platform migration period as BSI may allow). For purposes herein, the term “Platform” shall mean a single BSI Supported Configuration of the following: a single database, single server, single client software, and single operating system. For purposes herein, “BSI Supported Configuration” shall mean a configuration for which BSI makes support available for SAP Licensees of the BSI software. The BSI software license does not include a license to use any third party database, server, client software, or operating system. If Licensee wishes to change the Platform: (i) Licensee shall provide SAP written notice of the same and complete a Platform Change form (in a format acceptable to BSI); and (ii) SAP shall allow such change to the extent and under the conditions BSI generally makes available to SAP, including without limitation Licensee’s payment of any platform change fees that apply.

4.18 ANCILE

For the following price list items the special term as described below does apply:

- SAP Productivity Pak by ANCILE – excl. North America (7009560)
- SAP Productivity Pak Help Launch Pad by ANCILE – excl. North America (7009561)
- SAP Productivity Composer by ANCILE – excl. North America (7009562)
- SAP Productivity Composer Help Launch Pad by ANCILE – excl. North America (7009563)
- SAP Productivity Pak by ANCILE – North America (7009639)
- SAP Productivity Pak Help Launch Pad by ANCILE – North America (7009640)
- SAP Productivity Composer by ANCILE – North America (7009641)
- SAP Productivity Composer Help Launch Pad by ANCILE – North America (7009642)

When ANCILE software is used with standalone SAP BusinessObjects solutions namely Knowledge Accelerator products or to create education offerings for SAP BusinessObjects solutions that do not interface with SAP solutions that require SAP Named Users, such users must be licensed to use SAP BusinessObjects solutions based on either the SAP BusinessObjects Named User or CPU metric and do not need to be licensed as SAP Named User.

The amount of licensed “user” sales units for the SAP Productivity Pak by ANCILE or SAP Productivity Composer by ANCILE must match at least the total number of the licensed Named Users for the SAP BusinessObjects Knowledge Accelerator solutions, provided the SAP BusinessObjects Knowledge Accelerator is licensed along with the ANCILE solutions. SAP BusinessObjects Knowledge Accelerator may be licensed in the Named User or CPU capacity.

4.19 SAP Portal Site Management by OpenText.

SAP Portal Site Management by OpenText (PSM) may only be Used with the SAP Portal, as included in SAP NetWeaver (the “SAP Portal”) and may not Use any other licensed SAP Proprietary Information. PSM does not include an SAP Portal license.

4.20 SAP Interactive Forms by Adobe, external users.

External users get access to 40 forms or the number of forms licensed for Adobe EE/ Adobe IU if greater than 40.

4.21 SAP Price and Margin Management by Vendavo.

Only the Pricing Analytics module is compatible with SAP HANA.

4.22 SAP Digital Content Processing by OpenText.

The OCR functionality is an optional component that is compatible only with Microsoft SQL Server Database.

5 SAP NetWeaver

Adapters are only available with a SAP NetWeaver PI license and are licensed for a defined release of a backend system or protocol. Maintenance for adapters covers the support of connectivity to a backend system or compliance to a protocol specification at that given release at the time of licensing. It is within SAP's sole discretion to extend the use rights of an adapter (either partly or fully) to a higher release of the respective backend system or protocol. This applies to change of version of protocols as well.

Provided Licensee has licensed an SAP software component based on SAP NetWeaver, Licensee shall have rights to SAP Fiori and SAP Screen Personas. SAP Fiori and SAP Screen Personas software usage rights are included in the respective SAP NetWeaver Software components to the extent of licensee's licensed use rights for such SAP prerequisite components.

5.1 SAP NetWeaver Process Integration (PI) Adapters.

The adapters listed here are available free of charge with the SAP Netweaver Process Orchestration license: CICS Adapter by iWay, TMS/IMS Adapter by iWay, ORACLE Adapter by iWay, PeopleSoft Adapter by iWay, Siebel Adapter by iWay, SAP NetWeaver Adapter for IDOCs, SAP NetWeaver Adapter for RFCs, SAP NetWeaver Adapter for File/FTP, SAP NetWeaver Adapter for Http(s), SAP NetWeaver Adapter for SOAP, SAP NetWeaver Adapter for JMS, SAP NetWeaver Adapter for JDBC, SAP NetWeaver Adapter for Mail Protocols (pop, imap, smtp), SAP NetWeaver Adapter for SAP BC Protocol. Secure File Transfer Protocol adapter (SFTP) and Pretty Good Privacy adapter module (PGP).

5.2 SAP NetWeaver OpenHub.

With this license, data may be exported out of the licensed SAP NetWeaver BW into non-SAP software applications in an asynchronous, non real-time manner. Once data is asynchronously extracted to non-SAP software, there are no additional license fees required for SAP Software or SAP Named Users. For the purposes of this Section 4.3 "asynchronous extraction" means downloading data in bulk (i.e., not in response to a real-time Named User or system-generated reporting query) for analytical purposes.

5.3 Planning Application Kit.

A license is required for either SAP Planning, version for SAP NetWeaver or SAP Planning and Consolidation, version for SAP NetWeaver whenever the Planning Applications Kit is Used to develop planning applications that leverage in-memory processing of core planning functions.

5.4 SAP NetWeaver BeXBroadcaster.

Broadcasting recipients accessing SAP solutions or their respective components need to be licensed for such solutions. SAP NetWeaver BeX Broadcaster, provides Licensees with the ability to broadcast SAP NetWeaver BW information (e.g. BeX reports, BeX Queries and BeX workbooks) to support the distribution of mass information to large audiences in a personalized and secure manner.

5.5 SAP NetWeaver Business Warehouse Accelerator.

Certain hardware restrictions may apply – details are available upon request.

5.6 SAP NetWeaver Master Data Management

SAP NetWeaver MDM, global data synchronization is not included into the scope of SAP Enterprise Master Data Management. For all Enterprise Master Data Management scenarios based on SAP NetWeaver Master Data Management products, a SAP Professional Named User license is required for users maintaining MDM data. In an Enterprise Master Data Management scenario, there is no named user license requirement for users reading/viewing and/or browsing MDM data. This includes, but is not limited to a business user using a search application to identify a record in the MDM repository or catalog users accessing a web catalog. For all embedded master data management scenarios based on SAP Master Data Governance products the appropriate Named User is required.

5.7 SAP Enterprise Master Data Management, information stewardship option

The **SAP Enterprise Master Data Management, information stewardship option** license allows Licensee to use DataServices (including DQM) and Information Steward within Master Data Management and Master Data Governance use cases only. A Master Data Management use case is defined as a scenario where data is cleansed, de-duplicated and loaded via Data Services into SAP NetWeaver Master Data Management (MDM) or SAP Master Data Governance (MDG). Data is distributed from SAP NetWeaver Master Data Management, or SAP Master Data Governance to downstream systems via SAP DataServices. SAP DataServices is used for data management within the Master Data Management repository of SAP NetWeaver Master Data Management or SAP Master Data Governance.

SAP Enterprise Master Data Management, information stewardship option can be acquired and used in combination with SAP NetWeaver Master Data Management, SAP Master Data Governance or SAP Enterprise Master Data Management. Standard named user policy exceptions from these price list items apply also to "SAP Enterprise Master Data Management, data quality option.

For all Master Data Management scenarios based on SAP Master Data Governance products, a SAP Professional Named User license is required for users maintaining MDM data. A SAP Employee Named User license is required for users with read only access to data.

For all Enterprise Master Data Management scenarios based on SAP NetWeaver Master Data Management products, a SAP Professional Named User license is required for users maintaining MDM data. In an Enterprise Master Data Management scenario, there is no named user license requirement for users simply viewing or browsing MDM data. This includes, but is not limited to

- a line of business user using a search application to identify a golden record in the MDM repository
- catalog users accessing a web catalog
- a web application accessing the MDM repository via services to read clean master data.

Since MDG may be deployed at ERP/ECC and share the same persistency layer it's critical to distinguish active and inactive records. The license only assumes charging for the former and the latter may come in a few flavors:

- If an object is marked for deletion in ERP/ECC before MDG is deployed then it is considered inactive and not counted for the license blocks.(Calculation of right to Use)
- If an object is marked for deletion in ERP/ECC after MDG is deployed then it is considered active and counted for the license blocks (Calculation of right to Use).
- If a customer developed a custom solution for the "other" domain and loads some data to MDG then prior to loading the customer should create a definition of inactive records and specify what field(s) mark such records. The marked for deletion objects are not counted for the license blocks (Calculation of right to Use) . If there is no such a definition then all the objects are considered active.
- If an object is physically deleted from MDG or archived then it is not counted for the license blocks (Calculation of right to Use) .

5.8 SAP Identity Management

SAP Identity Management may be used by Licensee to integrate Licensee's SAP applications as part of an application-specific runtime license of SAP NetWeaver Foundation. For any other use (e.g. Integration into 3rd party applications or non-SAP applications), SAP Identity Management needs to be licensed. Licensee is allowed to use no more than 10 of the embedded SAP Lumira Desktop Named User Licenses regardless of the number of Identity Management licenses purchased.

5.9 SAP NetWeaver Portal, enterprise workspaces.

SAP NetWeaver Portal enterprise workspaces include the runtime rights of SAP NetWeaver Enterprise Portal. In case SAP NetWeaver Portal enterprise workspaces are used standalone without access to any SAP application SAP Named Users licenses are not required.

5.10 SAP NetWeaver Foundation Runtime License.

An application-specific runtime license of SAP NetWeaver Foundation is included with all Software Package licenses provided that SAP NetWeaver is delivered with the software. This runtime license grants the Licensee the right to Use SAP NetWeaver Foundation only with (i) the licensed SAP application (including customization), (ii) Modifications (iii) Add-Ons to the SAP application that do not directly access the database of the SAP applications or the information contained therein, and (iv) third party applications that do not directly access the database of the SAP applications or the information contained therein. . Licensee's Developer Users may Use the tools included in SAP NetWeaver Foundation runtime license only for the development of these Modifications and Add-Ons described above.

5.11 SAP Process Orchestration.

SAP Process Orchestration includes the rights to use SAP NetWeaver Process Integration (PI), SAP NetWeaver Business Process Management (BPM) and SAP NetWeaver Business Rules Management (BRM). SAP Process Orchestration includes

a restricted runtime license of SAP NetWeaver Foundation for Third Party Applications to be used only in conjunction with SAP NetWeaver PI, BPM, and/or BRM.

5.12 SAP Process Orchestration, Edge edition, premier option

SAP Process Orchestration, Edge edition premier option includes the rights to use SAP Process Orchestration and SAP Data Integrator, Edge edition. Each one (1) Core license of SAP Process Orchestration, Edge edition premier option includes the rights to one (1) Concurrent Session of SAP PowerDesigner EnterpriseArchitect, fifty (50) Users of SAP Single Sign-On and fifty (50) Users of SAP Identity Management. The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Process Orchestration, Edge edition, premier option may be installed and Used, excluding SAP Sybase PowerDesigner EnterpriseArchitect, SAP Single Sign-On, and SAP Identity Management which do not count against total Cores. SAP Process Orchestration, Edge edition, premier option includes a restricted runtime license of SAP NetWeaver Foundation for Third Party Applications to be used only in conjunction with SAP Process Orchestration. The Use of SAP Process Orchestration, Edge edition, premier option is limited to a maximum of eight (8) Cores.

5.13 SAP Process Orchestration, Edge edition, standard option

SAP Process Orchestration, Edge edition, standard option includes the rights to use SAP Process Orchestration. Each one (1) Core license of SAP Process Orchestration, Edge edition, standard option includes the rights to one (1) Concurrent Session of SAP PowerDesigner EnterpriseArchitect. The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Process Orchestration, Edge edition, standard option may be installed and Used, excluding SAP PowerDesigner EnterpriseArchitect which does not count against total Cores. SAP Process Orchestration, Edge edition, standard option includes a restricted runtime license of SAP NetWeaver Foundation for Third Party Applications to be used only in conjunction with SAP Process Orchestration. The Use of SAP Process Orchestration, Edge edition, standard option is limited to a maximum of eight (8) Cores.

5.14 SAP Single Sign-On

The licensee need to license for a User performing developer or administrative functions a Named User license in addition to the Package License for the Software.

5.15 SAP NetWeaver Landscape Virtualization Management, enterprise edition.

Licenses for LVM instances are not permanently assigned to a specific LVM instance, but can be pooled allowing them to be assigned and unassigned to LVM instances as necessary based on the applications being managed by SAP NetWeaver Landscape Virtualization Management. Licenses for the copy/refresh option must be assigned to a specific SAP system/application (e.g. ECC, CRM, SRM, etc.), and can only be reassigned to a different system/application once in a 12 month period. Licensee acknowledges and agrees that it is Licensee's responsibility to ensure that it has all necessary third party license rights required to clone and/or copy an environment using this software, and Licensee has obtained and will maintain all such license rights necessary to use the functionality described herein, including without limitation the license right to operate the target system landscape after cloning and/or copying. Without limiting the materiality of other provisions of the Software Agreement, the parties agree that any violation by Licensee of third party license rights in this respect will be a material breach of the Software Agreement.

5.16 SAP Visual Business

All standard SAP products include a limited license for the Licensee to use SAP Visual Business subject to the following restriction: The Licensee may not modify use cases delivered by SAP, or view or create use cases not delivered by SAP standard applications, unless Licensee has expressly licensed SAP Visual Business (note SAP Visual Business Interface is licensed via SAP NetWeaver).

5.17 SAP Enterprise Threat Detection

SAP Enterprise Threat Detection includes a limited runtime license for SAP Event Stream Processor to be used only in conjunction with SAP Enterprise Threat Detection.

5.18 SAP NetWeaver Foundation for Third Party Applications

The SAP NetWeaver Foundation for Third Party Applications license grants the Licensee, in addition to the SAP NetWeaver Foundation runtime license, the right to Use the SAP NetWeaver Foundation for Third Party Applications Software with (i) Add-Ons to the SAP application that directly access the database of the SAP applications or the information contained therein(*), and (ii) third party applications that directly access the database of the SAP applications or the information contained therein.

Important Notice: A direct access to a database (including but not limited to Oracle and/or Microsoft databases) or the information contained therein may require Full Use licenses for that database. It is Licensee's responsibility to secure all appropriate rights from any applicable licensor(s).

(*) Licensee's Developer Users may Use the tools included in SAP NetWeaver Foundation for Third Party Applications license for the development of these Add-Ons described above.

Mixing Core-based and user-based license metrics for SAP NetWeaver Foundation for Third Party Applications is not permitted. Licensees must decide the first time they purchase or license SAP NetWeaver Foundation for Third Party Applications which license metric (user-based or Core-based) they will use.

5.19 SAP Intelligent Business Operations bundle

SAP Intelligent Business Operations bundle includes the rights to use SAP Process Orchestration, SAP Event Stream Processor, and SAP HANA Operational Process Intelligence Option. Use of SAP HANA Operational Process Intelligence Option is restricted to (i) data from the included SAP Process Orchestration and SAP Event Stream Processor Software, and (ii) data from SAP Business Suite applications, if licensed separately by the Licensee. Each one (1) Core license of SAP Intelligent Business Operations bundle includes the rights to one (1) Concurrent Session of SAP PowerDesigner EnterpriseArchitect. The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Intelligent Business Operations bundle may be installed and Used, excluding SAP HANA Operational Process Intelligence Option and SAP PowerDesigner EnterpriseArchitect which do not count against total Cores.

5.20 Rapid System Decommissioning with SAP ILM

Rapid System Decommissioning with SAP ILM includes the rights to use SAP Information Lifecycle Management, system decommissioning. Rapid System Decommissioning with SAP ILM includes a restricted runtime license of SAP Landscape Transformation, Replication Server to be used only in conjunction with SAP Information Lifecycle Management, system decommissioning. Rapid System Decommissioning with SAP ILM includes a restricted runtime license of SAP IQ Enterprise Edition (including SAP IQ Unstructured Data Analytics Option and SAP IQ Very Large Database Management Option) to be used solely as a data store for SAP Information Lifecycle Management, system decommissioning.

5.21 Productivity Apps

Productivity Apps are either (1) an SAP application identified as such herein, or a certified or reviewed partner application, as set forth on, <http://www.sap.com/pc/tech/mobile/software/solutions/platform/contracts-app-list.html> and where licensed by Licensee under the Software Contract on a per user basis, or (2) any Licensee owned/licensed application, provided such apps: (a) are only used by an individual to support one or more of the following self service functions on behalf of himself or herself (predefined reports, travel planning, expense reporting, procurement, room reservation, employee time, employee attendance, employee records maintenance, employee directory, employee benefits, employee appraisals, employee talent and skills profiles) (the "Self Service Functions"); and (b) any interfacing of such apps with the Software and/or Third party Software licensed under the Software Contract is limited to the extent necessary to support the Self Service Functions. Important Notice: The Use of Productivity Apps may require licenses for Netweaver Foundation for Third Party Applications. A direct access to a database (including but not limited to Oracle and/or Microsoft databases) or the information contained therein may require Full Use licenses for that database. It is Licensee's responsibility to secure all appropriate rights from any applicable licensor(s).

5.22 SAP Master Data Governance, Edge edition

SAP Master Data Governance, Edge edition may be Used to govern up to 200,000 master data objects in any combinations of the following domains: Financials, Supplier, Customers, Product, or Consumers.

5.23 SAP NetWeaver OpenHub, Edge edition.

With this license, data may be exported out of the licensed SAP NetWeaver BW into no more than two non-SAP software applications in an asynchronous, non real-time manner. Once data is asynchronously extracted to non-SAP software, there are no additional license fees required for SAP Software or SAP Named Users. For the purposes of this Section, "asynchronous extraction" means downloading data in bulk (i.e., not in response to a real-time Named User or system-generated reporting query) for analytical purposes.

6 SBOP Packages: SAP BusinessObjects Business Intelligence (BI), SAP Enterprise Information Management (EIM), SAP Governance, Risk and Compliance (GRC), and SAP Enterprise Performance Management (EPM)

Licensee may extract data from any data source into SBOP Packages and/or push data out of SBOP Packages into any data source provided Licensee has secured an appropriate license for all such data source(s) (albeit an additional SAP Named User license will not be required solely for the one-way extraction of data into SBOP where the data source is SAP Software and/or third party software licensed from SAP).

6.1 SAP BusinessObjects Business Intelligence Solutions

6.1.1 *SAP BusinessObjects Business Intelligence*

There are two ways to license SAP BusinessObjects Business Intelligence server functionality:

- (1) SAP BusinessObjects Business Intelligence Suite ("BI Suite") includes the SAP BusinessObjects BI Platform along with the following engines: the Business Intelligence Mobile Add-on, SAP BusinessObjects Crystal Reports, SAP BusinessObjects Web Intelligence, SAP BusinessObjects Dashboards, SAP BusinessObjects Design Studio, SAP BusinessObjects Explorer, SAP BusinessObjects Analysis edition for Microsoft Office, SAP Lumira desktop edition), SAP Lumira Server version for SAP BusinessObjects BI Platform and SAP BusinessObjects Analysis edition for OLAP. The BI Suite Package engines include rights to view and author content for the BI clients identified above subject to the "Concurrent Session Limitations" below. The BI Suite Package includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK ("BI SDK") solely for the purposes of accessing semantic data. BI SDK is

not available for use by third party products without an explicit agreement between SAP and the third party.. The BI Suite includes the following Runtime Software: (i) SAP IQ which can be deployed on multiple instances, so long as total number of cores deployed across all instances does not exceed 8 cores and (ii) Data Integrator (DI) which may be deployed on multiple instances, so long as total number of cores deployed across all instances does not exceed 8 Cores, and the DI instances are not clustered, (iii) SAP HANA Runtime Database for Lumira Server and (iv) one (1) Concurrent Session license of SAP PowerDesigner DataArchitect, Edge edition.

Use of the Data Integrator runtime (i) does not include Text Data Processing and (ii) is limited to connection to and leverage of any existing CMS repositories residing on a separate server in the customer's landscape but may only load data into one target datastore.

Use of SAP IQ Runtime Software is limited to access by and through SAP BusinessObjects BI Suite and SAP Predictive Analytics

SAP HANA Runtime Database for Lumira Server is included as a runtime database for Use solely in conjunction with Licensee's Use with specific components of the SAP BI Suite. Use of HANA Runtime is limited to (i) Use of the SAP BusinessObjects Design Studio runtime for SAP HANA and (ii) Use as a Central Management System database and audit database by the BI Platform. SAP HANA Runtime Database for Lumira Server cannot be used as a general purpose database, data mart, or data warehouse solution..

- (2) SAP BusinessObjects BI Reporting ("BI Reporting") includes the SAP BusinessObjects BI platform along with the Crystal Reports engine and the Web Intelligence engine. The engines include rights to view and author content for the BI clients identified above, subject to the "Concurrent Session Limitations" below. The BI Reporting includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK ("BI SDK") solely for the purposes of accessing semantic data. BI SDK is not available for use by third party products without an explicit agreement between SAP and the third party.

For a single Deployment of SAP BusinessObjects BI platform, either the SAP BusinessObjects Business Intelligence Suite model or the BI Reporting model must be used. They cannot both be used in a single Deployment of SAP BusinessObjects BI platform.

Both the SAP BusinessObjects Business Intelligence Suite and the BI Reporting models can be licensed using either the Concurrent Session license metric or the Named User (NUL) license metric.

Both the SAP BusinessObjects Business Intelligence Suite and the BI Reporting models include access to SAP Application data and SAP BW data in all supported metrics.

Named User Limitations. There is no license limit on number of processors or servers used. Named users are identified at logon and do not consume a Concurrent Session license. Concurrent Session licenses and Named Users licenses can be purchased in combination for a deployment. Licensee may not utilize any program or system to cache or queue report requests. SAP Business Objects, Business Intelligence users may be entered into the SAP NetWeaver BW system for the purposes of maintaining security. The implementation of this metric does not replace the overall SAP Named User licensing requirement. One named user can create a maximum of 10 simultaneous sessions.

Concurrent Session Limitations. Certain functions of the SAP BusinessObjects BI portfolio that are deployed on a desktop or outside of the SAP BusinessObjects BI Platform are only supported with a NUL, not with a Concurrent Session license. The following such Use rights are not available with Concurrent Session licenses.

- *SAP BusinessObjects BI Suite, SAP BusinessObjects BI Suite, analytics edition, SAP BusinessObjects BI Platform, SAP BusinessObjects BI Platform, analytics edition: Use of Business View Manager, Report Conversion Tool, Universe Design Tool, Web Service Query Tool, Information Design Tool, Translation Management Tool, Data Federation Administration Tool, Central Management Console, and/or Central Configuration Manager*
- *SAP Crystal Reports: Use of the Crystal Reports desktop client, and/or Crystal Reports for HANA Enterprise desktop client.*
- *SAP BusinessObjects Web Intelligence: Use of the Web Intelligence Rich Client*
- *SAP BusinessObjects Dashboards: Use of the Dashboards desktop client.*
- *SAP Lumira desktop edition: Use of the SAP Lumira desktop client*
- *SAP BusinessObjects Design Studio: Use of the SAP BusinessObjects Design Studio desktop client, SAP BusinessObjects, Design Studio runtime for BW and/or SAP BusinessObjects Design Studio runtime for SAP HANA*
- *SAP BusinessObjects Analysis edition for Microsoft Office: Use of Analysis edition for Microsoft Office with the SAP NetWeaver platform*

Oracle OLAP Data Provider for SAP BusinessObjects BI (OODP). Licensee's license rights for the BI Suite or BO Reporting include a runtime license for the OODP. Licensee's Use of the OODP Runtime Software is limited solely to connecting SAP BusinessObjects BI software both directly and indirectly to Oracle OLAP Data. It cannot be used to provide data to non-SAP products or those outside the BI and Predictive Analytics portfolio.

SQL Anywhere. Licensee's license rights for the BI Suite or BO Reporting include a runtime license for the SQL Anywhere database. Licensee's use of the SQL Anywhere software is limited solely to its use by the SAP BusinessObjects BI Platform.

6.1.1.1 *SAP BusinessObjects BI Suite, public document*

Usage of desktop tools are not permitted under this license. Usage of features that modify the structure of the data set including (but not limited to) the Web Intelligence Query Panel, and Lumira Prepare tab are not permitted under this license. This license must be used in a separate Deployment from all other license models. No security can be put on the document – it must be completely public. All public document access in a given deployment must be funneled through the included Named User BI Suite license.

6.1.2 *SAP BusinessObjects Dashboards*

“Connected Presentation” means any SWF file created with SAP BusinessObjects Dashboards that refreshes, or otherwise changes the data contained in such SWF file (or SWF file exported to other supported file formats (e.g., PDF, AIR, PPT)),

Connected Presentations may be used only for Licensees internal business purposes and not pursuant to a commercial sale, rental, or lease of the Connected Presentations (whether alone or in combination with another program or product).

6.1.3 *SAP IT Operations Analytics*

SAP IT Operations Analytics includes a limited runtime license for SAP HANA Smart Data Streaming Option to be used only in conjunction with SAP IT Operations Analytics.

6.1.4 *SAP Predictive Analytics*

Licensee may extract data from any data source into the licensed SAP Predictive Analytics component(s) and/or push data out of the licensed SAP Predictive Analytics component(s) into any licensed data source. An additional SAP Named User license will not be required solely for the one-way extraction of data into the licensed SAP Predictive Analytics component(s) where the data source is SAP Software and/or Third Party Software licensed from SAP. SAP Predictive Analytics Suites for HANA includes 1 User of Predictive Analytics Modeler regardless of number of GB of memory.

6.1.4.1 *SAP Predictive Analytics Suite for non-HANA*

This edition of SAP Predictive Analytics Suite is not licensed for Use with SAP HANA Base, Platform and/or Enterprise Edition. SAP Predictive Analytics Suites for non-HANA includes 1 User of Predictive Analytics Modeler regardless of number of cores licensed.

6.1.5 *SAP Enterprise Information Management Solutions*

6.1.5.1 *SAP Enterprise Information Management (EIM) Packages*

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in the EIM packages may be installed and Used. Directories are not included and must be licensed separately.

6.1.6 *SAP Data Services, SAP Data Integrator, SAP Data Quality Management and SAP Agile Data Preparation software*

Directories are not included and must be licensed separately.

6.1.6.1 *SAP Data Services*

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Data Services may be installed and Used. Data Services includes a restricted runtime license for 4 Core licenses of SAP Information Steward as Runtime Software. Use of such SAP Information Steward Runtime Software is limited to Cleansing Package Builder and the Basic and Advanced Profiling capabilities. These profiling capabilities do not include the ability to write data quality rules and create scorecards in SAP Information Steward, Edge edition.

6.1.6.2 *SAP Data Quality Management (“DQM”) SDK*

A license to Data Quality Management SDK may be acquired in two configurations as follows: (1) a stand-alone or non-bundled configuration (“DQM SDK Non-Bundled Configuration”) and (2) bundled with Core Metric licenses to Data Services and/or DQM Premium (“DQM SDK Bundled Configuration”). If acquired in the DQM SDK Non-Bundled Configuration, then a license to DQM SDK is provided as a Server License. If acquired in the DQM SDK Bundled Configuration, then licenses to DQM SDK are included as part of the Core Metric licenses of Data Services and/or DQM Premium licensed by Licensee, such that a subset of the number of such Core licenses licensed by Licensee may be used to solely run DQM SDK, provided that the aggregate number of licenses deployed for DQM SDK and Data Services and DQM Premium must not exceed the total of Data Services and DQM Premium licenses acquired. For example, if Licensee has in the aggregate licensed six Core licenses of Data Services and/or DQM Premium, then Licensee may use two Core licenses to run DQM SDK and the remaining 4 Core licenses to run Data Services and/or DQM Premium; or Licensee may use three Core licenses to run DQM SDK and the remaining 3 Core licenses to run Data Services and/or DQM Premium; or Licensee may use all six Core licenses to run DQM SDK.

6.1.6.3 *SAP Information Steward*

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Information Steward may be installed and Used.

6.1.6.4 SAP Data Services, enterprise edition

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Data Services, enterprise edition may be installed and Used, excluding SAP PowerDesigner EnterpriseArchitect which does not count against total Cores. SAP Data Services, enterprise edition includes ten (10) Concurrent Sessions of SAP PowerDesigner EnterpriseArchitect.

6.1.6.5 SAP Data Integrator, premium edition

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP DataIntegrator, premium edition may be installed and Used, excluding SAP PowerDesigner EnterpriseArchitect which does not count against total Cores. SAP Data Integrator, premium edition includes five (5) Concurrent Sessions of SAP PowerDesigner EnterpriseArchitect. 6.1.7 SAP Enterprise Performance Management

The Enterprise Performance Management Professional Edition Packages (“EPM Professional Ed.”) include the following:

- SAP Business Planning & Consolidation, Version for Microsoft Platform, Professional Edition;
- SAP Business Planning & Consolidation, Version for SAP NetWeaver, Professional Edition;
- SAP Business Planning & Consolidation, License For Business Planning Only, Version for Microsoft Platform, Professional Edition;
- SAP Business Planning & Consolidation, License For Business Planning Only, Version for SAP NetWeaver, Professional Edition;
- SAP Business Planning & Consolidation, License For Consolidation Only, Version SAP NetWeaver, Professional Edition;
- SAP Strategy Management, Professional Edition;
- SAP Financial Information Management, Professional Edition;
- SAP Financial Consolidation, Professional Edition;
- SAP Profitability and Cost Management, Professional Edition;
- SAP Disclosure Management, Professional Edition;

The Enterprise Performance Management Standard Edition Packages (“EPM Standard Ed.”) includes the following:

- SAP Business Planning & Consolidation, Version for Microsoft Platform, Standard Edition
- SAP Business Planning & Consolidation, Version for SAP NetWeaver, Standard Edition
- SAP Business Planning & Consolidation, License for Business Planning Only, Version for Microsoft Platform, Standard Edition
- SAP Business Planning & Consolidation, License for Business Planning Only, Version for SAP NetWeaver, Standard Edition
- SAP Business Planning & Consolidation, License for Consolidation Only, Version for SAP NetWeaver, Standard Edition
- SAP Strategy Management, Standard Edition
- SAP Financial Information Management, Standard Edition
- SAP Financial Consolidation, Standard Edition
- SAP Profitability and Cost Management, Standard Edition
- SAP Disclosure Management, Standard Edition

Any individual consuming data extracted from an EPM Professional Ed. or EPM Standard Ed. package for the purpose of offline analysis or viewing reports in another SAP Software or 3rd party reporting and analysis applications requires a license for the EPM Professional Ed. or EPM Standard Ed. depending on which of the packages originally created that data.

The EPM Standard Ed. and EPM Professional Ed. include the following Runtime Software: (i) SAP BusinessObjects Business Intelligence Platform which is limited to use of the following: (a) use of the Central Management Server (“CMS”) to authenticate and/or authorize users for the applications; (b) use of the Central Management Console (“CMC”) to administer user rights and privileges as they pertain to the applications.

EPM Standard Ed. Use is limited to (i) direct input and/or editing of quantitative and qualitative data into the application; (ii) execution of existing reports or creation of reports on existing data structures; (iii) execution of changes to workflow tasks; and (iv) viewing data, except that users accessing the package through an interface are limited to viewing data only. Consolidation

functionality is limited to running controls on data submitted by Licensed users. Planning functionality is limited to performing planning tasks only on existing models.

6.1.8

6.1.8.1 *SAP Financial Consolidation.* Use of SAP BusinessObjects BI Platform included with SAP Financial Consolidation is limited solely to the following features: (a) use of the Central Management Server (“CMS”) to authenticate and/or authorize users for the applications listed above; (b) use of the Central Management Console (“CMC”) to administer user rights and privileges as they pertain to the application and (c) use of Infoview to navigate and launch Analyzer workspaces. SAP Financial Consolidation includes a limited runtime license for SAP Intercompany to be used only in conjunction with SAP Financial Consolidation.

6.1.8.2 *SAP Business Planning and Consolidation.* SAP Business Planning and Consolidation includes a limited runtime license for SAP Intercompany to be used only in conjunction with SAP Business Planning and Consolidation.

6.1.8.3 *SAP Business Planning and Consolidation, License for Consolidation Only.* SAP Business Planning and Consolidation, License for Consolidation Only includes a limited runtime license for SAP Intercompany to be used only in conjunction with SAP Business Planning and Consolidation, License for Consolidation Only. SAP Business Planning and Consolidation, License for Consolidation Only may be used solely for the calculation and reporting of the consolidated financial results of a group of companies or for separate financial statement reporting where the application is being used to calculate and report investments at equity, applying generally accepted accounting concepts related to accounting for business combinations and / or equity accounting for investments. For the avoidance of doubt, the creation and calculation of budget, plan, or forecast data (forward-looking data) is not permitted.

6.1.8.4 *SAP Business Planning and Consolidation, license for Business Planning Only.* SAP Business Planning and Consolidation, license for Business Planning Only may be used solely for the creation and calculation of budget, plan, or forecast data (forward looking data). For the avoidance of doubt, the calculation and reporting of the consolidated financial results of a group of companies or for separate financial statement reporting where the application is being used to calculate and report investments at equity, applying generally accepted accounting concepts related to accounting for business combinations and / or equity accounting for investments is not permitted.

6.1.8.5 *SAP Disclosure Management, XBRL reporting add-on.* Licensee may Use SAP Disclosure Management, XBRL reporting add-on for CoRep, SAP Disclosure Management, XBRL reporting add-on for FinRep, and/or SAP Disclosure Management, XBRL reporting add-on for Solvency II Pillar 3 solely in conjunction with the applicable European Union Regulations.

6.1.9 *SAP Financial Information Management*

When licensing SAP Financial Information Management, SAP Data Integrator may be Used:

- solely with certain licensed SAP BusinessObjects solutions for SME, SAP analytic applications, SAP NetWeaver BW and SAP EPM On-Demand , together with certain licensed SAP EPM applications, which is specified and used in accordance with the Documentation; and
- solely for use with SAP Financial Information Management.

SAP Financial Information Management is to be licensed whenever data integration with third party systems is required.

Limited functionality of Financial Information Management for which Licensee does not hold a license (“FIM Runtime Software”) may be utilized by certain licensed SAP Software as described in the Documentation. Until Licensee has expressly licensed the FIM Runtime Software, Licensee’s use of the FIM Runtime Software is limited to access by and through the licensed SAP Software for the sole purpose of enabling performance of the licensed SAP Software and integrating data from licensed SAP Software as specified in the Documentation.

6.1.10 *SAP Governance, Risk and Compliance Solutions.*

The following SAP Governance, Risk and Compliance (GRC) solutions include 10 Users of each of the Following Runtime Software:

(i) SAP BusinessObjects BI Platform, (ii) SAP Crystal Reports, (iii) SAP BusinessObjects Dashboards, (iv) SAP BusinessObjects Web Intelligence and (v) SAP Lumira desktop edition. Use of such Runtime Software is limited solely with GRC application data.

- SAP Process Control
- SAP Risk Management
- SAP Enterprise Risk and Compliance Management, risk management
- SAP GTS
- SAP Electronic Invoicing f. Brazil (NFE - Inbound)
- SAP Electronic Invoicing f. Brazil (NFE - Outbound)

The following SAP Governance, Risk and Compliance (GRC) solutions include the following Runtime Software: (i) SAP Crystal Reports, (ii) SAP BusinessObjects Dashboards and (iii) SAP Lumira desktop edition. Use of such Runtime Software is limited solely with GRC application data.

- SAP Access Control
- SAP Access Control, starter edition

The following SAP Governance, Risk and Compliance (GRC) solutions include 10 Users of the following Runtime Software: (i) SAP Lumira desktop edition. Use of such Runtime Software is limited solely with GRC application data.

- SAP Identity Management

6.1.10.1 When licensing SAP Process Control or SAP Risk Management, Licensee's employees and/or third parties who only receive policy distributions and respond to policy surveys, quizzes, and/or acknowledgements do not require licenses for the Software provided that such responses do not activate processing capabilities of the Software. For avoidance of doubt, such access does not include creating, reviewing, approving, or issuing these policies or related policy surveys, nor does it allow review of responses.

6.1.10.2 When licensing SAP Audit Management Licensee need not license for Licensee's employees and/or third parties who only receive audit announcements, findings, actions, and/or notifications licenses for the Software. For avoidance of doubt, such access does not include creating, reviewing, approving, or issuing these announcements, findings, actions, or notifications, nor does it allow closure of responses.

6.1.10.3 *SAP Access Control, starter edition*

Use of SAP Access Control, starter edition is limited to the measuring, monitoring and reporting of access risks; and administering and reporting of superuser access.

6.1.10.4 *SAP Global Trade Services Export For Midsize Companies*

Use of SAP Global Trade Services Export For Midsize Companies is limited to a maximum of three (3) countries involved overall in exporting to and from.

6.1.10.5 *SAP Electronic Invoicing for Brazil (Nota Fiscal Electronica)*

SAP Electronic Invoicing for Brazil – Outbound and Inbound (Nota Fiscal Electronica – Outbound or Inbound) includes a runtime license SAP PI.

6.1.11 *SAP BusinessObjects solutions for SME*

6.1.11.1 *SAP Data Services Edge edition, SAP Data Integrator Edge edition, and SAP Data Quality Management Edge edition (Edge EIM Solutions)*

The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Data Services Edge edition may be installed and Used Directories are not included in any of the Edge EIM Solutions and must be licensed separately. Each deployment of any of the Edge SAP EIM Solutions is limited to a single server, with a minimum of 4 Cores and a maximum of 8 Cores.

6.1.11.2 *SAP Planning and Consolidation Edge edition*

The licensing of the SAP Planning and Consolidation Edge edition is restricted to 70 users maximum on a maximum deployment of a single application server.

6.1.11.3 *SAP BusinessObjects BI, Edge edition (BI Edge)*

Each Deployment of SAP BusinessObjects BI, Edge edition (BI Edge) has maximum limits of 100 named users and 50 Concurrent Sessions on a single server. The license includes the following Runtime Software: (i) SAP IQ and (ii) Data,Integrator both of which may be deployed on the same server as the SAP BI Edge platform, or on a separate server up to a maximum of eight (8) cores in the case of SAP IQ or a maximum of eight (8) Cores in the case of Data Integrator, and (iii) one (1) Concurrent Session license of SAP PowerDesigner DataArchitect Edge Edition.

Use of the Data Integrator runtime (i) does not include Text Data Processing and (ii) is limited to connection to and leverage of any existing CMS repositories residing on a separate server in the customer's landscape but may only load data into one target datastore.

Use of SAP IQ Runtime Software is limited to access by and through the SAP BI Edge platform and SAP Predictive Analytics.

Certain functions of BI Edge are only supported with a NUL, not with a Concurrent Session license (refer to "Concurrent Session Limitations" in 6.1.1). SAP BusinessObjects BI, Edge edition includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK ("BI SDK") solely for the purposes of accessing semantic data.

6.1.11.4 *SAP Lumira, Edge edition*

Each deployment of SAP Lumira, Edge edition has maximum limits of 100 named users and 50 Concurrent Sessions. When deployed with SAP Business Objects, BI Edge edition (if licensed separately by the Licensee). SAP Business Objects, BI Edge edition can be installed on separate servers solely for the purpose of using with SAP Lumira, Edge edition. Additionally, the number of licensed users of SAP Lumira, Edge edition must match both the number and type of users of SAP Business Objects, BI Edge edition.

6.1.11.5 *SAP hybris B2C Commerce Suite - Revenue, Edge edition, SAP hybris B2B Commerce Suite - Revenue, Edge edition*

Use of SAP hybris B2C Commerce Suite or SAP hybris B2B Commerce Suite, Edge Edition is limited to: one cluster environment (no more than two application servers and no more than one database in such cluster) and one Web Presence

6.1.12 *SAP analytic solutions*

Limited License: Use of the SAP analytic solution (“BA Solutions”), and any SAP software licensed as part of the BA Solution (“BA software”), is limited to the BA Solution specific purpose (“Purpose”).

BA software: SAP may offer BA software contained in the BA Solution also as a separate SAP software product on the SAP list of prices and conditions. Terms and conditions for, and functionality of BA Software may be different from the separate SAP software product. Additional functionality of such SAP software product may be subject to a separate Software Agreement and additional license fees.

6.1.13 SAP Knowledge Accelerator

SAP Knowledge Acceleration may be used to meet Licensee’s employee training needs and may not be used by or on behalf of any third party. Notwithstanding any other provision of the Training Schedule, NULs of Knowledge Acceleration may not be transferred to other individuals, even if the original user is no longer permitted access to Knowledge Acceleration. If an individual is no longer employed by Licensee, Licensee may transfer such individual’s NUL to another user.

6.1.14 *SAP Lumira, standard edition.* Licensee cannot use SAP Lumira standard edition to access data in SAP applications, with the exception of accessing data in SAP HANA and SAP Business One.

6.1.15 *SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK (“BI SDK”)*

BI SDK requires SAP BusinessObjects BI version 4.1 SP2 or later.

Semantic Data Transfer and Persistence. This Section describes certain limitations to the transfer of semantic data, and the persistence of semantic data being transferred, from the BI SDK.

- a. Any resolution of a BusinessObjects Universe query, with the limited exception of caching, must connect to a BusinessObjects Universe at runtime. A temporary cache is permitted for the sole purpose of improving the query performance of the Semantic Layer Web Service SDK implementation if the application does so temporarily, securely, and in a manner that does not permit use of the data or metadata outside of the application directly connecting to the Semantic Layer Web Services SDK.
- b. In enabling support for universes, use of the BI SDK interfaces is prohibited for any of the following purposes: (i) to crawl or index the BI SDK (or any data or metadata contained therein or managed thereby), (ii) the mass data and/or metadata extraction from the BI SDK to another product to create a new system of record for such data or metadata, or (iii) bypass or circumvent SAP’s license restrictions or provide customers with access to the SAP BusinessObjects Universe Consumption for which such customers are not licensed.
- c. Subject to Section (b) above, a user may develop and use any of the BI SDK interfaces for the purpose of extracting and caching SAP Semantic Product data or metadata.

Any product or solution using data retrieved from the BI SDK must open and maintain a valid SAP BusinessObjects BI session when connecting to the BI SDK and when connecting to a cache of the results from the BI SDK, similar to as if the user product had connected directly to the BI SDK. APIs that enable third party products to open and close a BI session are available in SAP’s BI Platform SDK.

6.2 **SAP BusinessObjects (Classic Solutions Model)**

6.2.1 SAP BusinessObjects Enterprise

6.2.1.1 *Dashboard Builder.* The software components, tools and utilities supplied with Dashboard Builder may only be used with the product with which they were provided. In addition, the Web Intelligence utilities provided with Dashboard Builder may only be used to view the analytic templates provided with Dashboard Builder.

6.2.1.2 *SAP BusinessObjects Enterprise.* Licensee may not combine licenses for different editions of BusinessObjects Enterprise in a single Deployment (for example, BusinessObjects Enterprise Premium licenses may not be combined with BusinessObjects Enterprise Professional licenses in the same Deployment). Licensee may use BusinessObjects Enterprise Professional to publish and distribute only one of SAP BusinessObjects’ proprietary report format types (Crystal Reports, Web Intelligence/Desktop Intelligence/BusinessObjects/Voyager). Web Intelligence and Desktop Intelligence are deemed a single proprietary report format for this purpose. If Licensee wishes to publish and distribute more than one report format type, BusinessObjects Enterprise Premium must be licensed. Notwithstanding the foregoing, if Licensee migrates from a combined BusinessObjects and Web Intelligence Deployment to BusinessObjects Enterprise, Licensee may use both BusinessObjects and Web Intelligence report types in that Deployment. SAP BusinessObjects Enterprise includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK (“BI SDK”) solely for the purposes of accessing semantic data.

6.2.1.3 *SAP BusinessObjects Product Options.* Options for BusinessObjects Enterprise Professional, Crystal Enterprise Professional, and Crystal Reports Server (collectively, “Underlying Application”) are licensed as add-ons to a Deployment. Options may include Crystal Reports Explorer, Auditing, Publishing, Live Office, Integration Kits for third party applications and other products designated as Options for an Underlying Application. If both the Underlying Application and the Options are licensed on a CPU metric, the number and type of Option licenses must match the number and type of the Underlying Application licenses in the Deployment in which the Options are used

6.2.1.4 *SAP BusinessObjects Web Intelligence Interactive Viewing.* Keycodes to Web Intelligence Interactive Viewing unlock all features of the full Web Intelligence product. However, Web Intelligence Interactive Viewing is a limited license and may not be utilized to edit or create documents.

- 6.2.2 SAP BusinessObjects BI Package. SAP BusinessObjects BI Package includes a restricted license of SAP BusinessObjects Information Steward. Use of the SAP BusinessObjects Information Steward is limited to the Metadata Management and Metapedia functionality.
- 6.2.3 SAP BusinessObjects BI Starter Package. The licensing of the SAP BusinessObjects BI starter package is restricted to maximum of 100 users maximum on a single server.
- 6.2.4 Dashboard and Visualization
- 6.2.4.1 SAP® BusinessObjects™ Dashboards software.
- If Licensee refreshes, publishes, pushes or otherwise changes data contained in any Dashboards generated SWF file (or SWF file exported to other supported file formats (e.g., PDF, AIR, PPT)), a Viewing License must be licensed for each user that can view the Dashboard. Dashboard viewing is included with and matches the Named User Licenses (“NUL”) of SAP Crystal Server and BusinessObjects BI Edge edition. Dashboard viewing is included with Dashboard Design but limited to SWF files with a maximum of two connections.
- 6.2.5 SAP BusinessObjects Enterprise Information Management Solutions
- 6.2.5.1 SAP BusinessObjects Data Services, SAP BusinessObjects Data Integrator, and SAP BusinessObjects Data Quality Management software.
- If Licensee wants to deploy a SAP BusinessObjects Data Services, SAP BusinessObjects Data Integrator, or SAP BusinessObjects Data Quality Management License to access enterprise data sources such as packaged applications, databases, or technology infrastructure products, Licensee must obtain individual interface licenses such as Application Interface, Database Interface, JMS Technology Interface, or Salesforce.com Technology Interface. Address directories are not included and must be licensed separately.
- 6.2.5.2 SAP BusinessObjects Data Services. The following is included in each license of the SAP BusinessObjects Data Services:
- Five Named Users of SAP BusinessObjects Data Insight (except for licenses bundled or otherwise provided in combination with or for use with a third party product)
 - Runtime license for 2 CPU licenses of SAP BusinessObjects Information Steward. The Use of the BusinessObjects Information Steward is limited to Cleansing Package Builder and the Basic and Advanced Profiling capabilities that are contained in Data Insight.
 - One license of each of Real Time Transactional Processing, Data Source Web Service Access, Multi-user Team Development and Grid Computing
 - Database Interface licenses to an uncapped number of Types of databases
 - Salesforce.com Technology Interface
 - JMS Technology Interface
- 6.2.6 SAP BusinessObjects Data Integrator
- 6.2.6.1 SAP BusinessObjects Data Integrator Starter. Each license of the Software includes one Database Interface license.
- 6.2.6.2 SAP BusinessObjects Data Integrator Professional. Each license of the Software includes two Database Interface licenses.
- 6.2.6.3 SAP BusinessObjects Data Integrator Premium. Each license of the Software includes one license of each of Real Time Transactional Processing, Data Source Web Service Access, Multi-user Team Development, Grid Computing, Salesforce.com Technology Interface, JMS Technology Interface; and Database Interface licenses to an uncapped number of database Types.
- 6.2.7 SAP BusinessObjects Data Quality Management (“DQM”)
- 6.2.7.1 SAP BusinessObjects eData Quality (“eDQ”) Management. Licensee may Use SAP BusinessObjects eDQ Management for transactional or real-time environments only. Each license of the Software includes one license of SAP BusinessObjects DQM, cleansing package option for one language.
- 6.2.7.2 SAP BusinessObjects Data Quality Management Professional. Each license of the Software includes one Database Interface license and one license of SAP BusinessObjects DQM, cleansing package option for one language.
- 6.2.7.3 SAP BusinessObjects Data Quality Management Premium. Each license of the Software includes:
- Five Named Users of SAP BusinessObjects Data Insight (except for licenses bundled or otherwise provided in combination with or for use with a third party product)
 - Runtime license for 2 CPU licenses of SAP BusinessObjects Information Steward. The Use of the BusinessObjects Information Steward is limited to Cleansing Package Builder and the Basic and Advanced Profiling capabilities that are contained in Data Insight.
 - Two Database Interface licenses
 - One license of SAP BusinessObjects DQM, cleansing package option for one language
 - SAP BusinessObjects DQM, SDK
 - One license of each of Real Time Transactional Processing, Data Source Web Service Access, Multi-user Team Development and Grid Computing
- 6.2.7.4 Interface licenses. A prerequisite for any Application Interface, Database Interface or Technology Interface license is a Data Services, Data Integrator, or Data Quality Management license. Application Interface is licensed per application Instance. “Instance” means the Software may only be used for one unique connection to a specified application or technology. If multiple instances of an application are accessed by the Application Interface, then one Application Interface License must be acquired for each instance. Application Interface Unlimited, Database Interface, JMS Technology Interface and Salesforce.com Technology Interface are licensed per application, database or technology Type, as applicable. “Type” means an unlimited number of connections to the single, specified application, database or technology.

- 6.2.7.5 SAP BusinessObjects Data Quality Management SDK. A license to SAP BusinessObjects Data Quality Management SDK may be acquired in two configurations as follows: (1) a stand-alone or non-bundled configuration (“DQM SDK Non-Bundled Configuration”), and (2) bundled with CPU Metric licenses to Data Services and/or DQM Premium (“DQM SDK Bundled Configuration”). If acquired in the DQM SDK Non-Bundled Configuration, then a license to DQM SDK is provided as a Server License. If acquired in the DQM SDK Bundled Configuration, then licenses to DQM SDK are included as part of the CPU Metric licenses of Data Services and/or DQM Premium licensed by Licensee, such that a subset of the number of such CPU licenses licensed by Licensee may be Used to solely run DQM SDK, provided that the aggregate number of licenses deployed for DQM SDK and Data Services and DQM Premium must not exceed the total of Data Services and DQM Premium licenses acquired. For example, if Licensee has in the aggregate licensed six CPU licenses of Data Services and/or DQM Premium, then Licensee may Use two CPU licenses to run DQM SDK and the remaining 4 CPU licenses to run Data Services and/or DQM Premium; or Licensee may Use three CPU licenses to run DQM SDK and the remaining 3 CPU licenses to run Data Services and/or DQM Premium; or Licensee may Use all six CPU licenses to run DQM SDK.
- 6.2.7.6 SAP BusinessObjects Data Quality Management software, versions for use with SAP, Siebel or Informatica applications. When licensing SAP BusinessObjects Data Quality Management, version for SAP solutions, Siebel applications, or Informatica PowerCenter, the data quality functions must be Used solely with activities initiated within the SAP, Siebel, or Informatica application, respectively. When licensed this way, the Use of data quality functions for purposes outside the application it was licensed for is strictly prohibited. A separate license of SAP BusinessObjects Data Quality Management or SAP BusinessObjects Data Services must be licensed if the Use of data quality functions is required outside of the SAP, Siebel, or Informatica application. Deployment of this license means Licensee has the ability to spread the licensed number of CPU’s across a single or multiple servers as long as the total number of CPU’s Used across the servers add up to the amount of CPUs Licensee is licensed for. Grid computing licenses are not included and require to be licensed separately.
- 6.2.7.7 SAP BusinessObjects Rapid Marts Products. When licensing SAP BusinessObjects Rapid Marts, a license for SAP BusinessObjects Data Integrator or SAP Data Services must also be obtained. If SAP BusinessObjects Rapid Marts is licensed with SAP BusinessObjects Data Integrator or Data Services, an individual SAP BusinessObjects Rapid Marts license must be obtained for each SAP BusinessObjects Data Integrator or Data Services license. Copying one SAP BusinessObjects Rapid Marts license and then deploying it to other instances is prohibited. In addition to the foregoing, Licensee must license certain applicable Application Interfaces.
- 6.2.7.8 SAP BusinessObjects Metadata Management. Metadata Management comes with a limited use license of SAP BusinessObjects Enterprise. Licensee may use SAP BusinessObjects Enterprise only in conjunction with Metadata Management. Accessing data that is not specifically created or Used by Metadata Management is in violation of this license. Furthermore, Licensee may Use only the following features of SAP BusinessObjects Enterprise: (a) Central Management Server (“CMS”) for user or group authentication purposes and (b) Central Management Console for security related to user management and access to integrator sources, source groups, metapedia, utilities and managing and scheduling integrator source runs and utilities runs.
- 6.2.8 SAP BusinessObjects Explorer
- 6.2.8.1. Keycodes for Explorer used in conjunction with SAP BusinessObjects Enterprise Professional (for Enterprise Reporting) will unlock all features of the Web Intelligence product. Such Web Intelligence features may be used only by SAP BusinessObjects Explorer.
- 6.2.8.2 SAP Business Objects Explorer (Data Exploration Component). SAP BusinessObjects Explorer (Data Exploration Component) includes SAP BusinessObjects Data Integrator Premium and SAP BusinessObjects Enterprise. Licensee’s use is limited as follows:
- Data Integrator Premium and BusinessObjects Enterprise may only be used in conjunction with SAP BusinessObjects Explorer (Data Exploration Component).
 - Data Integrator Premium may not be installed on the same blade as the SAP NetWeaver BWA blade.
 - Data Integrator Premium may not be used for standalone ETL (extract, transform and load) projects.
 - Licensee is licensed to Use only the following features of SAP BusinessObjects Enterprise: (a) Central Management Console (CMC), (b) third party authentication, (c) exploration of BWA-based indexes with Explorer, (d) Central configuration Manager, and (e) Import Wizard.
- 6.2.9 SAP BusinessObjects solutions for SME
- 6.2.9.1 SAP BusinessObjects Edge BI (Edge BI). Edge BI licensed by SAP Named Users has a limit of 250 users per server. Edge BI includes publishing up to 1000 Recipients. Standalone Use of Edge BI standalone does not require SAP Application named users; when used with SAP ERP, the SAP Business Expert named user is not relevant and an SAP Professional named user is sufficient. Edge BI licensed as CAL (Concurrent Access License) through SAP BusinessObjects resellers shall not exceed 50 CALs in a single deployment. After Licensee acquired CAL packages from an SAP BusinessObjects reseller, Licensee may license add-on named user licenses of Edge BI in the same quantity as the number of CAL licensed. Edge BI includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK (“BI SDK”) solely for the purposes of accessing semantic data.
- 6.2.9.2 SAP BusinessObjects Edge BI, version with data management. SAP BusinessObjects Data Quality Professional and SAP BusinessObjects Data Integrator Starter delivered with SAP BusinessObjects Edge BI may only be deployed on a single server (up to 250 users) and must be deployed either (a) on the same server where the corresponding SAP BusinessObjects Edge BI product is deployed, or (b) on a separate server having up to two CPUs . SAP BusinessObjects Data Quality Professional and SAP BusinessObjects Data Integrator Starter may only be used in conjunction with SAP BusinessObjects Edge BI and may not be used on a stand-alone basis. Licensee shall only be permitted to use up to two database types under the database interfaces and shall only be permitted one target data store.
- 6.2.9.3 SAP BusinessObjects Edge BI, version with data integration. SAP BusinessObjects Data Integrator Starter delivered with SAP BusinessObjects Edge BI may only be deployed on a single server (up to 250 users) and must be deployed either (a) on the same server where the corresponding SAP BusinessObjects Edge Series product is deployed, or (b) on a separate server having up to two CPUs. SAP BusinessObjects Edge BI, version with data integration and SAP BusinessObjects Data Integrator Starter may only be used in conjunction with SAP BusinessObjects Edge BI and may not be used on a stand-alone basis.

Licensee shall only be permitted to use up to two database types under the database interfaces and shall only be permitted one target datastore. When SAP BusinessObjects Data Integrator Starter is used with SAP BusinessObjects Edge Rapid Marts it may be deployed on a server with up to 4 CPUs.

7 SAP Crystal

7.1 Use Rights for All BA&T-SAP Crystal Products

7.1.1 Definitions

7.1.1.1 "SAP Crystal software" is defined to be the following products: SAP Crystal Reports, SAP Crystal Server, SAP Crystal Reports Server, SAP Crystal Dashboard Design, SAP Crystal Presentation Design, SAP Crystal Interactive Analysis, and Xcelsius Engage Server.

7.1.1.2 "Desktop SAP Crystal software" is defined to be all SAP Crystal products except for SAP Crystal Server and SAP Crystal Reports Server.

7.1.1.3 "Connected Presentation" means any SWF file created with SAP Crystal Dashboard Design personal edition, SAP Crystal Dashboard Design departmental edition, or Xcelsius Engage Server that refresh, publish, push or otherwise change data contained in such SWF file (or SWF file exported to other supported file formats (e.g., PDF, AIR, PPT)),

7.1.1.4 "Self Contained Presentation" means any SWF file created with SAP Crystal Presentation Design, SAP Crystal Dashboard Design personal edition, SAP Crystal Dashboard Design departmental edition, or Xcelsius Engage Server that does not refresh, publish, push or otherwise change data contained in such SWF file (or SWF file exported to other supported file formats (e.g., PDF, AIR, PPT)).

7.1.2 SAP Crystal Software Usage. Licensee may use SAP Crystal software to deliver training and consulting services for such SAP Crystal software, provided that each individual receiving the benefits of the training or consulting services has acquired a license separately to use the applicable SAP Crystal Software.

7.1.3 Desktop SAP Crystal Software Usage. With the exception of Connected Presentations, and subject to Section 7.2.8, Licensee may distribute the output files (e.g. PDF, SWF, XLF, WID or RPT file format) generated by the Desktop SAP Crystal software to third parties provided that Licensee complies with the following requirements:

- (a) the output files reside outside of the Software and do not Use the Software;
- (b) Licensee remains solely responsible for support, technical or other assistance, required or requested by anyone receiving such output files;
- (c) Licensee does not use the name, logo, or trademark of Licensor, or the Software, without prior written permission from SAP;
- (d) Licensee will defend, indemnify and hold SAP harmless against any claims or liabilities arising out of the use, reproduction or distribution of output files;
- (e) Licensee shall secure the end user's ("End User") consent to terms substantially similar to the terms set forth in Section 7.2.7.

7.1.4 Training Workstation License for Desktop SAP Crystal software. When Desktop SAP Crystal software is used on a workstation that is used exclusively for training, the license applies to the workstation and not the named user using the Software. One license is required per training workstation.

7.1.5 Use of Screenshots and wordmarks for SAP Crystal software. Licensee may reproduce and distribute screen shots and wordmarks for SAP Crystal software in documents or media provided that:

- a) The document or media isn't for commercial training material or third party training material and/or for-profit training material.
- b) Licensee's use may not be obscene or pornographic, and Licensee may not be disparaging, defamatory, or libelous to SAP, any of its software, or any other person or entity.
- c) Licensee's use may not directly or indirectly imply SAP sponsorship, affiliation, or endorsement of Licensee's product or service.
- d) Licensee may not use the screen shot in a comparative advertisement
- e) Licensee may not alter the screen shot in any way except to resize or crop the screen shot.
- f) Licensee may not include portions of a screen shot in other product user interface.
- g) Licensee may not use screen shots that contain third-party content unless Licensee has obtained the express permission from the third-party.
- h) Licensee must include the following copyright attribution statement: "SAP product screen shot(s) reprinted with permission from SAP."
- i) If Licensee's use includes references to a SAP Software, Licensee must use the full name of the Software.
- j) Licensee may not use a screen shot that contains an image of an identifiable individual unless Licensee has obtained permission from the individual.

7.2 SAP Crystal Reports runtime product

7.2.1 Scope. This section applies to the runtime product included in SAP Crystal Reports 2008, Crystal Reports XI, SAP Crystal Reports for Visual Studio 2010, and SAP Crystal Reports for Eclipse.

7.2.2 Definitions

- 7.2.2.1 “*Client Application*” means an application developed by Licensee that a) utilizes the Runtime Product, b) is installed fully on an end user’s machine, with all report processing local to that machine, and c) adds significant and primary functionality to the Runtime Product.
- 7.2.2.2 “*Internal Installation*” or “*Internally Install*” means installing into production Client Applications and/or Server Applications on one or more computers within Licensee’s company or organization only in connection with Licensee’s internal business purposes.
- 7.2.2.3 “*Distribution*” or “*Distribute*” means selling, leasing, licensing or redistributing Client Applications and/or Server Applications to third party end users external to Licensee’s company or organization.
- 7.2.2.4 “*Runtime Product*” means the version specific files and application program interfaces (APIs) specified in the RUNTIME.TXT file provided with SAP Crystal Reports 2008, SAP Crystal Reports for Eclipse 2.0, and SAP Crystal Reports for Visual Studio 2010.
- 7.2.2.5 “*Server Application*” means an application developed by Licensee that a) utilizes the Runtime Product, b) allows more than one user to Use the Runtime Product through any middle tier application(s), and c) adds significant and primary functionality to the Runtime Product. A Client Application installed in a Windows terminal server environment (e.g. Citrix or Microsoft Remote Desktop Platform) is a Server Application.
- 7.2.3 Usage. Licensee may install and use a single copy of the Runtime Product to develop Client Applications and Server Applications. The Distribution and Internal Installation terms and conditions differ based on the type of applications Licensee develops, as described in the following sections.
- 7.2.4 Internal Installation of Client Applications and Server Applications. Licensor grants Licensee a personal, nonexclusive, limited license to Internally Install the Runtime Product with Client Applications and Server Applications.
- 7.2.5 Distribution of Client Applications. Subject to Licensee’s compliance with all of the terms herein, including without limitation section 7.2.7, Licensor grants Licensee a personal, nonexclusive, limited license to Distribute Client Applications.
- 7.2.6 Distribution of Server Applications. Subject to Licensee’s compliance with all of the terms herein, including without limitation section 7.2.7, Licensor grants Licensee a personal, nonexclusive limited license to Distribute Server Applications to third parties provided that the Licensee has acquired a licensed copy of Crystal Reports for each Deployment of a Server Application that is Distributed, and the version of the Runtime Product utilized by such Server Application is the same version as Licensee’s licensed copy of Crystal Reports.
- 7.2.7 Runtime Product Distribution Requirements.
If Licensee distributes the Runtime Product to third parties pursuant to sections 7.2.5 or 7.2.6, Licensee shall comply with the following requirements:
(a) Licensee remains solely responsible for support, service, upgrades, and technical or other assistance, required or requested by anyone receiving such Runtime Product copies or sample applications;
(b) Licensee does not use the name, logo, or trademark of Licensor, or the Software, without prior written permission from SAP;
(c) Licensee will defend, indemnify and hold SAP harmless against any claims or liabilities arising out of the use, reproduction or distribution of Runtime Product or the associated application;
(d) Licensee shall not distribute the Runtime Product with any general-purpose report writing, data analysis or report delivery product or any other product that performs the same or similar functions as SAP’s product offerings; and
(e) Licensee shall secure the end user’s (“End User”) consent to terms substantially similar to the following:
End User agrees not to modify, disassemble, decompile, translate, adapt or reverse-engineer the Runtime Product or the report file (.RPT) format;
End User agrees not to distribute the Runtime Product to any third party or use the Runtime Product on a rental or timesharing basis or to operate a service bureau facility for the benefit of third-parties;
End User agrees not to use the Runtime Product to create for distribution a product that is generally competitive with SAP’s product offerings;
End User agrees not to use the Runtime Product to create for distribution a product that converts the report file (.RPT) format to an alternative report file format used by any general-purpose report writing, data analysis or report delivery product that is not the property of SAP;
- 7.2.8. SAP AND ITS SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. SAP AND ITS SUPPLIERS SHALL HAVE NO LIABILITY WHATSOEVER FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE, COVER OR OTHER DAMAGES ARISING UNDER THIS SOFTWARE AGREEMENT OR IN CONNECTION WITH THE APPLICATION OR RUNTIME PRODUCT.

7.3 **SAP Crystal Dashboard Design, departmental edition.**

- 7.3.1 Usage. Self Contained Presentations created with the departmental edition of SAP Crystal Dashboard Design may be freely redistributed.
SWF files generated by the departmental edition that access data exclusively with the Crystal Reports connector can be embedded into a Crystal Report and the resulting report can be redistributed without any additional licensing requirements.
- 7.3.2 Restrictions. SWF files generated by the departmental edition:
- Cannot be deployed to SAP BusinessObjects Enterprise or SAP BusinessObjects Edge.
 - Can be deployed standalone only to SAP Crystal Reports Server or SAP Crystal Server.
 - Cannot access any data sources from SAP Software, with the exception of SAP BusinessOne.
 - Cannot be distributed to more than 100 end users.

Connected Presentations may be used only for users internal business purposes and not pursuant to a commercial sale, rental, or lease of the Connected Presentations (whether alone or in combination with another program or product).

7.4 SAP Crystal Dashboard Design, personal edition

7.4.1 Usage. Self Contained Presentations created with the personal edition of SAP Crystal Dashboard Design may be freely redistributed. SWF files created by the personal edition of SAP Crystal Dashboard Design that access data exclusively with the Crystal Reports connector can be embedded into a Crystal Report and the resulting report can be redistributed without requiring additional licensing.

7.4.2 Restrictions. SWF files generated by the personal edition:

- Cannot be deployed to SAP BusinessObjects Enterprise or SAP BusinessObjects Edge.
- Can be deployed standalone only to SAP Crystal Reports Server, or SAP Crystal Server.
- Cannot access any data sources from SAP Software, with the exception of SAP BusinessOne.

Connected Presentations may be used only for users internal business purposes and not pursuant to a commercial sale, rental, or lease of the Connected Presentations (whether alone or in combination with another program or product).

7.5 SAP Crystal Presentation Design

7.5.1 Usage. Self Contained Presentations created with all editions of SAP Crystal Presentation Design may be freely redistributed. Licensees of the enterprise edition of SAP Crystal Presentation Design can deploy the Software to any number of employees and contractors, provided those employees and contractors are directly employed by the Licensee. This license does not extend beyond Licensee's corporate entity and excludes all subsidiaries or affiliates of the Licensee.

7.5.2 Restrictions. The student edition of SAP Crystal Presentation Design may only be used by full time or part time students of a secondary or post-secondary educational institution.

7.6 SAP Crystal Server

7.6.1 Scope. This section applies to SAP Crystal Reports Server and SAP Crystal Server. Throughout this section, the term 'SAP Crystal Server' shall be defined to include both products.

7.6.2 Usage. SAP Crystal Reports which contain SWF files created by either the personal or departmental edition of SAP Crystal Dashboard Design that access data exclusively with the Crystal Reports connector can be viewed by users with either NUL or CAL licenses. Licensee may use SAP Crystal Server's mobile features or functionalities.

7.6.3 Restrictions. For each Deployment, SAP Crystal Server may be installed and used only on a single Server. Licensee may not attempt to cluster the system across multiple live Servers. Licensee cannot use SAP Crystal Server to access data in SAP applications with the exception of SAP Business One.

The following content can only be viewed using NUL licenses:

- SAP Crystal Reports
- SAP Crystal Dashboard Design, department edition
- SAP BusinessObjects Explorer (SAP Crystal Server 2011 and later only)

The following content can only be viewed using CSBL licenses:

- SAP Crystal Reports
- SAP Crystal Dashboard Design, departmental edition (SAP Crystal Server 2016 and later only)
- SAP BusinessObjects Explorer (SAP Crystal Server 2016 and later only)

The following integration kits are not licensed for use with SAP Crystal Server:

- SAP BusinessObjects Integration for PeopleSoft Enterprise
- SAP BusinessObjects Integration for JDE EnterpriseOne
- SAP BusinessObjects Integration for Siebel
- SAP BusinessObjects Integration for Oracle E-Business Suite
- SAP BusinessObjects Integration for SAP

SAP Crystal Server includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK ("BI SDK") solely for the purposes of accessing semantic data.

Each SAP Crystal Server 2016 (and later) named users license includes one (1) named user license of SAP Crystal Reports and one (1) named user license of SAP Crystal Dashboard Design, departmental edition.

7.6.4 SAP Crystal Server, analytics edition has a maximum limit of 100 named users and 250 concurrent sessions on a single server. The license includes the following Runtime Software: (i) SAP IQ, which may be deployed either on the same server as Crystal Server, or on a separate server up to a maximum of 16 cores and (ii) Data Integrator, Edge edition, which may be deployed on the same server as Crystal Server, or a separate server up to a maximum of 6 Cores and (iii) one (1) Concurrent Session license of SAP PowerDesigner DataArchitect Edge Edition.

Use of the Runtime Software is limited to the following: Data Integrator, Edge edition (i) does not include Text Data Processing and (ii) can connect to and leverage any existing CMS repositories residing on a separate server in the customer's landscape and can only be used to load data into the included SAP IQ, from any number of SAP data sources, and up to two database types under the database interfaces.

Use of SAP IQ Runtime Software is limited to access by and through SAP Crystal Server.

SAP Crystal Server, analytics edition includes runtime license to use the SAP BusinessObjects BI Semantic Layer RESTful Web Service SDK ("BI SDK") solely for the purposes of accessing semantic data.

7.7 Xcelsius Engage Server

7.7.1 *Usage.* Self Contained Presentations created with Xcelsius Engage Server may be freely redistributed. A connected presentation that receives its data exclusively from the Crystal Reports connector, and is embedded into a Crystal Report is considered a self-contained presentation.

7.7.2 *Restrictions.* SWF files generated by Xcelsius Engage Server cannot be deployed to SAP BusinessObjects Enterprise or SAP BusinessObjects Edge.

Connected Presentations may be used only for users internal business purposes and not pursuant to a commercial sale, rental, or lease of the Connected Presentations (whether alone or in combination with another program or product).

7.8 SAP Crystal Reports Server OEM Embedded

7.8.1 SAP Crystal Reports Server OEM Embedded ("CRSE") may only be installed and used on a single Server whether the Software is licensed on a NUL or Server basis. Licensee may not attempt to cluster the system across multiple live Servers. Licensee cannot use CRSE to access data in SAP applications.

8. Supplementary Products

8.1. Directories.

Following are additional license conditions for content/reference data (address data, geo data etc.) provided in Data Quality and Data Services products("Directories")

- 8.1.1
- Directories, any related documentation and any intellectual property rights therein at all times remain the property of SAP and its third party suppliers (as the case may be);
 - Licensees are not permitted to resell the data. Directories shall not be used within a service bureau environment. In selected cases, the use by an affiliate will require a separate license (see all specific directory restrictions in the "Pass Through Terms for Directories" attached hereto as Exhibit 5 which constitute a part of the terms and conditions of Licensee's use of such Directories).
 - Directories may only be used together with the SAP Data Quality and/or Data Services Products; a perpetual license for the SAP Data Quality and Data Services Products is a prerequisite for using Directories";
 - Directories may not be used for creating a mailing list, database or other derivative work but may be used to cleanse an existing mailing list or database of an End User;
 - Directories will be updated from time to time: only the current version of an Directory may be used;
 - Use of UK Directory for Central Government Agencies of the United Kingdom (as defined herein) require a separate licence.
 - SAP may use a software utility mechanism in Directories that imposes time limitations to prevent the use of outdated Directories;
 - SAP's third party suppliers shall have no liability to End User or any third party as a result of End User's use of the Directories or any services you receive related to the use of the Directories;
 - Content updates will not be provided by SAP hereunder, except to the extent the Directories' third party supplier(s) makes content updates available to SAP, no content updates will be provided by SAP hereunder. In no case shall any SAP maintenance or support be provided for the Directories licensed herein.
 - A third-party supplier for Directories may elect to terminate SAP's right to distribute Directories or to provide updates during the term of your subscription, in which case Licensee's sole remedy will be to receive a refund of fees for the portion of the subscription for which Licensee is unable to use such Directories, unless otherwise stated in the Pass-Through Terms.
- 8.1.2 Licensing Information
- Directories are sold on a subscription model basis, therefore no annual maintenance fee is to be charged and, except to the extent the Directories content source makes content updates available to SAP, no SAP maintenance or support is provided for these products.
 - Subscription fees may include charges from domestic or international postal authorities or other data providers.
 - The Initial Term of this shall be 12 (twelve) calendar months from the Effective Date of the "Initial Term".
 - Automatic renewals occur on an annual basis, subject to availability of the licensed Directory on the then current SAP List of Prices and Conditions, and will be processed and invoiced according to the then current pricing and terms. After the Initial Term, this subscription license may be terminated by either party with 90 days written notice prior to the start of the following Renewal Term. Any termination must be in writing to the affected party and will be effective at the end of the then-current Initial/Renewal Term during which the termination notice is received by SAP.

In no event shall SAP's total liability for damages of any kind or nature in any way arising from or related to the licensed Directories exceed an amount equal to the annual Subscription Fee paid in the twelve (12) month period prior to the date of the claim.

8.2 Generic Products

8.2.1 SAP Test Acceleration and Optimization.

SAP Test Acceleration and Optimization requires a license of HP Quality Center including the modules Business Process Testing and QuickTest Professional. This can be licensed from HP directly or by licensing "SAP Quality Center by HP" (material number 7010568).

8.2.2 SAP Landscape Transformation enterprise edition ("LT")

The license for LT is explicitly connected to the customer installation(s) identified by Licensee is non-transferrable.

8.2.3 SAP Landscape Transformation Replication Server ("SLT")

SAP Landscape Transformation Replication Server ("SLT") includes SAP Mobile Platform ("Mobile Platform") as Runtime Software. The Mobile Platform is licensed for use with the licensed SLT Server only. Licensee must license an additional license for any additional use of the Mobile Platform.

8.2.4 SAP Test Data Migration Server

SAP Test Data Migration Server includes SAP Mobile Platform ("Mobile Platform") as Runtime Software. The Mobile Platform is licensed for use with the licensed SAP Test Data Migration Server only. Licensee must license an additional license for any additional use of the Mobile Platform.

9 Database and Technology Portfolio Products (Excluding HANA)

9.1 The licensed Software may include certain third party open source and/or other free download components (collectively, the "Free Download Components"). Please refer to <http://www.sap.com/sybase-thirdpartylegal> for certain notices relating to the Free Download Components

9.2 Product versions marked as "Earlier Versions" on SAP Service Marketplace may only be downloaded and/or used by Licensees who are or previously were Sybase customers and who have or previously had licensed the particular earlier version of software that they wish to download and/or use.

9.3.1 SAP ASE Runtime Edition.

SAP Adaptive Server Enterprise ("ASE") is a runtime database licensed for use by individuals licensed as SAP Named Users solely in conjunction with their use of applicable Software and/or Third Party Software licensed by Licensee from SAP. SAP ASE runtime database includes a limited runtime license of MaxDB database, subject to these provisions. For purposes of clarification, see the applicable Software and/or Third Party Software Documentation for information regarding release(s) / version(s) supported on the SAP ASE and MaxDB runtime database. SAP ASE runtime database includes a limited runtime license of SAP Replication Server, Premium Edition to be used only in conjunction with SAP ASE solely for disaster recovery purposes.

9.3.2 SAP ASE

Licensee shall only use the SAP ASE in connection with the Software licensed for the Use with SAP ASE and only for the purposes of its own internal data processing which includes access of third party user such as contractor, supply chain vendor or supplier, customer, or third party individual authorized by the customer. Licensee may not Use SAP ASE with any non-SAP branded or custom developed applications.

Third party database applications running on HANA Cloud Platform may directly access SAP ASE.

Third party database applications for system administration, monitoring and management may directly access SAP ASE.

Third party database applications or new functionality or new applications which may directly access the SAP ASE or indirectly access information contained therein are not allowed.

The foregoing provision, however, does not prohibit the Licensee from using a development environment or workbench which is part of the SAP Software to configure or modify the SAP software for which the database is licensed.

9.3.3. *DB2 Runtime Database in Certain Sybase Licensing Scenarios.* Notwithstanding anything to the contrary, the *Afaria DM Software*, may require a database product in addition to any runtime database that may be licensed in the Software Agreement. The Software Agreement does not contain a license to use any database product other than one identified in the Software Agreement. SAP makes no representations or warranties as to the terms of any license or the operation of any database product obtained (i.e. licensed) directly from a third party vendor by Licensee, and Licensee is responsible for support and maintenance of any database product obtained (i.e. licensed) from a third party vendor, and SAP has no responsibility in this regard.

- 9.3.4 SAP Adaptive Server Platform. The total number of Cores licensed represents the maximum total cumulative Cores on which all of the Software included in SAP Adaptive Server Platform may be installed and Used.
- 9.3.5 SAP ASE, Edge Edition. SAP ASE, Edge Edition is limited to 4 cores and includes a limited runtime license of SAP Replication Server, Premium edition to be used only in connection with SAP ASE, Edge Edition solely for disaster recovery.
- 9.3.6 SAP Event Stream Processor and Adapters. As is true in all cases, in order to integrate or otherwise Use the licensed Software with another third party software product, Licensee must first secure an appropriate license from the applicable third party licensor (or one of its authorized distributors). SAP may disclose Licensee's business name, address and license metric / level to such entities (where they are licensors of the licensed Software to SAP or its parent, SAP SE to assist such licensors in determining Licensee's compliance with the preceding sentence.
- 9.3.7 SAP SQL Anywhere workgroup Edge edition. SAP SQL Anywhere workgroup Edge edition (i) is limited to Use on a maximum of eight (8) Cores on a single server and (ii) includes SQL Anywhere Monitor solely for non-productive Use.
- 9.3.8 SAP PowerDesigner. Includes SAP SQL Anywhere database, which may only be Used as the metadata repository for PowerDesigner (where licensed) and for SQL language parsing.
- 9.3.9 SAP IQ, Edge edition may only be deployed on a server having a maximum of 8 Cores. Regardless of the number of Cores licensed, SAP IQ, Edge edition may be Used for databases of up to one (1) terabyte.
- 9.3.10 IoT Foundation for SAP HANA. The following Runtime Software is included with the respective usage limitations listed below:
- 64 GB of memory of SAP HANA Smart Data Streaming Option
 - 256 GB of SAP HANA Dynamic Tiering Option
 - One Node of SAP HANA Vora
 - Remote Data Sync
 - IoT SIM Management
- 9.3.11 IoT Client for SAP HANA. The following Runtime Software is included with the respective usage restrictions listed below:
- One Device of SAP SQL Anywhere Database and Sync Client
 - Streaming Lite
 - Plant Connectivity

10 SAP Mobile

- 10.1 The licensed Software may include certain third party open source and/or other free download components (collectively, the "Free Download Components"). Please refer to <http://www.sap.com/sybase-thirdpartylegal> for certain notices relating to the Free Download Components.
- 10.2 Product versions marked as "Earlier Versions" on SAP Service Marketplace may only be downloaded and/or used by Licensees who are or previously were Sybase customers and who have or previously had licensed the particular earlier version of software that they wish to download and/or use.
- 10.3 SAP Software that is mobile enabled may require an additional component downloaded from a third party mobile application store.
- 10.4.1 Afaria Device Management (Afaria DM)
- 10.4.1.1 Afaria DM license includes the following components: Afaria Multi-Tenant Enterprise Server, Afaria Class A Client, Afaria Class B Client.
- 10.4.1.2 Afaria DM includes a runtime license for SAP SQL Anywhere database. SAP SQL Anywhere is licensed for use only with Afaria DM. Any additional use of SAP SQL Anywhere requires a full use license for SAP Adaptive Service Enterprise or SAP Adaptive Server Platform.
- 10.5 SAP Enterprise Integration for Mobile Apps Software.
- 10.5.1 The SAP Enterprise Integration for Mobile Apps Software may require an additional component downloaded from a third party mobile application store. Each additional component is subject to its respective license agreement. The licensed SAP Enterprise Integration for Mobile Apps includes a runtime license for SAP Mobile Platform ("Mobile Platform") The Mobile Platform is licensed for use with the licensed SAP Enterprise Integration for Mobile Apps only. Any additional use of the Mobile Platform requires an additional license. In addition, the following terms apply to specific Software:
- 10.5.2 *SAP Mobile Inclusive Banking, SAP Mobile Consumer Payments, SAP Omnichannel Banking, digital commercial option, SAP Omnichannel Banking, digital retail option*. The referenced Mobile Apps include a runtime license for SAP Mobile Platform ("Mobile Platform"). The Mobile Platform is licensed for use with the licensed Mobile App only. Any additional use of the Mobile

Platform requires an additional license. Runtime Mobile Platform can be used for customers' extensions and enhancements to the licensed Mobile App provided customer's extensions are in line with the intended purpose of the licensed App.

- 10.5.3 *SAP Mobile Platform, consumer edition, reporting add-on.* Crystal Reports is included as Runtime Software.
- 10.5.4 *SAP Enterprise Integration for Service Manager, SAP Enterprise Integration for Retail Execution.* SAP Enterprise Integration for Service Manager includes limited access rights to SAP CRM Service, solely for the exclusive purpose of accessing SAP CRM Service through the SAP Enterprise Integration for Service Manager mobile application. No other access rights to SAP CRM Service are included (either express or implied) and any access outside of the SAP Enterprise Integration for Service Manager mobile application requires purchase of a separate full use license for SAP CRM Service. SAP Enterprise Integration for Retail Execution includes limited access rights to SAP CRM Service and/or SAP CRM Sales, solely for the exclusive purpose of accessing SAP CRM Service or SAP CRM Sales through the SAP Enterprise Integration for Retail Execution mobile application. No other access rights to SAP CRM Service or SAP CRM Sales are included (either express or implied) and any access outside of the SAP Enterprise Integration for Retail Execution mobile application requires purchase of a separate full use license for SAP CRM Service and/or SAP CRM Sales.
- 10.5.5 *SAP Mobile Platform and SAP Mobile Platform, Single App Option. Each referenced SAP Mobile Platform license includes SAP NetWeaver Gateway.* Each component comprising the SAP Mobile Platform is subject to the applicable terms stated in the LPC. Each such SAP Mobile Platform User may Use SAP NetWeaver Gateway as follows: each SAP Mobile Platform User is licensed to Use SAP NetWeaver Gateway provided with the SAP Mobile Platform for the sole purpose of enabling (i) any SAP Mobile Applications, supported on SAP Mobile Platform, and licensed by Licensee under the Software Agreement on a per user basis, solely to interface with the Software and/or third party software licensed under the Software Agreement and/or (2) any Licensee owned/licensed mobile applications, solely to interface with the Software and/or third party software licensed under the Software Agreement via SUP.
 - 10.5.5.1 Each referenced SAP Mobile Platform includes a runtime license of SAP ASE database. SAP ASE is licensed for use only with referenced SAP Mobile Platforms. Licensee has to purchase an additional license for any additional use of SAP ASE.
 - 10.5.5.2 SAP Mobile Platform, Single App Option license is not transferable from one Application to another Application.
- 10.6 *SAP Mobile Platform, Consumer Edition.* Each SAP Mobile Platform, Consumer Edition User license includes SAP NetWeaver Gateway. Each component comprising the SAP Mobile Platform, Consumer Edition is subject to the applicable terms stated in the Software Use Rights document. Each such SAP Mobile Platform, Consumer Edition User is licensed to Use SAP NetWeaver Gateway provided with the SAP Mobile Platform, Consumer Edition for the sole purpose of enabling (i) any SAP Mobile Applications supported on SAP Mobile Platform, Consumer Edition and licensed by Licensee under the Agreement on a per user basis, solely to interface with the Software and/or third party software licensed under the Agreement and (2) any Licensee owned/licensed mobile applications, solely to interface with the Software and/or third party software licensed under the Agreement via SAP Mobile Platform. Licensee may grant each licensed SAP Mobile Platform, Consumer Edition User the right to make an unlimited number of Application Connections, and there is no requirement for an SAP Mobile Platform, Consumer Edition User to also be licensed as an SAP Named User; and only an individual making Application Connections solely on his or her own behalf as an individual (i.e. not in conjunction with his or her employment or on behalf of any other individual(s) and/or entity(ies)) may be licensed as an SAP Mobile Platform, Consumer Edition User.
 - 10.6.1 SAP Mobile Platform, Consumer Edition includes a runtime license of SAP ASE database. SAP ASE is licensed for use only with SAP Mobile Platform, Consumer Edition. Any additional use of SAP ASE requires a full use license for SAP ASE.
- 10.7 *Runtime Database in Certain Sybase Licensing Scenarios.* Notwithstanding anything to the contrary, SAP Mobile Platform or Afaria DM Apps, if licensed hereunder, may require a database product in addition to any runtime database that may be licensed hereunder. The Software Agreement does not contain a license to use any database product other than one identified in the Software Agreement. SAP makes no representations or warranties as to the terms of any license or the operation of any database product obtained (i.e. licensed) directly from a third party vendor by Licensee, and Licensee is responsible for support and maintenance of any database product obtained (i.e. licensed) from a third party vendor, and SAP has no responsibility in this regard.

11 SAP HANA

11.1 Definitions.

- 11.1.1 *Data Sources.* Any software product(s) and/or database instance(s) for which Licensee has secured an appropriate license.

11.2 Where SAP HANA Is Not Contractually Restricted to Standalone Use.

- 11.2.1 *SAP HANA, Platform Edition.* SAP HANA Platform Edition may be used with an unlimited number of Data Sources, and such use is subject to the applicable Licensed Level. SAP HANA Platform includes a runtime license of SAP HANA Data Warehousing Foundation Option. Licensee may use Smart Data Access to query data from any data sources, provided that Licensee's license for SAP HANA, Platform Edition has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.
- 11.2.2 *SAP HANA, Enterprise Edition.* SAP HANA Enterprise Edition may be Used with an unlimited number of Data Sources, and such Use is subject to the applicable Licensed Level. SAP HANA Enterprise currently includes a runtime license of SAP Data Integrator ("DI"), SAP Smart Data Integration ("SDI"), and SAP Landscape Transformation Replication Server ("SLT"), and Use of such runtime products shall be limited solely to extracting data from Data Sources into SAP HANA Enterprise Edition.

Notwithstanding the foregoing, an SAP Named User license will not be required solely where (i) data is exported directly out of the licensed SAP HANA Enterprise Edition into Non-SAP Applications (as defined below) in an asynchronous, non-real-time manner and (ii) the use of such exported data in such Non-SAP Applications does not result in any updates to and/or trigger any processing capabilities of any licensed Software or Third Party Software. Notwithstanding anything to the contrary, if a runtime database is licensed for Use with the licensed SAP HANA Enterprise Edition Software, then Use of such runtime database to support the export of data from the licensed SAP HANA Enterprise Edition Software in accordance with the immediately preceding sentence shall be limited to application level APIs. SAP HANA Enterprise includes a runtime license of SAP HANA Rules Framework and SAP HANA Data Warehousing Foundation Option. Licensee may use Smart Data Access to query data from any data sources, provided that Licensee's license for SAP HANA, Enterprise Edition has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.

Non-SAP Applications. Any software and/or applications, other than Software or Third Party Software, for which Licensee has secured an appropriate license from an entity other than SAP, SAP SE, and/or any of its/their subsidiaries and/or distributors.

11.2.3 SAP HANA, Edge edition, advanced version.(SAP HANA Edge advanced)

SAP HANA Edge advanced may be Used with an unlimited number of Data Sources, and such Use is subject to the applicable Licensed Level. SAP HANA Edge advanced currently includes a runtime license of SAP Data Integrator ("DI"), SAP Smart Data Integration ("SDI"), and SAP Landscape Transformation Replication Server ("SLT"), and Use of such runtime products shall be limited solely to extracting data from Data Sources into SAP HANA Edge advanced. SAP HANA Edge advanced includes the license for 128GB of SAP HANA Dynamic Tiering Option with each licensed 32GB unit of SAP HANA Edge advanced. SAP HANA Edge advanced includes a runtime license of SAP HANA Data Warehousing Foundation Option solely for Use with SAP HANA Dynamic Tiering Option.

11.2.4 If one or more limited use versions of SAP HANA (SAP HANA Runtime edition for SAP BW; SAP HANA Database Edition for SAP BW; SAP HANA Runtime edition for Applications and SAP BW), and one or more of the following SAP HANA editions: SAP HANA Base Edition, SAP HANA Platform Edition, SAP HANA Enterprise Edition (individually, "HANA Full Use Edition"), are licensed and deployed in the same installation with shared HANA database tenants, then at least 50% of the capacity of the installation must be used to operate one or more of the HANA Full Use Editions.

11.3 Where SAP HANA Software Is Contractually Restricted to Standalone Use.

11.3.1 Standalone Use of HANA Platform Edition. SAP HANA Platform Edition may be Used with an unlimited number of Data Sources, such Use being subject to the Standalone Use restriction and the applicable Licensed Level. SAP HANA Platform includes a runtime license of SAP HANA Data Warehousing Foundation Option.

11.3.2 Standalone Use of HANA Enterprise Edition. SAP HANA Enterprise Edition may be Used with an unlimited number of Data Sources, such Use being subject to the Standalone Use restriction and the applicable Licensed Level. SAP HANA Enterprise currently includes a runtime license of SAP Data Integrator ("DI"), SAP Smart Data Integration ("SDI"), and SAP Landscape Transformation Replication Server ("SLT"), and Standalone Use of such runtime products shall be limited solely to extracting data from Data Sources into SAP HANA. Notwithstanding the foregoing, an SAP Named User license will not be required solely where (i) data is exported directly out of the licensed SAP HANA Enterprise Edition into Non-SAP Applications (as defined below) in an asynchronous, non-real-time manner and (ii) the use of such exported data in such Non-SAP Applications does not result in any updates to and/or trigger any processing capabilities of any licensed Software or Third Party Software. Notwithstanding anything to the contrary, if a runtime database is licensed for Use with the licensed SAP HANA Enterprise Software, then Use of such runtime database to support the export of data from the licensed SAP HANA Enterprise Edition Software in accordance with the immediately preceding sentence shall be limited to standard APIs provided with such runtime database. SAP HANA Enterprise includes a runtime license of SAP HANA Rules Framework and SAP HANA Data Warehousing Foundation Option. Licensee may use Smart Data Access to query data from any data sources, provided that Licensee's license for SAP HANA, Enterprise Edition has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.

Non-SAP Applications. Any software and/or applications, other than Software or Third Party Software, for which Licensee has secured an appropriate license from an entity other than SAP, SAP AG, and/or any of its/their subsidiaries and/or distributors.

11.3.3 Standalone Use of SAP HANA, Edge edition, advanced version. (SAP HANA Edge advanced, Standalone)

SAP HANA Edge advanced, Standalone may be Used with an unlimited number of Data Sources, and such Use is subject to the Standalone Use restriction and the applicable Licensed Level. SAP HANA Edge advanced, Standalone currently includes a runtime license of SAP Data Integrator ("DI"), SAP Smart Data Integration ("SDI"), and SAP Landscape Transformation Replication Server ("SLT"), and Use of such runtime products shall be limited solely to extracting data from Data Sources into SAP HANA Edge advanced, Standalone. SAP HANA Edge advanced, Standalone includes the license for 128GB of SAP HANA Dynamic Tiering Option with each licensed 32GB unit of SAP HANA Edge advanced, Standalone. SAP HANA Edge advanced, Standalone includes a runtime license of SAP HANA Data Warehousing Foundation Option solely for Use with SAP HANA Dynamic Tiering Option.

11.3.4 If one or more limited use versions of SAP HANA (SAP HANA Runtime edition for SAP BW; SAP HANA Database Edition for SAP BW; SAP HANA Runtime edition for Applications and SAP BW), and one or more of the following SAP HANA editions: SAP HANA Base Edition, SAP HANA Platform Edition, SAP HANA Enterprise Edition (individually, "HANA Full Use Edition"), are licensed and deployed in the same installation with shared HANA database tenants, then at least 50% of the installation must be used to operate one or more of the HANA Full Use Editions.

11.4 **SAP HANA DB Edition for SAP NetWeaver BW (“HANA DB for BW”)**

HANA DB for BW is a database licensed solely to support Licensee's Use of SAP NetWeaver Business Warehouse (SAP BW) and Use is limited to communications between SAP BW and HANA DB for BW. The HANA DB for BW license includes the following Runtime Software: SAP HANA Platform and SAP Data Warehousing Foundation.

HANA DB for BW may support an unlimited number of Data Sources, subject to the applicable Licensed Level. SAP HANA Platform includes SAP Smart Data Access and the HANA Studio component. Use of the SAP HANA Studio component is limited solely to administering, monitoring and creating custom views for the SAP BW instance. All reporting must be performed via the SAP BW Software or via custom views created using HANA Studio. Such custom views may be accessed by SAP or non-SAP BI tools.

All data modeling, loading, distribution, creation and extension of data structures, including tables and-virtual tables used in HANA DB for BW must be performed via SAP BW Software

11.5 **SAP HANA, Runtime Edition for SAP NetWeaver BW (“HANA Runtime for BW”)**

SAP HANA, Runtime Edition for SAP NetWeaver BW licensed by HANA SAP Application Value

HANA Runtime for BW is a database licensed solely to support Licensee's Use of SAP NetWeaver Business Warehouse (SAP BW) and Use is limited to communications between SAP BW and HANA Runtime for BW.

The HANA Runtime for BW license includes the following Runtime Software:

- (1) SAP HANA Platform;
- (2) SAP Data Warehousing Foundation,
- (3) SAP Dynamic Tiering
- (4) SAP Business Warehouse Accelerator;
- (5) SAP Near-line storage for SAP BW (NLS for BW)
- (6) SAP HANA Rules Framework

HANA Runtime for BW may support an unlimited number of Data Sources and unlimited use of SAP Business Warehouse Accelerator, subject to the applicable Licensed Level. SAP ASE runtime database includes a limited runtime license of SAP Replication Server, Premium edition to be used only in conjunction with SAP ASE solely for disaster recovery purposes. SAP HANA Platform includes SAP Smart Data Access and the HANA Studio component. Use of the SAP HANA Studio component is limited solely to administering, monitoring and creating custom views for the SAP BW instance. All reporting must be performed via the SAP BW Software or via custom views created using HANA Studio. Such custom views may be accessed by SAP or non-SAP BI tools.

All data modeling, loading, distribution, creation and extension of data structures, including tables and-virtual tables used in HANA Runtime for BW must be performed via SAP BW Software.

In the event that Licensee's additional licensing of SAP Software or Third Party Software changes the HANA SAP Application Value, Licensee shall be obliged to license the respective additional quantity of HANA Runtime for BW.

SAP HANA, Runtime Edition for SAP NetWeaver BW licensed by User

SAP HANA, Runtime Edition for SAP NetWeaver BW (User) is licensed as a runtime database (“HANA Runtime for BW”) licensed for Use solely in conjunction with Licensee's Use of applicable Software and/or Third Party Software, and solely to the extent such Software components are licensed by Licensee and subject to the Licensed Level for HANA Runtime for BW. SAP Employee, Employee Self-Service and Employee Self Service Core Named Users are excluded for purposes of determining the quantity of licensed Users; however, all SAP Employee Self-Service, Employee Self-Service Core and Employee Named Users are additionally licensed to Use HANA Runtime for BW subject to these terms and the license for such Named Users.

HANA Runtime for BW is a database licensed solely to support Licensee's Use of SAP NetWeaver Business Warehouse (SAP BW) and Use is limited to communications between SAP BW and HANA Runtime for BW.

The HANA Runtime for BW license includes the following Runtime Software:

- (1) SAP HANA Platform;
- (2) SAP Data Warehousing Foundation,
- (3) SAP Dynamic Tiering
- (4) SAP Business Warehouse Accelerator;
- (5) SAP Near-line storage for SAP BW (NLS for BW)
- (6) SAP HANA Rules Framework

HANA Runtime for BW may support an unlimited number of Data Sources. SAP HANA Platform includes SAP Smart Data Access and the HANA Studio component. SAP ASE runtime database includes a limited runtime license of SAP Replication Server, Premium edition to be used only in conjunction with SAP ASE solely for disaster recovery purposes. Use of the SAP HANA Studio component is limited solely to administering, monitoring and creating custom views for the SAP BW instance. All

reporting must be performed via the SAP BW Software or via custom views created using HANA Studio. Such custom views may be accessed by SAP or non-SAP BI tools.

All data modeling, loading, distribution, creation and extension of data structures, including tables and virtual tables used in HANA Runtime for BW must be performed via SAP BW Software.

11.6 **SAP HANA Related Apps**

*SAP Enterprise Demand Sensing,
SAP Liquidity Risk Management, powered by SAP HANA
SAP Innovation Management
SAP Intelligent Business Operations bundle
SAP Net Margin Analysis, edition for SAP HANA
SAP Accelerated Trade Promotion Planning
SAP Demand Signal Management, powered by SAP HANA
SAP Enterprise Threat Detection
SAP Supply Chain Info Center, powered by SAP HANA
SAP Customer Activity Repository
SAP Promotion Management for Retail, add-on for SAP Customer Activity Repository
SAP Sales and Operations Planning*

*SAP hybris Billing, pricing simulation
SAP Tax Declaration Framework
SAP Fashion Management Solution
SAP hybris Marketing, data management
SAP hybris Marketing, segmentation option
SAP hybris Marketing, acquisition option
SAP hybris Marketing, recommendation option
SAP hybris Marketing, insight option
SAP hybris Marketing, planning option*

*SAP Audit Management
SAP Sales Analysis for Retail, edition for SAP HANA
Sales Order Allocation and Rescheduling on HANA
SAP Predictive Maintenance and Service, technical foundation
Medical Research Insights
SAP Assortment Planning for Retail*

SAP HANA Related Apps may be used with an appropriately licensed SAP Business Warehouse (BW) instance. Use of BW is limited to the context of the SAP HANA Related App for reporting and analysis.

11.7 **SAP HANA Base Edition**

Use is limited solely to the following SAP HANA features and functionality: Partitioning, Compression, Security, Calculation engine, aggregation engine, XS Engine, UI Services, SQL scripting engine, HANA Studio, Backup/Recovery, Multi-tenancy, System Virtualization Support, Control Center, Business Rules Management, Business Function Library, Smart Data Access. Licensee may use Smart Data Access to query data from any data sources, provided that Licensee's license for SAP HANA, Base Edition has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.

11.8 **SAP HANA, Realtime Replication Option.**

Includes the following Runtime Software: SAP System Landscape Transformation Replication Server ("SLT"), Premium Edition and SAP SQL Anywhere Advanced edition and SAP HANA Remote Data Sync. Use of such Runtime Software shall be limited solely to extracting data from Data Sources into SAP HANA or between multiple HANA database instances. Use of SAP SQL Anywhere Advanced edition and SAP HANA Remote Data Sync shall be limited solely to exchanging data between Data Sources and SAP HANA.

11.9 **SAP Near-line storage for SAP BW**

SAP Near-line storage for SAP BW includes a runtime license of SAP IQ Enterprise Edition, SAP IQ Enterprise Edition-Very Large Database Management Option and SAP IQ Enterprise Edition-Unstructured Data Analytics Option. Use of SAP IQ Enterprise Edition and SAP IQ Enterprise Edition-Unstructured Data Analytics Option is limited to a maximum of 32 cores each, solely for use with SAP BW.

11.10 **SAP HANA, Runtime Edition for Applications and SAP BW**

11.10.1 *SAP HANA Runtime Edition for Applications and SAP BW licensed by HANA SAP Application Value*

SAP HANA Runtime Edition for Applications and SAP BW is a runtime database ("HANA REAB") licensed for Use in conjunction with Licensee's Use of Software and/or Third Party Software, and solely to the extent such Software components are licensed by Licensee ("HANA REAB Supported Software") in accordance with the terms herein.

REAB Runtime Software Rights. The HANA REAB license includes the following Runtime Software:

- (1) SAP HANA Platform;
- (2) SAP Data Integrator ("DI");
- (3) SAP Smart Data Integration ("SDI");
- (4) SAP Landscape Transformation replication server ("SLT");
- (5) SAP ASE and MaxDB databases;
- (6) SAP Data Warehousing Foundation;
- (7) SAP Dynamic Tiering;
- (8) SAP Business Warehouse Accelerator;
- (9) SAP Near-line storage for SAP BW (NLS for BW);
- (10) SAP HANA Rules Framework.

SAP HANA Platform includes SAP Smart Data Access and the HANA Studio component. All data modeling, distribution, creation and extension of data structures, including tables and virtual tables used in HANA REAB must be performed via the HANA REAB Supported Software. Smart Data Access may be used to query data from other SAP HANA database editions, provided such SAP HANA database editions have been separately licensed by Licensee. Use of DI, SDI and SLT is limited solely to loading data into HANA REAB or HANA REAB Supported Software. Data may be loaded from an appropriately licensed Data Source via DI, SDI or SLT or via HANA REAB Supported Software interfaces.

Use of the SAP HANA Studio component is limited solely to administering, monitoring and creating custom views for the HANA REAB database instance. All reporting must be performed via the HANA REAB Supported Software or via custom views created using HANA Studio. Such custom views may be accessed by SAP or non-SAP BI tools.

NLS for BW includes a runtime license of (a) SAP IQ Enterprise Edition, (b) SAP IQ Enterprise Edition-Very Large Database Management Option and (c) SAP IQ Enterprise Edition-Unstructured Data Analytics Option, which may solely be used with SAP BW.

BI Suite on REAB. When used as a runtime database for the SAP BI Suite, HANA REAB may be used (i) as a database for the Central Management Server (CMS) repository, (ii) as an audit database for the BI Platform, (iii) as a platform by the SAP Lumira Server version for SAP HANA component for sharing and collaboration purposes, and (iv) as a platform by the SAP BusinessObjects Design Studio runtime for SAP HANA component.

The license fee for HANA REAB is calculated on the basis of the HANA SAP Application Value for Licensee's HANA REAB Supported Software. Licensee shall pay additional license fees for HANA REAB in the event Licensee's HANA SAP Application Value increases.

SAP points out that Licensee may have to install a HANA REAB-compatible release of the HANA REAB Supported Software in order to enable certain business functions or provide configuration as described above. Future releases of HANA REAB developed for Use with HANA REAB Supported Software may not be compatible with current releases and may not be available via the respective SAP Support offering. Technical migration from HANA REAB Supported Software to another release of the Software and/or Third Party Software as used separately from HANA REAB and/or to another database offering may not be possible.

11.10.2 *SAP HANA Runtime Edition for Applications and SAP BW licensed by User.*

SAP HANA Runtime Edition for Applications and SAP BW is a runtime database ("HANA REAB") licensed for Use in conjunction with Licensee's Use of Software and/or Third Party Software, and solely to the extent such Software components are licensed by Licensee ("HANA REAB Supported Software") in accordance with the terms herein. SAP Employee, SAP Employee Self-Service and SAP Employee Self-Service Core Named Users are excluded for purposes of determining the quantity of licensed Users; however, all SAP Employee Self-Service, SAP Employee Self-Service Core and SAP Employee Named Users are additionally licensed to Use HANA DB for BW subject to these terms and the license for such Named Users.

REAB Runtime Software Rights. The HANA REAB license includes the following Runtime Software:

- (1) SAP HANA Platform;
- (2) SAP Data Integrator ("DI");
- (3) SAP Smart Data Integration ("SDI");
- (4) SAP Landscape Transformation replication server ("SLT");
- (5) SAP ASE and MaxDB databases;
- (6) SAP Data Warehousing Foundation;
- (7) SAP Dynamic Tiering;
- (8) SAP Business Warehouse Accelerator;
- (9) SAP Near-line storage for SAP BW (NLS for BW);
- (10) SAP HANA Rules Framework.

SAP HANA Platform includes SAP Smart Data Access and the HANA Studio component. All data modeling, distribution, creation and extension of data structures, including tables and virtual tables used in HANA REAB must be performed via the HANA REAB Supported Software. Smart Data Access may be Used to query data from other SAP HANA database editions, provided such SAP HANA database editions have been separately licensed by Licensee. Use of DI, SDI and SLT is limited solely to loading data into HANA REAB or HANA REAB Supported Software Data may be loaded from an appropriately licensed Data Source via DI, SDI or SLT or via HANA REAB Supported Software interfaces.

Use of the SAP HANA Studio component is limited solely to administering, monitoring and creating custom views for the HANA REAB database instance. All reporting must be performed via the HANA REAB Supported Software or via custom views created using HANA Studio. Such custom views may be accessed by SAP or non-SAP BI tools.

NLS for BW includes a runtime license of (a) SAP IQ Enterprise Edition, (b) SAP IQ Enterprise Edition-Very Large Database Management Option and (c) SAP IQ Enterprise Edition-Unstructured Data Analytics Option, which may solely be used with SAP BW.

BI Suite on REAB. When used as a runtime database for the SAP BI Suite, HANA REAB may be used (i) as a database for the Central Management Server (CMS) repository, (ii) as an audit database for the BI Platform, (iii) as a platform by the SAP Lumira Server version for SAP HANA component for sharing and collaboration purposes, and (iv) as a platform by the SAP BusinessObjects Design Studio runtime for SAP HANA component.

Licensee may have to install a HANA REAB-compatible release of the HANA REAB Supported Software in order to enable certain business functions or provide configuration as described above. Future releases of HANA REAB developed for Use with HANA REAB Supported Software may not be compatible with current releases and may not be available via the respective SAP Support offering. Technical migration from HANA REAB Supported Software to another release of the Software and/or Third Party Software as used separately from HANA REAB and/or to another database offering may not be possible.

11.11 Terms of use for Twitter API contained within SAP HANA, Enterprise Edition; SAP HANA, Runtime edition for Applications and SAP BW; and SAP HANA, Information Management Option

The following shall apply to SAP HANA, Enterprise Edition; SAP HANA, Runtime edition for Applications and SAP BW; and SAP HANA, Information Management Option: Use of the Twitter API is subject to the Third Party Web Service terms contained in Exhibit 8 of these Use Terms.

11.12 SAP HANA Information Management Option.

The SAP HANA Information Management Option includes Use rights for five (5) users of SAP Agile Data Preparation, on premise edition, IT governance option.

11.13 SAP HANA Spatial Engine.

Use of SAP HANA Spatial Engine is also governed by the HERE MAP DATA BY HERE directory terms, which can be located in Part 2 Exhibit 5 (Pass Through Terms for Directories Clause 6 (HERE MAP DATA BY HERE) Section 3 of this SAP Price and Condition List for Software and Support.

12 N.A.

13 N.A.

14 Line of Business Portfolio

14.1 SAP Visual Enterprise.

14.1.1 *SAP 3D Visual Enterprise Generator, SAP Visual Enterprise View Edition Generator and Optional Add-Ons.* The SAP 3D Visual Enterprise Software (f/k/a Right Hemisphere) licensed hereunder may include certain third party open source and/or other free download components (collectively, the "Free Download Components"). Please refer to <http://www.righthemisphere.com/oslicenses.html> for certain notices relating to the Free Download Components. Notwithstanding anything to the contrary, an individual accessing any licensed SAP Visual Enterprise Software solely to view output files therefrom shall not be required to hold an SAP Named User license. SAP Visual Enterprise Viewer software is made available to Licensees of licensed Visual Enterprise Generator, Visual Enterprise Access and/or Visual Enterprise Author software at no additional license fee.

15 SAP Bundles

15.1 SAP ERP Foundation Extension

SAP ERP Foundation Extension ("SAP EFE"): includes the following Runtime Software:

- SAP Access Control, starter edition
- SAP Single Sign-on – Internal
- SAP NetWeaver Process Integration (limited to the license metric of one (1) Core per Licensee irrespective of the number of licensed quantity of SAP EFE, and
- SAP BI, Version for SAP Applications.

Exhibit 4 - Pass Through Terms for Third Party Databases

SAP may deliver SAP software containing a database product where the end user is not entitled to use the database unless he/she has acquired the requisite number of licenses from the database vendor or its authorized distributor. Such deliveries are reported to the database vendor.

Conditions for the use of ORACLE® Database Software when licensed from SAP

1. Copyright

- 1.1 The comprehensive copyright to Oracle software is the sole property of the Oracle Corporation, Redwood Shores, CA, USA.
- 1.2 Third party database applications for system administration, monitoring and management may directly access the Oracle database.
- 1.3 The customer shall only use the Oracle software in connection with the SAP Software and only for the purposes of its own internal data processing which includes access of third party user such as contractor, supply chain vendor or supplier, customer, or third party individual authorized by the customer. It is allowed to customize the SAP software or to create additional functionality, new applications, or to support third party database applications which only interface with them (example: via RFC, BAPI) Third party database applications or new functionality or new applications which may directly access the Oracle database or indirectly access information contained therein are not allowed.
- 1.4 The customer shall assign the Oracle software only to wholly owned or majority owned subsidiaries. Assignment to competitors of Oracle is prohibited.
- 1.5 In view of its limited rights of use, the customer shall neither modify, decompile nor reverse engineer the Oracle software except and to the extent that it is expressly permitted by applicable law.
- 1.6 The Oracle software may only be used in the country or countries for which the customer has acquired a license. The customer hereby undertakes to adhere to all regulations of the US Department of Commerce and the American export authorities.
- 1.7 The use of Oracle software for the planning, production, control or monitoring of nuclear power stations, air traffic, means of mass transportation or medical equipment is not permitted, unless such use is limited to commercial or purely administrative applications.
- 1.8 The customer is not entitled to receive the source code for the Oracle software.

2. Other Conditions

- 2.1 The publication of benchmark tests for the Oracle software is not permitted.

Conditions for the use of the Microsoft SQL-Server Enterprise Edition

Conditions for the use of the Microsoft SQL-Server when licensed by SAP

IMPORTANT NOTE: These "Conditions for the Use of the Microsoft SQL-Server when licensed by SAP" apply to Microsoft SQL Server Enterprise Edition version 2014 (or subsequent versions) not only for new licenses but also for any prior licenses of Microsoft SQL-Server Enterprise Edition licensed under an agreement with any SAP entity or SAP authorized reseller.

For the purpose of this Section "Integrated Application" shall be defined as SAP software integrating the Microsoft SQL Server Database. The Microsoft SQL Server Database may contain the following software:

"Server Software" provides services or functionality on your server (your computers capable of running the Server Software are "Servers"); "Client Software" allows an electronic device ("Device") to access or utilize the Server Software.

OVERVIEW

- 1.1 **Software.** The software includes
 - server software, and
 - additional software that may only be used with the server software directly, or indirectly through other additional software.
- 1.2 **License Model.** The software is licensed by SAP based on the unified solution and the number of users of that unified solution.
- 1.3 **Licensing Terminology.**
 - **Instance.** You may create an "instance" of the software by executing the software's setup or install procedure. You also create an instance of the software by duplicating an existing instance. References to the "software" in this agreement include "instances" of the software.
 - **Run an Instance.** You "run an instance" of the software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
 - **Operating System Environment ("OSE").** An "operating system environment" or "OSE" is
 - i. all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights; and
 - ii. Instances of applications, if any, configured to run on the operating system instance or part identified above.A physical hardware system can have either or both of the following:
 - one physical operating system environment;
 - one or more virtual operating system environments.A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment.
A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system.

- **Server.** A "server" is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate server.
- **Server Farm.** A "server farm" is any data center or group of data centers owned by you and under your day-to-day operational control.
- **Unified Solution.** A "unified solution" means a software application licensed to you by SAP, which includes the software licensed under this agreement, adds significant and primary functionality to such software, and may include software acquired from a third party delivered and licensed by SAP.

1. **USE RIGHTS.**

Your rights to use the software are set forth in the license granted by SAP to you to use the unified solution at specific site(s), to run your internal business operations (including back up and passive disaster recovery), and to provide internal training and testing for such internal business operations, unless and until such license expires or is terminated.

3. **ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.**

3.1 **Runtime-Restricted Use Software.** The software is "Runtime-Restricted Use" software; as such, it may only be used to run the unified solution and only as part of the unified solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables. For clarity, you may use tools provided as part of the unified solution to create new tables during the unified solution set up and/or customization so long as the resulting tables will only be used with and/or as part of the unified solution itself.

3.2 **SQL Server Reporting Services Map Report Item.** Power View and SQL Reporting Services Map Item both include use of Bing Maps. You may only use the content provided through Bing Maps, including geocodes, within Power View or SQL Reporting Services Map Item. Your use of Bing Maps is also governed by the Bing Maps End User Terms of Use available at go.microsoft.com/?linkid=9710837 and the Bing Maps Privacy Statement available at go.microsoft.com/fwlink/?LinkID=248686.

3.3 **Use of Software Within and Across Server Farms.** You may use the software on servers located within and across your server farm if and for so long as the software is only used with and as a part of the unified solution.

3.4 **Outsourcing Company.** You may enter into an agreement with a third party that provides operational services or support services to you, including but not limited to network management, application management, or data center management services (including operation, maintenance and control of server hardware in a data center ("outsourcing company") to install or cause to be installed the unified solution on servers owned, operated, maintained and controlled by the outsourcing company, provided that: (i) all such server hardware on which the unified solution has been installed is and continuously remains physically dedicated to running the unified solution solely for the benefit and use by you and (ii) you have entered into a written agreement that protects the unified solutions and the software on commercially reasonable terms. Regardless of the physical location of the server hardware containing the software, you remain fully responsible for all of your obligations under this agreement, including any unauthorized use or distribution of the software that results from any act or omission of the outsourcing company. The outsourcing company must agree to the terms of this agreement in a signed writing. You may only grant the outsourcing company access to the software in order to perform operational and/or support services (including but not limited to software maintenance, patch updating, integration, etc.) for you, and the outsourcing company may not access or use the software for any other purpose.

3.5 **Virtualization.** With respect to any server for which you have acquired the requisite licenses, you may run any number of instances of the server software in any number of physical and/or virtual OSEs whether on servers within your server farm or on servers owned and managed by an outsourcing company pursuant to Section 3.4 (above).

3.6 **Fail-over Server.** You may create and maintain passive fail-over instances in a separate OSE for temporary support on a server other than your production server, whether on servers within your server farm or on servers owned and managed by an outsourcing company pursuant to Section 3.4 (above).

4. **THIRD PARTY NOTICES.** The software may include third party code, that Microsoft, not the third party, licenses to you under the terms set forth in this agreement. Notices, if any, for any third party code are included for your information only. Additionally, any third party scripts, linked to, called or referenced from this software, are licensed to you by the third parties that own such code, not by Microsoft, see ASP.NET Ajax CDN Terms of Use: www.asp.net/ajaxlibrary/CDN.ashx that program.

5. **INTERNET-BASED SERVICES.** Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

6. **BENCHMARK TESTING.** You must obtain Microsoft's prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).

7. **.NET FRAMEWORK SOFTWARE.** The software contains Microsoft .NET Framework software. This software is part of Windows. The license terms for Windows apply to your use of the .NET Framework software.

8. **MICROSOFT .NET FRAMEWORK BENCHMARK TESTING.** The software includes one or more components of the .NET Framework (" .NET Components"). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkID=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkID=66406.

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Conditions for Use of Third Party Databases with SAP Business One Software

Conditions for the Use of Microsoft® SQL Server™ 2014, Standard Edition (Core-based Runtime and Server CAL Runtime) Software

IMPORTANT NOTE: These “Conditions for the Use of the Microsoft SQL Server 2014, Standard Edition” apply to Microsoft SQL Server Standard Edition version 2014 (or subsequent versions) not only for new licenses but also for any prior licenses of Microsoft SQL-Server Standard Edition licensed under an agreement with any SAP entity or SAP authorized reseller.

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IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW FOR EACH SERVER YOU PROPERLY LICENSE.

1. OVERVIEW.

1.1 Software. The software includes

- server software, and
- additional software that may only be used with the server software directly, or indirectly through other additional software.

1.2 License Model. The software is licensed based on either the:

- Core License Model** – the number of physical and/or virtual cores in the server; or
- Server + Client** – the number of operating system environments (OSEs) in which the server software is run, and the number of devices and users that access instances of server software.

1.3 Licensing Terminology.

- Instance.** You create an “instance” of the software by executing the software’s setup or install procedure. You also create an instance of the software by duplicating an existing instance. References to the “software” in this agreement include “instances” of the software.
- Run an Instance.** You “run an instance” of the software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
- Operating System Environment (“OSE”).** An “operating system environment” or “OSE” is
 - (i) all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights; and
 - (ii) instances of applications, if any, configured to run on the operating system instance or parts identified above.

A physical hardware system can have either or both of the following:

- one physical operating system environment;
- one or more virtual operating system environments.

A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment.

A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system.

- Server.** A server is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.
- Physical Core.** A physical core is a core in a physical processor. A physical processor consists of one or more physical cores.
- Hardware Thread.** A hardware thread is either a physical core or a hyper-thread in a physical processor.
- Virtual Core.** A virtual core is the unit of processing power in a virtual (or otherwise emulated) hardware system. A virtual core is the virtual representation of one or more hardware threads. Virtual OSEs use one or more virtual cores.
- Assigning a License.** To assign a license is to designate that license to a server, device or user as indicated below.
- Core Factor.** The core factor is a numerical value associated with a specific physical processor for purposes of determining the number of licenses required to license all of the physical cores on a server.

2. USE RIGHTS FOR CORE LICENSE MODEL.

2.1 Licensing a Server. Before you run instances of the server software on a server, you must determine the number of software licenses required and assign those licenses to that server as described below.

2.2 Determining the Number of Licenses Required. You have two license options:

- (a) Physical Cores on a Server.** You may license based on all of the physical cores on the server. If you choose this option, the number of licenses required equals the number of physical cores on the server multiplied by the applicable core factor located at go.microsoft.com/fwlink/?LinkID=229882.
- (b) Individual Virtual OSE.** You may license based on the virtual OSEs within the server in which you run the server software. If you choose this option, for each virtual OSE in which you run the server software, you need a number licenses equal to the number of virtual cores in the virtual OSE, subject to a minimum requirement of four licenses per virtual OSE. In addition, if any of these virtual cores is at any time mapped to more than one hardware thread, you need a license for each additional hardware thread mapped to that virtual core. Those licenses count toward the minimum requirement of four licenses per virtual OSE.

2.3 Assigning the Required Number of Licenses to the Server.

1.1.1.1. (a) Initial Assignment. After you determine the number of software licenses required for a server, you must assign that number of licenses to that server. The server to which a license is assigned is considered the “licensed server” for such license. You may not assign a license to more than one server. A hardware partition or blade is considered a separate server.

1.1.1.2. (b) Reassignment. You may reassign a license, but not within 90 days of its last assignment. You may reassign a license sooner if you retire the licensed server to which the license is assigned due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

2.4 Running Instances of the Server Software. Your right to run instances of the server software depends on the option chosen to determine the number of software licenses required:

1.1.1.3. (a) Physical Cores on a Server. For each server to which you have assigned the required number of licenses as provided in Section 2.2(a), you may run on the licensed server any number of instances of the server software in the physical OSE.

1.1.1.4. (b) Individual Virtual OSEs. For each virtual OSE for which you have assigned the required number of licenses as provided in section 2.2(b), you have the right to run any number of instances of the software in that virtual OSE.

2.5 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Client Tools Connectivity
- Documentation Components

2.6 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a)** You may create any number of instances of the server software and additional software.
- (b)** You may store instances of the server software and additional software on any of your servers or storage media.
- (c)** You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

2.7 No Client Access Licenses (CALs) Required for Access. Under this core license model, you do not need CALs for users or devices to access your instances of the server software.

3. USE RIGHTS FOR SERVER + CLIENT ACCESS LICENSE MODEL

3.1 Assigning the License to the Server.

1.1.1.5. (a) Initial Assignment. Before you run any instance of the server software under a software license, you must assign that license to one of your servers. That server is considered the “licensed server” for such license. You may not assign the same license to more than one server, but you may assign other software licenses to the same server. A hardware partition or blade is considered to be a separate server.

1.1.1.6. (b) Reassignment. You may reassign a software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

3.2 Running Instances of the Server Software. For each software license you assign to the server, you may run any number of instances of the server software in one physical or virtual OSE on the licensed server at a time.

3.3 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Client Tools Connectivity
- Documentation Components

3.4 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

3.5 Client Access Licenses (CALs).

(a) **Initial Assignment of CALs.** You must acquire and assign a SQL Server 2014 CAL to each device or user that accesses your instances of the server software directly or indirectly. A hardware partition or blade is considered to be a separate device.

- You do not need CALs for any of your servers licensed to run instances of the server software.
- You do not need CALs for up to two devices or users to access your instances of the server software only to administer those instances.
- Your CALs permit access to your instances of earlier versions, but not later versions, of the server software. If you are accessing instances of an earlier version, you may also use CALs corresponding to that version.

(b) **Types of CALs.** There are two types of CALs: one for devices and one for users. Each device CAL permits one device, used by any user, to access instances of the server software on your licensed servers. Each user CAL permits one user, using any device, to access instances of the server software on your licensed servers. You may use a combination of device and user CALs.

(c) **Reassignment of CALs.** You may

- permanently reassign your device CAL from one device to another, or your user CAL from one user to another; or
- temporarily reassign your device CAL to a loaner device while the first device is out of service, or your user CAL to a temporary worker while the user is absent.

4. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

4.1 Maximum Instances. The software or your hardware may limit the number of instances of the server software that can run in physical or virtual OSEs on the server.

4.2 Multiplexing. Hardware or software you use to

- pool connections,
- reroute information, or
- reduce the number of devices or users that directly access or use the software

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

4.3 No Separation of Server Software. You may not separate the server software for use in more than one OSE under a single license, unless expressly permitted. This applies even if the OSEs are on the same physical hardware system.

4.4 SQL Server Reporting Services Map Report Item. Power View and SQL Reporting Services Map Item both include use of Bing Maps. You may only use the content provided through Bing Maps, including geocodes, within Power View or SQL Reporting Services Map Item. Your use of Bing Maps is also governed by the Bing Maps End User Terms of Use available at go.microsoft.com/?linkid=9710837 and the Bing Maps Privacy Statement available at go.microsoft.com/fwlink/?LinkID=248686.

- 4.5 Included Microsoft Programs.** The software includes other Microsoft programs listed at go.microsoft.com/fwlink/?LinkID=298186. Microsoft is making these programs available to you as a convenience only and these programs are licensed and supported under their own separate terms and policies. You may only use these programs in conjunction with the software licensed here. If you do not agree to the license terms for these programs, you may not use them.
- 4.6 Runtime-Restricted Use Software.** The software is "Runtime-Restricted Use" software; as such, it may only be used to run the unified solution and only as part of the unified solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables. For clarity, you may use tools provided as part of the unified solution to create new tables during the unified solution set up and/or customization so long as the resulting tables will only be used with and/or as part of the unified solution itself.
- 4.7 Use of Software Within and Across Server Farms.** You may use the software on servers located within and across your server farm if and for so long as the software is only used with and as a part of the unified solution.
- 4.8 Outsourcing Company.** You may enter into an agreement with a third party that provides operational services or support services to you, including but not limited to network management, application management, or data center management services (including operation, maintenance and control of server hardware in a data center ("outsourcing company") to install or cause to be installed the unified solution on servers owned, operated, maintained and controlled by the outsourcing company, provided that: (i) all such server hardware on which the unified solution has been installed is and continuously remains physically dedicated to running the unified solution solely for the benefit and use by you and (ii) you have entered into a written agreement that protects the unified solutions and the software on commercially reasonable terms. Regardless of the physical location of the server hardware containing the software, you remain fully responsible for all of your obligations under this agreement, including any unauthorized use or distribution of the software that results from any act or omission of the outsourcing company. The outsourcing company must agree to the terms of this agreement in a signed writing. You may only grant the outsourcing company access to the software in order to perform operational and/or support services (including but not limited to software maintenance, patch updating, integration, etc.) for you, and the outsourcing company may not access or use the software for any other purpose.
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 - use the software for commercial software hosting services.
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- 11. BACKUP COPY.** You may make one backup copy of the software media. You may use it only to create instances of the software.
- 12. DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

13. **NOT FOR RESALE SOFTWARE.** You may not sell software marked as “NFR” or “Not for Resale.”
14. **ACADEMIC EDITION SOFTWARE.** You must be a “Qualified Educational User” to use software marked as “Academic Edition” or “AE.” If you do not know whether you are a Qualified Educational User, visit www.microsoft.com/education or contact the Microsoft affiliate serving your country.
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19. **NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.**
20. **NO WARRANTIES BY MICROSOFT. YOU AGREE THAT IF YOU HAVE RECEIVED ANY WARRANTIES WITH REGARD TO EITHER (A) THE SOFTWARE, OR (B) THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, THEN THOSE WARRANTIES ARE PROVIDED SOLELY BY THE LICENSOR AND DO NOT ORIGINATE FROM, AND ARE NOT BINDING ON, MICROSOFT.**
21. **NO LIABILITY OF MICROSOFT FOR CERTAIN DAMAGES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MICROSOFT SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE OR THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, INCLUDING WITHOUT LIMITATION, PENALTIES IMPOSED BY GOVERNMENT. THIS LIMITATION WILL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL MICROSOFT BE LIABLE FOR ANY AMOUNT IN EXCESS OF TWO HUNDRED FIFTY U.S. DOLLARS (US\$250.00).**
22. **FOR AUSTRALIA ONLY.** In this paragraph, “goods” refers to the software for which Microsoft provides the express warranty. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Goods presented for repair may be replaced by refurbished goods of the same type rather than being replaced. Refurbished parts may be used to repair the goods.

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Microsoft® SQL Server™ 2008, Standard Edition (Server Proc Runtime) Software

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- updates,
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BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE. INSTEAD, RETURN IT TO THE PLACE OF PURCHASE FOR A REFUND OR CREDIT.

These terms supersede any electronic terms which may be contained within the software. If any of the terms contained within the software conflict with these terms, these terms will control.

1. OVERVIEW.

- a. **Software.** The software includes
 - server software; and
 - additional software that may only be used with the server software directly, or indirectly through other additional software.
- b. **License Model.** The software is licensed based on
 - the number of physical and virtual processors used by operating system environments in which you run instances of the server software.

c. Licensing Terminology.

- **Instance.** You create an “instance” of software by executing the software’s setup or install procedure. You also create an instance of software by duplicating an existing instance. References to software in this agreement include “instances” of the software.
- **Run an Instance.** You “run an instance” of software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
- **Operating System Environment.** An “operating system environment” is
 - all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights, and
 - instances of applications, if any, configured to run on the operating system instance or parts identified above.

There are two types of operating system environments, physical and virtual. A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software (e.g. Microsoft Virtual Server or similar technologies) or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment. A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system. A physical hardware system can have either or both of the following:

- one physical operating system environment
- one or more virtual operating system environments.
- **Server.** A “server” is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.
- **Physical and Virtual Processors.** A physical processor is a processor in a physical hardware system. Physical operating system environments use physical processors. A virtual processor is a processor in a virtual (or otherwise emulated) hardware system. Virtual operating system environments use virtual processors. A virtual processor is considered to have the same number of threads and cores as each physical processor on the underlying physical hardware system.
- **Assigning a License.** To “assign a license” means simply to designate that license to one server.

2. USE RIGHTS.

a. **Licensing a Server.** Before you run instances of the server software on a server, you must determine the required number of software licenses and assign those licenses to that server as described below.

- i. **Determining the Number of Licenses Required.** You must first determine the number of software licenses you need. The total number of software licenses required for a server equals the sum of the software licenses required under (A) and (B) below.
 - (A) To run instances of the server software in the physical operating system environment on a server, you need a software license for each physical processor that the physical operating system environment uses.
 - (B) To run instances of the server software in virtual operating system environments on a server, you need a software license for each virtual processor that each of those virtual operating system environments uses. If a virtual operating system environment uses a fraction of a virtual processor, the fraction counts as a full virtual processor.

b. **Assigning the Required Number of Licenses to the Server.**

- i. After you determine the number of software licenses you need for a server, you must assign that number of software licenses to that server. That server is the licensed server for all of those licenses. You may not assign the same license to more than one server. A hardware partition or blade is considered to be a separate server.
- ii. You may reassign the software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

c. **Running Instances of the Server Software.** For each server to which you have assigned the required number of software licenses, you may run, at any one time, any number of instances of the server software in physical and virtual operating system environments on the licensed server. However, the total number of physical and virtual processors used by those operating system environments cannot exceed the number of software licenses assigned to that server.

d. **Running Instances of the Additional Software.** You may run or otherwise use any number of instances of additional software listed below in physical or virtual operating system environments on any number of devices so long as the additional software is used only in conjunction with the integrated software turnkey application or suite of applications (the “Unified Solution”) delivered by or on behalf of the Licensor. You may use additional software only with the server software directly or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
- Client Tools Software Development Kit

- Management Studio
- Microsoft Sync Framework
- SQL Server 2008 Books Online

e. **Runtime-Restricted Use Software.** The software is “Runtime-Restricted Use” software; as such, it may only be used to run the Unified Solution solely as part of the Unified Solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables.

f. **Creating and Storing Instances on Your Servers or Storage Media.** You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and additional software.
- You may store instances of the server software and additional software on any of your servers or storage media.
- You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

g. **No Client Access Licenses (CALs) Required for Access.** You do not need CALs for the other devices to access your instances of the server software.

3. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. **Maximum Instances.** The software or your hardware may limit the number of instances of the server software that can run in physical or virtual operating system environments on the server.

b. **Multiplexing.** Hardware or software you use to

- pool connections,
- reroute information, and
- reduce the number of devices or users that directly access or use the software, or
- reduce the number of devices or users the software directly manages,

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

c. **Included Microsoft Programs.** The software contains other Microsoft programs. The license terms with those programs apply to your use of them.

d. **No Separation of Server Software.** You may not separate the server software for use in more than one operating system environment under a single license, unless expressly permitted. This applies even if the operating system environments are on the same physical hardware system.

e. **Fail-over Server.** For any operating system environment in which you run instances of the server software, you may run up to the same number of passive fail-over instances in a separate operating system environment for temporary support. The number of processors used in that separate operating system environment must not exceed the number of processors used in the corresponding operating system environment in which the active instances are running. You may run the passive fail-over instances on a server other than the licensed server.

4. **INTERNET-BASED SERVICES.** Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

5. **MICROSOFT .NET FRAMEWORK AND POWERSHELL SOFTWARE.** The software contains Microsoft .NET Framework and PowerShell software. These software components are part of Windows.

6. **BENCHMARK TESTING.** You must obtain Microsoft’s prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Windows components. For Microsoft .NET Framework see below.

7. **MICROSOFT .NET FRAMEWORK.** The software includes one or more components of the .NET Framework (“.NET Components”). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>.

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- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
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- rent, lease or lend the software; or
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13. **Transfer to Another Device.** You may uninstall the software and install it on another device for your use solely as part of the Unified Solution. You may not do so to share this license between devices to reduce the number of licenses you need.
14. **TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it, this agreement, and CALs, directly to another end user as part of a transfer of the Unified Solution delivered to you by or on behalf of the Licensor solely as part of the Unified Solution. Before the transfer, that end user must agree that this agreement applies to the transfer and use of the software. The first user may not retain any instances of the software unless that user also retains another license for the software.
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18. **NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.**
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These terms supersede any electronic terms which may be contained within the software. If any of the terms contained within the software conflict with these terms, these terms will control.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW FOR EACH SOFTWARE LICENSE YOU ACQUIRE.

1. **OVERVIEW.**
 - a. **Software.** The software includes
 - server software; and

- additional software that may only be used with the server software directly, or indirectly through other additional software.

b. License Model. The software is licensed based on

- the number of instances of server software that you run; and
- the number of devices and users that access instances of server software.

c. Licensing Terminology.

- **Instance.** You create an “instance” of software by executing the software’s setup or install procedure. You also create an instance of software by duplicating an existing instance. References to software in this agreement include “instances” of the software.
- **Run an Instance.** You “run an instance” of software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
- **Operating System Environment.** An “operating system environment” is
 - all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights, and
 - instances of applications, if any, configured to run on the operating system instance or parts identified above.
 There are two types of operating system environments, physical and virtual. A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software (e.g. Microsoft Virtual Server or similar technologies) or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment. A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system. A physical hardware system can have either or both of the following:
 - one physical operating system environment
 - one or more virtual operating system environments.
- **Server.** A “server” is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.
- **Assigning a License.** To “assign a license” means simply to designate that license to one device or user.

2. USE RIGHTS.

a. Assigning the License to the Server.

- Before you run any instance of the server software under a software license, you must assign that license to one of your servers. That server is the licensed server for that particular license. You may assign other software licenses to the same server, but you may not assign the same license to more than one server. A hardware partition or blade is considered to be a separate server.
- You may reassign a software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

b. Running Instances of the Server Software. You may run any number of instances of the server software in one physical or virtual operating system environment on the licensed server at a time.

c. Running Instances of the Additional Software. You may run or otherwise use any number of instances of additional software listed below in physical or virtual operating system environments on any number of devices solely to support your use of the integrated software turnkey application or suite of applications (the “Unified Solution”) delivered by or on behalf of the Licensor. You may use additional software only with the server software directly or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
- Client Tools Software Development Kit
- Management Studio
- Microsoft Sync Framework
- SQL Server 2008 Books Online

d. Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights below for each software license you acquire.

- You may create any number of instances of the server software and additional software.
- You may store instances of the server software and additional software on any of your servers or storage media.
- You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

e. Included Microsoft Programs. The software contains other Microsoft programs. The license terms with those programs apply to your use of them.

3. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. Client Access Licenses (CALs).

- You must acquire and assign a SQL Server 2008 CAL to each device or user that accesses your instances of the server software directly or indirectly. A hardware partition or blade is considered to be a separate device.
 - You may not access instances of the server software under Workgroup Edition CALs.

- You may use your Windows Small Business Server (“SBS”) 2008 CAL Suite for Premium Users or Devices instead of SQL Server 2008 CALs to access your instances of the server software within an SBS 2008 domain.
- You may use your Windows Essential Business Server (“EBS”) 2008 CAL Suite for Premium Users or Devices instead of SQL Server 2008 CALs to access your instances of the server software within an EBS domain.
- You do not need CALs for any of your servers licensed to run instances of the server software.
- You do not need CALs for up to two devices or users to access your instances of the server software only to administer those instances.
- Your CALs permit access to your instances of earlier versions, but not later versions, of the server software. If you are accessing instances of an earlier version, you may also use CALs corresponding to that version.

ii. **Types of CALs.** There are two types of CALs: one for devices and one for users. Each device CAL permits one device, used by any user, to access instances of the server software on your licensed servers. Each user CAL permits one user, using any device, to access instances of the server software on your licensed servers. You may use a combination of device and user CALs.

iii. **Reassignment of CALs.** You may

- permanently reassign your device CAL from one device to another, or your user CAL from one user to another; or
- temporarily reassign your device CAL to a loaner device while the first device is out of service, or your user CAL to a temporary worker while the user is absent.

b. **Runtime-Restricted Use Software.** The software is “Runtime-Restricted Use” software; as such, it may only be used in conjunction with the Unified Solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the unified solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables. A CAL permits you to access instances of only the Runtime-Restricted User version of the server software licensed and delivered to you as part of the Unified Solution, in accordance with the other terms of the agreement.

c. **Maximum Instances.** The software or your hardware may limit the number of instances of the server software that can run in physical or virtual operating system environments on the server.

d. **Multiplexing.** Hardware or software you use to

- pool connections,
- reroute information, and
- reduce the number of devices or users that directly access or use the software, or
- reduce the number of devices or users the software directly manages.

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

e. **No Separation of Server Software.** You may not separate the server software for use in more than one operating system environment under a single license, unless expressly permitted. This applies even if the operating system environments are on the same physical hardware system.

f. **Fail-over Server.** For any operating system environment in which you run instances of the server software, you may run up to the same number of passive fail-over instances in a separate operating system environment for temporary support. You may run the passive fail-over instances on a server other than the licensed server.

4. **INTERNET-BASED SERVICES.** Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

5. **NET FRAMEWORK AND POWERSHELL SOFTWARE.** The software contains Microsoft .NET Framework and PowerShell software. These software components are part of Windows.

6. **BENCHMARK TESTING.** You must obtain Microsoft’s prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Windows components. For Microsoft .NET Framework see below.

7. **MICROSOFT .NET FRAMEWORK.** The software includes one or more components of the .NET Framework (“.NET Components”). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at <http://go.microsoft.com/fwlink/?LinkID=66406>.

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- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
- publish the software for others to copy;
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10. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
11. **NOT FOR RESALE SOFTWARE.** You may not sell software marked as “NFR” or “Not for Resale.”
12. **ACADEMIC EDITION SOFTWARE.** You must be a “Qualified Educational User” to use software marked as “Academic Edition” or “AE.” If you do not know whether you are a Qualified Educational User, visit www.microsoft.com/education or contact the Microsoft affiliate serving your country.
13. **Transfer to Another Device.** You may uninstall the software and install it on another device for your use solely as part of the Unified Solution. You may not do so to share this license between devices to reduce the number of licenses you need.
14. **TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it, this agreement, and CALs, directly to another end user as part of a transfer of the Unified Solution delivered to you by or on behalf of the Licensor solely as part of the Unified Solution. Before the transfer, that end user must agree that this agreement applies to the transfer and use of the software. The first user may not retain any instances of the software unless that user also retains another license for the software.
15. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.
16. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, and Internet-based services that you use, are the entire agreement for the software.
17. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the Licensor from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.
18. **NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.**
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Microsoft® SQL Server™ 2012, Standard Edition (Server CAL Runtime) Software

OVERVIEW

1.1 Software. The software includes

- server software, and
- additional software that may only be used with the server software directly, or indirectly through other additional software.

1.2 License Model. The software is licensed based on either the:

- **Core License Model** – the number of physical and/or virtual cores in the server; or
- **Server + Client** – the number of instances of server software that you run, and the number of devices and users that access instances of server software.

1.3 Licensing Terminology.

- **Instance.** You create an “instance” of the software by executing the software’s setup or install procedure. You also create an instance of the software by duplicating an existing instance. References to the “software” in this agreement include “instances” of the software.
- **Run an Instance.** You “run an instance” of the software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
- **Operating System Environment (“OSE”).** An “operating system environment” or “OSE” is
 - (i) all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights; and
 - (ii) instances of applications, if any, configured to run on the operating system instance or parts identified above.

A physical hardware system can have either or both of the following:

- one physical operating system environment;

- one or more virtual operating system environments.

A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment.

A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system.

- **Server.** A server is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.
- **Physical Core.** A physical core is a core in a physical processor. A physical processor consists of one or more physical cores.
- **Hardware Thread.** A hardware thread is either a physical core or a hyper-thread in a physical processor.
- **Virtual Core.** A virtual core is the unit of processing power in a virtual (or otherwise emulated) hardware system. A virtual core is the virtual representation of one or more hardware threads. Virtual OSEs use one or more virtual cores.
- **Assigning a License.** To assign a license is to designate that license to a server, device or user as indicated below.
- **Core Factor.** The core factor is a numerical value associated with a specific physical processor for purposes of determining the number of licenses required to license all of the physical cores on a server.

USE RIGHTS FOR CORE LICENSE MODEL.

2.1 Licensing a Server. Before you run instances of the server software on a server, you must determine the number of software licenses required and assign those licenses to that server as described below.

2.2 Determining the Number of Licenses Required. You have two license options:

- (a) **Physical Cores on a Server.** You may license based on all of the physical cores on the server. If you choose this option, the number of licenses required equals the number of physical cores on the server multiplied by the applicable core factor located at <http://go.microsoft.com/fwlink/?LinkID=229882>.
- (b) **Individual Virtual OSE.** You may license based on the virtual OSEs within the server in which you run the server software. If you choose this option, for each virtual OSE in which you run the server software, you need a number licenses equal to the number of virtual cores in the virtual OSE, subject to a minimum requirement of four licenses per virtual OSE. In addition, if any of these virtual cores is at any time mapped to more than one hardware thread, you need a license for each additional hardware thread mapped to that virtual core. Those licenses count toward the minimum requirement of four licenses per virtual OSE.

2.3 Assigning the Required Number of Licenses to the Server.

Initial Assignment. After you determine the number of software licenses required for a server, you must assign that number of licenses to that server. The server to which a license is assigned is considered the “licensed server” for such license. You may not assign a license to more than one server. A hardware partition or blade is considered a separate server.

Reassignment. You may reassign a license, but not within 90 days of its last assignment. You may reassign a license sooner if you retire the licensed server to which the license is assigned due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

2.4 Running Instances of the Server Software. Your right to run instances of the server software depends on the option chosen to determine the number of software licenses required:

- (a) **Physical Cores on a Server.** For each server to which you have assigned the required number of licenses as provided in Section 2.2(a), you may run on the licensed server any number of instances of the server software in the physical OSE.
- (b) **Individual Virtual OSEs.** For each virtual OSE for which you have assigned the required number of licenses as provided in section 2.2(b) , you have the right to run any number of instances of the software in that virtual OSE.

2.5 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
- Client Tools SDK
- Data Quality Client
- Data Quality Services
- Distributed Replay Client
- Distributed Replay Controller
- Management Tools - Basic
- Management Tools - Complete
- Reporting Services – SharePoint
- Reporting Services Add-in for SharePoint Products
- Master Data Services

- Sync Framework
- SQL Client Connectivity SDK
- SQL Server 2012 Books Online

2.6 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

2.7 No Client Access Licenses (CALs) Required for Access. Under this core license model, you do not need CALs for users or devices to access your instances of the server software.

USE RIGHTS FOR SERVER + CLIENT ACCESS LICENSE MODEL

3.1 Assigning the License to the Server.

- (a) Initial Assignment. Before you run any instance of the server software under a software license, you must assign that license to one of your servers. That server is considered the “licensed server” for such license. You may not assign the same license to more than one server, but you may assign other software licenses to the same server. A hardware partition or blade is considered to be a separate server.
- (b) Reassignment. You may reassign a software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

3.2 Running Instances of the Server Software. For each software license you assign to the server, you may run any number of instances of the server software in one physical or virtual OSE on the licensed server at a time.

3.3 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
- Client Tools SDK
- Data Quality Client
- Data Quality Services
- Distributed Replay Client
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- Management Tools - Basic
- Management Tools - Complete
- Reporting Services – SharePoint
- Reporting Services Add-in for SharePoint Products
- Master Data Services
- Sync Framework
- SQL Client Connectivity SDK
- SQL Server 2012 Books Online

3.4 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

3.5 Client Access Licenses (CALs).

- (a) **Initial Assignment of CALs.** You must acquire and assign a SQL Server 2012 CAL to each device or user that accesses your instances of the server software directly or indirectly. A hardware partition or blade is considered to be a separate device.
 - You do not need CALs for any of your servers licensed to run instances of the server software.
 - You do not need CALs for up to two devices or users to access your instances of the server software only to administer those instances.
 - Your CALs permit access to your instances of earlier versions, but not later versions, of the server software. If you are accessing instances of an earlier version, you may also use CALs corresponding to that version.

(b) Types of CALs. There are two types of CALs: one for devices and one for users. Each device CAL permits one device, used by any user, to access instances of the server software on your licensed servers. Each user CAL permits one user, using any device, to access instances of the server software on your licensed servers. You may use a combination of device and user CALs.

(c) Reassignment of CALs. You may

- permanently reassign your device CAL from one device to another, or your user CAL from one user to another; or
- temporarily reassign your device CAL to a loaner device while the first device is out of service, or your user CAL to a temporary worker while the user is absent.

3.6 Runtime-Restricted Use Software. The software is “Runtime-Restricted Use” software; as such, it may only be used in conjunction with the Unified Solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables. A CAL permits you to access instances of only the Runtime-Restricted User version of the server software licensed and delivered to you as part of the Unified Solution, in accordance with the other terms of the agreement.

ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

4.1 Alternative Versions

The software may include more than one version, such as 32-bit and 64-bit. For each instance of the software that you are permitted to create, store and run, you may use either version.

4.2 Maximum Instances. The software or your hardware may limit the number of instances of the server software that can run in physical or virtual OSEs on the server.

4.3 Multiplexing. Hardware or software you use to

- pool connections,
- reroute information, or
- reduce the number of devices or users that directly access or use the software

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

4.4 No Separation of Server Software. You may not separate the server software for use in more than one OSE under a single license, unless expressly permitted. This applies even if the OSEs are on the same physical hardware system.

4.5 Fail-over Server. For any OSE in which you run instances of the server software, you may run up to the same number of passive fail-over instances in a separate OSE for temporary support. You may run the passive fail-over instances on a server other than the licensed server. However, if you have licensed the server software under section 2.2(a) and the OSE in which you run the passive fail-over instances is on a separate server, the number of physical cores on the separate server must not exceed the number of physical cores on the licensed server and the core factor for the physical processors in that server must be the same or lower than the core factor for the physical processors in the licensed server. If you have licensed the server software under section 2.2(b), the number of hardware threads used in that separate OSE must not exceed the number of hardware threads used in the corresponding OSE in which the active instances run.

4.6 SQL Server Reporting Services Map Report Item. The software may include features that retrieve content such as maps, images and other data through the Bing Maps (or successor branded) application programming interface (the “Bing Maps APIs”). The purpose of these features is to create reports displaying data on top of maps, aerial and hybrid imagery. If these features are included, you may use them to create and view dynamic or static documents. This may be done only in conjunction with and through methods and means of access integrated in the software. You may not otherwise copy, store, archive, or create a database of the content available through the Bing Maps APIs. You may not use the following for any purpose even if they are available through the Bing Maps APIs:

- Bing Maps APIs to provide sensor based guidance/routing, or
- any Road Traffic Data or Bird's Eye Imagery (or associated metadata).

Your use of the Bing Maps APIs and associated content is also subject to the additional terms and conditions at go.microsoft.com/fwlink/?LinkId=21969.

4.7 Included Microsoft Programs. The software includes other Microsoft programs listed at <http://go.microsoft.com/fwlink/?LinkId=231864>, which are licensed under the terms and conditions associated with them. You may only use these programs in conjunction with the software licensed here. If you do not accept the license terms associated with a program, you may not use that program.

5 INTERNET-BASED SERVICES. Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

6 BENCHMARK TESTING. You must obtain Microsoft's prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).

7 .NET FRAMEWORK SOFTWARE. The software contains Microsoft .NET Framework software. This software is part of Windows. The license terms for Windows apply to your use of the .NET Framework software

8 MICROSOFT .NET FRAMEWORK BENCHMARK TESTING. The software includes one or more components of the .NET Framework (“.NET Components”). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkId=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such

benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkID=66406.

9 SCOPE OF LICENSE. The software is licensed, not sold. This agreement only gives you some rights to use the software. Licensor and Microsoft reserve all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
- publish the software, including any application programming interfaces included in the software, for others to copy;
- share or otherwise distribute documents, text or images created using the software Data Mapping Services features;
- rent, lease or lend the software; or
- use the software for commercial software hosting services.

You also may not remove, minimize, block or modify any logos, trademarks, copyright, digital watermarks, or other notices of Microsoft or its suppliers that are included in the software, including any content made available to you through the software;

Rights to access the software on any device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access that device.

10 BACKUP COPY. You may make one backup copy of the software media. You may use it only to create instances of the software.

11 DOCUMENTATION. Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

12 NOT FOR RESALE SOFTWARE. You may not sell software marked as “NFR” or “Not for Resale.”

13 ACADEMIC EDITION SOFTWARE. You must be a “Qualified Educational User” to use software marked as “Academic Edition” or “AE.” If you do not know whether you are a Qualified Educational User, visit www.microsoft.com/education or contact the Microsoft affiliate serving your country.

14 PROOF OF LICENSE. If you acquired the software on a disc or other media, a genuine Microsoft Proof of License label with a genuine copy of the software identifies licensed software. To be valid, this label must appear on Microsoft packaging and may not be transferred separately. If you receive the label separately, it is invalid. You should keep the packaging that has the label on it to prove that you are licensed to use the software. To identify genuine Microsoft software, see www.howtotell.com.

15 TRANSFER TO A THIRD PARTY. The first user of the software may transfer it and this agreement directly to another end user as part of a transfer of the integrated software turnkey application or suite of applications (the “Unified Solution”) delivered to you by or on behalf of the Licensor solely as part of the Unified Solution. Before the transfer, that end user must agree that this agreement applies to the transfer and use of the software. The transfer must include the software and the Proof of License label. The first user may not retain any instances of the software unless that user also retains another license for the software.

16 EXPORT RESTRICTIONS. The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

17 ENTIRE AGREEMENT. This agreement and the terms for supplements, updates, Internet-based services that you use, are the entire agreement for the software.

18 LEGAL EFFECT. This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the Licensor from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.

19 NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.

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21 NO LIABILITY OF MICROSOFT FOR CERTAIN DAMAGES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MICROSOFT SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE OR THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, INCLUDING WITHOUT LIMITATION, PENALTIES IMPOSED BY GOVERNMENT. THIS LIMITATION WILL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL MICROSOFT BE LIABLE FOR ANY AMOUNT IN EXCESS OF TWO HUNDRED FIFTY U.S. DOLLARS (US\$250.00).

22 FOR AUSTRALIA ONLY. References to “Limited Warranty” are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees under the Australian Consumer Law.

If the Australian Consumer Law applies to your purchase, the following applies to you: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Microsoft® SQL Server™ 2012, Standard Edition (Server CAL Runtime) Software

OVERVIEW

1.1 Software. The software includes

- server software, and
- additional software that may only be used with the server software directly, or indirectly through other additional software.

1.2 License Model. The software is licensed based on either the:

- **Core License Model** – the number of physical and/or virtual cores in the server; or
- **Server + Client** – the number of instances of server software that you run, and the number of devices and users that access instances of server software.

1.3 Licensing Terminology.

- **Instance.** You create an “instance” of the software by executing the software’s setup or install procedure. You also create an instance of the software by duplicating an existing instance. References to the “software” in this agreement include “instances” of the software.
- **Run an Instance.** You “run an instance” of the software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.
- **Operating System Environment (“OSE”).** An “operating system environment” or “OSE” is
 - (iii) all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights; and
 - (iv) instances of applications, if any, configured to run on the operating system instance or parts identified above.

A physical hardware system can have either or both of the following:

- one physical operating system environment;
- one or more virtual operating system environments.

A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment.

A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system.

- **Server.** A server is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.
- **Physical Core.** A physical core is a core in a physical processor. A physical processor consists of one or more physical cores.
- **Hardware Thread.** A hardware thread is either a physical core or a hyper-thread in a physical processor.
- **Virtual Core.** A virtual core is the unit of processing power in a virtual (or otherwise emulated) hardware system. A virtual core is the virtual representation of one or more hardware threads. Virtual OSEs use one or more virtual cores.
- **Assigning a License.** To assign a license is to designate that license to a server, device or user as indicated below.
- **Core Factor.** The core factor is a numerical value associated with a specific physical processor for purposes of determining the number of licenses required to license all of the physical cores on a server.

USE RIGHTS FOR CORE LICENSE MODEL.

2.1 Licensing a Server. Before you run instances of the server software on a server, you must determine the number of software licenses required and assign those licenses to that server as described below.

2.2 Determining the Number of Licenses Required. You have two license options:

- (c) **Physical Cores on a Server.** You may license based on all of the physical cores on the server. If you choose this option, the number of licenses required equals the number of physical cores on the server multiplied by the applicable core factor located at <http://go.microsoft.com/fwlink/?LinkID=229882>.
- (d) **Individual Virtual OSE.** You may license based on the virtual OSEs within the server in which you run the server software. If you choose this option, for each virtual OSE in which you run the server software, you need a number licenses equal to the

number of virtual cores in the virtual OSE, subject to a minimum requirement of four licenses per virtual OSE. In addition, if any of these virtual cores is at any time mapped to more than one hardware thread, you need a license for each additional hardware thread mapped to that virtual core. Those licenses count toward the minimum requirement of four licenses per virtual OSE.

2.3 Assigning the Required Number of Licenses to the Server.

Initial Assignment. After you determine the number of software licenses required for a server, you must assign that number of licenses to that server. The server to which a license is assigned is considered the “licensed server” for such license. You may not assign a license to more than one server. A hardware partition or blade is considered a separate server.

Reassignment. You may reassign a license, but not within 90 days of its last assignment. You may reassign a license sooner if you retire the licensed server to which the license is assigned due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

2.4 Running Instances of the Server Software.

Your right to run instances of the server software depends on the option chosen to determine the number of software licenses required:

- (a) Physical Cores on a Server. For each server to which you have assigned the required number of licenses as provided in Section 2.2(a), you may run on the licensed server any number of instances of the server software in the physical OSE.
- (b) Individual Virtual OSEs. For each virtual OSE for which you have assigned the required number of licenses as provided in section 2.2(b) , you have the right to run any number of instances of the software in that virtual OSE.

2.5 Running Instances of the Additional Software.

You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

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Management Tools - Basic
Management Tools - Complete
Reporting Services – SharePoint
Reporting Services Add-in for SharePoint Products
Master Data Services
Sync Framework
SQL Client Connectivity SDK
SQL Server 2012 Books Online

2.6 Creating and Storing Instances on Your Servers or Storage Media.

You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

2.7 No Client Access Licenses (CALs) Required for Access.

Under this core license model, you do not need CALs for users or devices to access your instances of the server software.

USE RIGHTS FOR SERVER + CLIENT ACCESS LICENSE MODEL

3.1 Assigning the License to the Server.

- (a) Initial Assignment. Before you run any instance of the server software under a software license, you must assign that license to one of your servers. That server is considered the “licensed server” for such license. You may not assign the same license to more than one server, but you may assign other software licenses to the same server. A hardware partition or blade is considered to be a separate server.
- (b) Reassignment. You may reassign a software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

3.2 Running Instances of the Server Software.

For each software license you assign to the server, you may run any number of instances of the server software in one physical or virtual OSE on the licensed server at a time.

3.3 Running Instances of the Additional Software.

You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
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- Data Quality Client
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- Distributed Replay Client
- Distributed Replay Controller
- Management Tools - Basic
- Management Tools - Complete
- Reporting Services – SharePoint
- Reporting Services Add-in for SharePoint Products
- Master Data Services
- Sync Framework
- SQL Client Connectivity SDK
- SQL Server 2012 Books Online

3.4 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

3.5 Client Access Licenses (CALs).

(d) Initial Assignment of CALs. You must acquire and assign a SQL Server 2012 CAL to each device or user that accesses your instances of the server software directly or indirectly. A hardware partition or blade is considered to be a separate device.

- You do not need CALs for any of your servers licensed to run instances of the server software.
- You do not need CALs for up to two devices or users to access your instances of the server software only to administer those instances.
- Your CALs permit access to your instances of earlier versions, but not later versions, of the server software. If you are accessing instances of an earlier version, you may also use CALs corresponding to that version.

(e) Types of CALs. There are two types of CALs: one for devices and one for users. Each device CAL permits one device, used by any user, to access instances of the server software on your licensed servers. Each user CAL permits one user, using any device, to access instances of the server software on your licensed servers. You may use a combination of device and user CALs.

(f) Reassignment of CALs. You may

- permanently reassign your device CAL from one device to another, or your user CAL from one user to another; or
- temporarily reassign your device CAL to a loaner device while the first device is out of service, or your user CAL to a temporary worker while the user is absent.

3.6 Runtime-Restricted Use Software. The software is “Runtime-Restricted Use” software; as such, it may only be used in conjunction with the Unified Solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables. A CAL permits you to access instances of only the Runtime-Restricted User version of the server software licensed and delivered to you as part of the Unified Solution, in accordance with the other terms of the agreement.

ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

4.1 Alternative Versions

The software may include more than one version, such as 32-bit and 64-bit. For each instance of the software that you are permitted to create, store and run, you may use either version.

4.2 Maximum Instances. The software or your hardware may limit the number of instances of the server software that can run in physical or virtual OSEs on the server.

4.3 Multiplexing. Hardware or software you use to

- pool connections,
- reroute information, or
- reduce the number of devices or users that directly access or use the software

(sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

- 4.4 No Separation of Server Software.** You may not separate the server software for use in more than one OSE under a single license, unless expressly permitted. This applies even if the OSEs are on the same physical hardware system.
- 4.5 Fail-over Server.** For any OSE in which you run instances of the server software, you may run up to the same number of passive fail-over instances in a separate OSE for temporary support. You may run the passive fail-over instances on a server other than the licensed server. However, if you have licensed the server software under section 2.2(a) and the OSE in which you run the passive fail-over instances is on a separate server, the number of physical cores on the separate server must not exceed the number of physical cores on the licensed server and the core factor for the physical processors in that server must be the same or lower than the core factor for the physical processors in the licensed server. If you have licensed the server software under section 2.2(b), the number of hardware threads used in that separate OSE must not exceed the number of hardware threads used in the corresponding OSE in which the active instances run.
- 4.6 SQL Server Reporting Services Map Report Item.** The software may include features that retrieve content such as maps, images and other data through the Bing Maps (or successor branded) application programming interface (the “Bing Maps APIs”). The purpose of these features is to create reports displaying data on top of maps, aerial and hybrid imagery. If these features are included, you may use them to create and view dynamic or static documents. This may be done only in conjunction with and through methods and means of access integrated in the software. You may not otherwise copy, store, archive, or create a database of the content available through the Bing Maps APIs. You may not use the following for any purpose even if they are available through the Bing Maps APIs:
- Bing Maps APIs to provide sensor based guidance/routing, or
 - any Road Traffic Data or Bird’s Eye Imagery (or associated metadata).
- Your use of the Bing Maps APIs and associated content is also subject to the additional terms and conditions at go.microsoft.com/fwlink/?LinkId=21969.
- 4.7 Included Microsoft Programs.** The software includes other Microsoft programs listed at <http://go.microsoft.com/fwlink/?LinkId=231864>, which are licensed under the terms and conditions associated with them. You may only use these programs in conjunction with the software licensed here. If you do not accept the license terms associated with a program, you may not use that program.
- 5 INTERNET-BASED SERVICES.** Microsoft provides Internet-based services with the software. It may change or cancel them at any time.
- 6 BENCHMARK TESTING.** You must obtain Microsoft’s prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).
- 7 .NET FRAMEWORK SOFTWARE.** The software contains Microsoft .NET Framework software. This software is part of Windows. The license terms for Windows apply to your use of the .NET Framework software
- 8 MICROSOFT .NET FRAMEWORK BENCHMARK TESTING.** The software includes one or more components of the .NET Framework (“.NET Components”). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkId=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkId=66406.
- 9 SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Licensor and Microsoft reserve all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not
- work around any technical limitations in the software;
 - reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
 - make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
 - publish the software, including any application programming interfaces included in the software, for others to copy;
 - share or otherwise distribute documents, text or images created using the software Data Mapping Services features;
 - rent, lease or lend the software; or
 - use the software for commercial software hosting services.
- You also may not remove, minimize, block or modify any logos, trademarks, copyright, digital watermarks, or other notices of Microsoft or its suppliers that are included in the software, including any content made available to you through the software;
- Rights to access the software on any device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access that device.
- 10 BACKUP COPY.** You may make one backup copy of the software media. You may use it only to create instances of the software.
- 11 DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
- 12 NOT FOR RESALE SOFTWARE.** You may not sell software marked as “NFR” or “Not for Resale.”
- 13 ACADEMIC EDITION SOFTWARE.** You must be a “Qualified Educational User” to use software marked as “Academic Edition” or “AE.” If you do not know whether you are a Qualified Educational User, visit www.microsoft.com/education or contact the Microsoft affiliate serving your country.

- 14 PROOF OF LICENSE.** If you acquired the software on a disc or other media, a genuine Microsoft Proof of License label with a genuine copy of the software identifies licensed software. To be valid, this label must appear on Microsoft packaging and may not be transferred separately. If you receive the label separately, it is invalid. You should keep the packaging that has the label on it to prove that you are licensed to use the software. To identify genuine Microsoft software, see www.howtotell.com.
- 15 TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it and this agreement directly to another end user as part of a transfer of the integrated software turnkey application or suite of applications (the "Unified Solution") delivered to you by or on behalf of the Licensor solely as part of the Unified Solution. Before the transfer, that end user must agree that this agreement applies to the transfer and use of the software. The transfer must include the software and the Proof of License label. The first user may not retain any instances of the software unless that user also retains another license for the software.
- 16 EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.
- 17 ENTIRE AGREEMENT.** This agreement and the terms for supplements, updates, Internet-based services that you use, are the entire agreement for the software.
- 18 LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the Licensor from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.
- 19 NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.**
- 20 NO WARRANTIES BY MICROSOFT. YOU AGREE THAT IF YOU HAVE RECEIVED ANY WARRANTIES WITH REGARD TO EITHER (A) THE SOFTWARE, OR (B) THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, THEN THOSE WARRANTIES ARE PROVIDED SOLELY BY THE LICENSOR AND DO NOT ORIGINATE FROM, AND ARE NOT BINDING ON, MICROSOFT.**
- 21 NO LIABILITY OF MICROSOFT FOR CERTAIN DAMAGES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MICROSOFT SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE OR THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, INCLUDING WITHOUT LIMITATION, PENALTIES IMPOSED BY GOVERNMENT. THIS LIMITATION WILL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL MICROSOFT BE LIABLE FOR ANY AMOUNT IN EXCESS OF TWO HUNDRED FIFTY U.S. DOLLARS (US\$250.00).**
- 22 FOR AUSTRALIA ONLY. References to "Limited Warranty" are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees under the Australian Consumer Law.**

If the Australian Consumer Law applies to your purchase, the following applies to you: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Microsoft® SQL Server™ 2012, Standard Edition (Core-based Runtime) Software

OVERVIEW.

1.1 Software.

The software includes server software, and additional software that may only be used with the server software directly, or indirectly through other additional software.

1.2 License Model.

The software is licensed based on either the:

Core License Model – the number of physical and/or virtual cores in the server; or

Server + Client – the number of instances of server software that you run, and the number of devices and users that access instances of server software.

1.3 Licensing Terminology.

Instance. You create an "instance" of the software by executing the software's setup or install procedure. You also create an instance of the software by duplicating an existing instance. References to the "software" in this agreement include "instances" of the software.

Run an Instance. You "run an instance" of the software by loading it into memory and executing one or more of its instructions. Once running, an instance is considered to be running (whether or not its instructions continue to execute) until it is removed from memory.

Operating System Environment ("OSE"). An "operating system environment" or "OSE" is

- (i) all or part of an operating system instance, or all or part of a virtual (or otherwise emulated) operating system instance which enables separate machine identity (primary computer name or similar unique identifier) or separate administrative rights; and
- (ii) instances of applications, if any, configured to run on the operating system instance or parts identified above.

A physical hardware system can have either or both of the following:

- one physical operating system environment;
- one or more virtual operating system environments.

A physical operating system environment is configured to run directly on a physical hardware system. The operating system instance used to run hardware virtualization software or to provide hardware virtualization services (e.g. Microsoft virtualization technology or similar technologies) is considered part of the physical operating system environment.

A virtual operating system environment is configured to run on a virtual (or otherwise emulated) hardware system.

Server. A server is a physical hardware system capable of running server software. A hardware partition or blade is considered to be a separate physical hardware system.

Physical Core. A physical core is a core in a physical processor. A physical processor consists of one or more physical cores.

Hardware Thread. A hardware thread is either a physical core or a hyper-thread in a physical processor.

Virtual Core. A virtual core is the unit of processing power in a virtual (or otherwise emulated) hardware system. A virtual core is the virtual representation of one or more hardware threads. Virtual OSEs use one or more virtual cores.

Assigning a License. To assign a license is to designate that license to a server, device or user as indicated below.

Core Factor. The core factor is a numerical value associated with a specific physical processor for purposes of determining the number of licenses required to license all of the physical cores on a server.

USE RIGHTS FOR CORE LICENSE MODEL.

2.1 Licensing a Server. Before you run instances of the server software on a server, you must determine the number of software licenses required and assign those licenses to that server as described below.

2.2 Determining the Number of Licenses Required. You have two license options:

- Physical Cores on a Server.** You may license based on all of the physical cores on the server. If you choose this option, the number of licenses required equals the number of physical cores on the server multiplied by the applicable core factor located at <http://go.microsoft.com/fwlink/?LinkID=229882>.
- Individual Virtual OSE.** You may license based on the virtual OSEs within the server in which you run the server software. If you choose this option, for each virtual OSE in which you run the server software, you need a number licenses equal to the number of virtual cores in the virtual OSE, subject to a minimum requirement of four licenses per virtual OSE. In addition, if any of these virtual cores is at any time mapped to more than one hardware thread, you need a license for each additional hardware thread mapped to that virtual core. Those licenses count toward the minimum requirement of four licenses per virtual OSE.

2.3 Assigning the Required Number of Licenses to the Server.

Initial Assignment. After you determine the number of software licenses required for a server, you must assign that number of licenses to that server. The server to which a license is assigned is considered the “licensed server” for such license. You may not assign a license to more than one server. A hardware partition or blade is considered a separate server.

Reassignment. You may reassign a license, but not within 90 days of its last assignment. You may reassign a license sooner if you retire the licensed server to which the license is assigned due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

2.4 Running Instances of the Server Software. Your right to run instances of the server software depends on the option chosen to determine the number of software licenses required:

- Physical Cores on a Server.** For each server to which you have assigned the required number of licenses as provided in Section 2.2(a), you may run on the licensed server any number of instances of the server software in the physical OSE.
- Individual Virtual OSEs.** For each virtual OSE for which you have assigned the required number of licenses as provided in section 2.2(b) , you have the right to run any number of instances of the software in that virtual OSE.

2.5 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

Business Intelligence Development Studio
 Client Tools Backward Compatibility
 Client Tools Connectivity
 Client Tools SDK
 Data Quality Client
 Data Quality Services
 Distributed Replay Client
 Distributed Replay Controller
 Management Tools - Basic
 Management Tools - Complete
 Reporting Services – SharePoint
 Reporting Services Add-in for SharePoint Products
 Master Data Services

Sync Framework
SQL Client Connectivity SDK
SQL Server 2012 Books Online

2.6 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

2.7 No Client Access Licenses (CALs) Required for Access. Under this core license model, you do not need CALs for users or devices to access your instances of the server software.

2.8 Runtime-Restricted Use Software. The software is "Runtime-Restricted Use" software; as such, it may only be used to run the Unified Solution solely as part of the Unified Solution. The software may not be used either (i) to develop any new software applications, (ii) in conjunction with any software applications, databases or tables other than those contained in the Unified Solution, and/or (iii) as a standalone software application. The foregoing provision, however, does not prohibit you from using a tool to run queries or reports from existing tables.

USE RIGHTS FOR SERVER + CLIENT ACCESS LICENSE MODEL

3.1 Assigning the License to the Server.

- (a) **Initial Assignment.** Before you run any instance of the server software under a software license, you must assign that license to one of your servers. That server is considered the "licensed server" for such license. You may not assign the same license to more than one server, but you may assign other software licenses to the same server. A hardware partition or blade is considered to be a separate server.
- (b) **Reassignment.** You may reassign a software license, but not within 90 days of the last assignment. You may reassign a software license sooner if you retire the licensed server due to permanent hardware failure. If you reassign a license, the server to which you reassign the license becomes the new licensed server for that license.

3.2 Running Instances of the Server Software. For each software license you assign to the server, you may run any number of instances of the server software in one physical or virtual OSE on the licensed server at a time.

3.3 Running Instances of the Additional Software. You may run or otherwise use any number of instances of the additional software listed below in physical or virtual OSEs on any number of devices. You may use the additional software only with the server software directly, or indirectly through other additional software.

- Business Intelligence Development Studio
- Client Tools Backward Compatibility
- Client Tools Connectivity
- Client Tools SDK
- Data Quality Client
- Data Quality Services
- Distributed Replay Client
- Distributed Replay Controller
- Management Tools - Basic
- Management Tools - Complete
- Reporting Services – SharePoint
- Reporting Services Add-in for SharePoint Products
- Master Data Services
- Sync Framework
- SQL Client Connectivity SDK
- SQL Server 2012 Books Online

3.4 Creating and Storing Instances on Your Servers or Storage Media. You have the additional rights listed below for each software license you acquire.

- (a) You may create any number of instances of the server software and additional software.
- (b) You may store instances of the server software and additional software on any of your servers or storage media.
- (c) You may create and store instances of the server software and additional software solely to exercise your right to run instances of the server software under any of your software licenses as described (e.g., you may not distribute instances to third parties).

3.5 Client Access Licenses (CALs).

- (a) **Initial Assignment of CALs.** You must acquire and assign a SQL Server 2012 CAL to each device or user that accesses your instances of the server software directly or indirectly. A hardware partition or blade is considered to be a separate device.

- You do not need CALs for any of your servers licensed to run instances of the server software.
 - You do not need CALs for up to two devices or users to access your instances of the server software only to administer those instances.
 - Your CALs permit access to your instances of earlier versions, but not later versions, of the server software. If you are accessing instances of an earlier version, you may also use CALs corresponding to that version.
- (b) **Types of CALs.** There are two types of CALs: one for devices and one for users. Each device CAL permits one device, used by any user, to access instances of the server software on your licensed servers. Each user CAL permits one user, using any device, to access instances of the server software on your licensed servers. You may use a combination of device and user CALs.
- (c) **Reassignment of CALs.** You may
- permanently reassign your device CAL from one device to another, or your user CAL from one user to another; or
 - temporarily reassign your device CAL to a loaner device while the first device is out of service, or your user CAL to a temporary worker while the user is absent.

ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

4.1 Alternative Versions.

The software may include more than one version, such as 32-bit and 64-bit. For each instance of the software that you are permitted to create, store and run, you may use either version.

4.2 Maximum Instances.

The software or your hardware may limit the number of instances of the server software that can run in physical or virtual OSEs on the server.

4.3 Multiplexing.

Hardware or software you use to

pool connections,
reroute information, or
reduce the number of devices or users that directly access or use the software

- (sometimes referred to as “multiplexing” or “pooling”), does not reduce the number of licenses of any type that you need.

4.4 No Separation of Server Software.

You may not separate the server software for use in more than one OSE under a single license, unless expressly permitted. This applies even if the OSEs are on the same physical hardware system.

4.5 Fail-over Server.

For any OSE in which you run instances of the server software, you may run up to the same number of passive fail-over instances in a separate OSE for temporary support. You may run the passive fail-over instances on a server other than the licensed server. However, if you have licensed the server software under section 2.2(a) and the OSE in which you run the passive fail-over instances is on a separate server, the number of physical cores on the separate server must not exceed the number of physical cores on the licensed server and the core factor for the physical processors in that server must be the same or lower than the core factor for the physical processors in the licensed server. If you have licensed the server software under section 2.2(b), the number of hardware threads used in that separate OSE must not exceed the number of hardware threads used in the corresponding OSE in which the active instances run.

4.6 SQL Server Reporting Services Map Report Item.

The software may include features that retrieve content such as maps, images and other data through the Bing Maps (or successor branded) application programming interface (the “Bing Maps APIs”). The purpose of these features is to create reports displaying data on top of maps, aerial and hybrid imagery. If these features are included, you may use them to create and view dynamic or static documents. This may be done only in conjunction with and through methods and means of access integrated in the software. You may not otherwise copy, store, archive, or create a database of the content available through the Bing Maps APIs. You may not use the following for any purpose even if they are available through the Bing Maps APIs:

- Bing Maps APIs to provide sensor based guidance/routing, or
- any Road Traffic Data or Bird’s Eye Imagery (or associated metadata).

Your use of the Bing Maps APIs and associated content is also subject to the additional terms and conditions at go.microsoft.com/fwlink/?LinkId=21969.

4.7 Included Microsoft Programs.

The software includes other Microsoft programs listed at <http://go.microsoft.com/fwlink/?LinkId=231864>, which are licensed under the terms and conditions associated with them. You may only use these programs in conjunction with the software licensed here. If you do not accept the license terms associated with a program, you may not use that program.

5 INTERNET-BASED SERVICES.

Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

6 BENCHMARK TESTING.

You must obtain Microsoft’s prior written approval to disclose to a third party the results of any benchmark test of the software. However, this does not apply to the Microsoft .NET Framework (see below).

7 .NET FRAMEWORK SOFTWARE.

The software contains Microsoft .NET Framework software. This software is part of Windows. The license terms for Windows apply to your use of the .NET Framework software

8 MICROSOFT .NET FRAMEWORK BENCHMARK TESTING.

The software includes one or more components of the .NET Framework (“.NET Components”). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at go.microsoft.com/fwlink/?LinkId=66406. Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that

compete with the applicable .NET Component, provided it complies with the same conditions set forth at go.microsoft.com/fwlink/?LinkID=66406.

- 9 SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Licensor and Microsoft reserve all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

work around any technical limitations in the software;

reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;

make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;

publish the software, including any application programming interfaces included in the software, for others to copy;

share or otherwise distribute documents, text or images created using the software Data Mapping Services features;

rent, lease or lend the software; or

use the software for commercial software hosting services.

You also may not remove, minimize, block or modify any logos, trademarks, copyright, digital watermarks, or other notices of Microsoft or its suppliers that are included in the software, including any content made available to you through the software;

Rights to access the software on any device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access that device.

- 10 BACKUP COPY.** You may make one backup copy of the software media. You may use it only to create instances of the software.
- 11 DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
- 12 NOT FOR RESALE SOFTWARE.** You may not sell software marked as “NFR” or “Not for Resale.”
- 13 ACADEMIC EDITION SOFTWARE.** You must be a “Qualified Educational User” to use software marked as “Academic Edition” or “AE.” If you do not know whether you are a Qualified Educational User, visit www.microsoft.com/education or contact the Microsoft affiliate serving your country.
- 14 PROOF OF LICENSE.** If you acquired the software on a disc or other media, a genuine Microsoft Proof of License label with a genuine copy of the software identifies licensed software. To be valid, this label must appear on Microsoft packaging and may not be transferred separately. If you receive the label separately, it is invalid. You should keep the packaging that has the label on it to prove that you are licensed to use the software. To identify genuine Microsoft software, see www.howtotell.com.
- 15 TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it and this agreement directly to another end user as part of a transfer of the integrated software turnkey application or suite of applications (the “Unified Solution”) delivered to you by or on behalf of the Licensor solely as part of the Unified Solution. Before the transfer, that end user must agree that this agreement applies to the transfer and use of the software. The transfer must include the software and the Proof of License label. The first user may not retain any instances of the software unless that user also retains another license for the software.
- 16 EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.
- 17 ENTIRE AGREEMENT.** This agreement and the terms for supplements, updates, Internet-based services that you use, are the entire agreement for the software.
- 18 LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the Licensor from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.
- 19 NOT FAULT TOLERANT. THE SOFTWARE IS NOT FAULT TOLERANT. LICENSOR HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE INTEGRATED SOFTWARE APPLICATION OR SUITE OF APPLICATIONS THAT IT IS LICENSING TO YOU, AND MICROSOFT HAS RELIED ON LICENSOR TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.**
- 20 NO WARRANTIES BY MICROSOFT. YOU AGREE THAT IF YOU HAVE RECEIVED ANY WARRANTIES WITH REGARD TO EITHER (A) THE SOFTWARE, OR (B) THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, THEN THOSE WARRANTIES ARE PROVIDED SOLELY BY THE LICENSOR AND DO NOT ORIGINATE FROM, AND ARE NOT BINDING ON, MICROSOFT.**
- 21 NO LIABILITY OF MICROSOFT FOR CERTAIN DAMAGES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MICROSOFT SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE OR THE SOFTWARE APPLICATION OR SUITE OF APPLICATIONS WITH WHICH YOU ACQUIRED THE SOFTWARE, INCLUDING WITHOUT LIMITATION, PENALTIES IMPOSED BY GOVERNMENT. THIS LIMITATION WILL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL MICROSOFT BE LIABLE FOR ANY AMOUNT IN EXCESS OF TWO HUNDRED FIFTY U.S. DOLLARS (US\$250.00).**
- 22 FOR AUSTRALIA ONLY. References to “Limited Warranty” are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees under the Australian Consumer Law.**

If the Australian Consumer Law applies to your purchase, the following applies to you: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Exhibit 5- Pass Through Terms for Directories

1. AUSTRALIA ADDRESS DIRECTORY (AUSTRALIAN POSTAL CORPORATION):

1 Interpretation

1.1 Definitions

“**Agreement**” means this agreement for the supply and license of the Solution to the End User, and includes the Schedules.

1.2 “**Australia Post**” means the Australian Postal Corporation, including, where permitted by context, all of the Australia Post's officers, employees, agents and contractors.

“**Business Day**” means a day other than a Saturday, Sunday or gazetted public holiday in Victoria, Australia or an Australia Post authorised holiday.

“**Claim**” means any allegation, debt, cause of action, liability, claim, proceeding, suit or demand of any nature howsoever arising and whether present or future, fixed or unascertained, actual or contingent, whether at Law, in equity, under statute or otherwise.

“**Corporate Group**” means a group of Single Legal Entities consisting of the Corporate Group Owner and up to nine nominated Subsidiaries (as defined in the Corporates Act) of the Corporate Group Owner.

“**Corporate Group Owner**” means a Single Legal Entity that is the Holding Company (as defined in the Corporations Act) of each of the other entities of the Corporate Group.

“**Corporations Act**” means the Corporations Act 2001 (Cth).

“**End User**” means a Single Legal Entity or Corporate Group Owner authorised to use the Solution granted by the Licensor in accordance with this Agreement.

“**Intellectual Property Rights**” means all intellectual property rights including current and future registered and unregistered rights in respect of copyright, designs, circuit layouts, trademarks, know-how, confidential information, patents, inventions, domain names and discoveries and all other intellectual property as defined in article 2 of the convention establishing the World Intellectual Property Organisation 1967.

“**Loss**” means any damage, loss, cost and expense (including legal and other professional advisors' costs and expenses) suffered by a party.

“**Material Term**” means clauses 3.1c), 3.1d) and 4 of this Agreement.

“**Permitted Purpose**” means the permitted purpose as defined in the relevant Schedule.

“**Personal Information**” has the meaning given in the *Privacy Act 1988* (Cth) (as amended).

“**PostConnect Data**” means each data set which is supplied and licensed to the Licensor, and licensed by the Licensor to the End User, as specified in each Schedule.

“**Privacy Law**” means all Commonwealth, State and Territory legislation, principles, industry codes and policies relating to the collection, use, disclosure, storage or granting of access rights to the Personal Information including, but not limited to the Privacy Act 1988 (as amended from time to time).

“**Prohibited Purpose**” means each of the prohibited purposes as defined in the relevant Schedule.

“**Related Body Corporate**” has the meaning in the Corporations Act.

“**Representative**” of a party includes an employee, agent, officer, director, adviser, contractor or sub-contractor of that party or of a Related Body Corporate of that party.

“**Single Legal Entity**” means an individual person, body corporate or other legal entity and for the purposes of the government means an individual Agency as defined under the Financial Management and Accountability Act 1997 or an individual Commonwealth authority or company under the Commonwealth Authorities and Companies Act 1997.

“**Solution**” means the Licensor's solution (including software, products and / or services) which incorporates, reproduces, embodies or utilises the PostConnect Data or its derivative works, and licensed to the End User under this End User Agreement.

“**Subsidiary**” has the meaning given in the Corporations Act.

2 Licence

2.1 Licensor grants to the End User a non-exclusive, non-transferable, revocable licence for the term of this Agreement to use the Solution solely for the Permitted Purposes in respect of each applicable Schedule in accordance with the terms and conditions set out in this Agreement and the applicable Schedule, subject to any conditions and restrictions specified in the Permitted Purpose.

- 2.2 The Licensor acknowledges that SAP is the source of the Solution.
- 2.3 If a Schedule includes other terms and conditions, then those terms and conditions will apply, but only in respect of that Schedule.
- 2.4 Any rights not specifically granted to the End User under this Agreement are reserved to the extent permitted by law. Without limiting the previous sentence, the End User must not use the Solution for any Prohibited Purpose. To the extent that a particular purpose falls within the definition of both a Permitted Purpose and a Prohibited Purpose in a Schedule, such purpose is considered a Prohibited Purpose for the purposes of that Schedule.
- 2.5 For the avoidance of doubt, the End User shall not:
- a) reproduce, copy, modify, amend, assign, distribute, transfer, sub-license, reverse assemble or reverse compile, merge or otherwise deal with, exploit or commercialise the whole or any part of the PostConnect Data (or directly or indirectly allow or cause a third party to do the same) including by using the PostConnect Data to derive other solutions (including software, products and/or services) unless expressly stated otherwise in this Agreement; and
 - b) create a Product (as defined below) or other derivative works from the PostConnect Data to commercialise as their own, unless that Product is solely for one of the End User's Permitted Purpose. "Product" means anything produced by End User which consists of, incorporates or is created using any part of the PostConnect Data and which may be produced in any form, including any device, solution, software or database and which may be in written form or produced electronically.
- 2.6 This clause 2 (and the Prohibited Purposes) do not prevent the End User from disclosing PostConnect Data to the extent that it is required by law to disclose the PostConnect Data, provided that the End User use all reasonable and legal means to minimise the extent of disclosure, and require the recipient to keep the PostConnect Data confidential.

3 Warranties and Acknowledgements

- 3.1 The End User represents and warrants that:
- a) it has full capacity, power and authority to enter into this Agreement;
 - b) it will fully and completely comply with all of the terms and conditions of this Agreement;
 - c) it will only use the Solution for the Permitted Purposes and in accordance with the terms and conditions set out in this Agreement;
 - d) it will not use the Solution for any Prohibited Purpose;
 - e) it will not make any representation, statement or promise in respect of Australia Post, and has no authority to do so; and
 - f) it has not relied on any representation made by Australia Post in entering into the Agreement.
- 3.2 Without limiting this clause, the End User acknowledges that Australia Post has not made and does not make any representation or warranty as to the accuracy, content, completeness or operation of the PostConnect Data or to them being virus free.
- 3.3 The End User acknowledges and accepts that the PostConnect Data is not complete and it may contain errors.
- 3.4 The End User acknowledges that the PostConnect Data may include data sourced from third parties. The End User agrees to comply with third party terms and conditions which apply to the third party data referenced in this Agreement to the extent that the End User has been notified of those terms and conditions and has consented to comply with them.

4 Confidentiality and Security

- 4.1 The End User must ensure that while the Solution is in its possession or control:
- a) it provides proper and secure storage for the Solution; and
 - b) use the same level of security to protect the Solution that it uses to protect its own confidential information (but no less than the level of security a reasonable person would take to protect the confidential information);
 - c) it takes all reasonable steps to ensure that the Solution is protected at all times from unauthorised access, misuse, damage or destruction.
- 4.2 The provisions of clause 4 apply to all forms of media upon which the Solution is kept or transmitted.
- 4.3 The End User will ensure that all copies of the Solution are dealt with in accordance with the Licensor's or Australia Post's reasonable directions.
- 4.4 This clause 4 will survive termination or expiry of the Agreement.

5 Privacy

- 5.1 The parties acknowledge that while the Solution may not, on its own, constitute Personal Information, its use may result in the identity of individuals being reasonably ascertainable.
- 5.2 The End User agrees:
- a) that it is responsible for ensuring that its exercise of rights under this Agreement and the use of the Solution do not infringe any Privacy Law;
 - b) to use or disclose Personal Information obtained during the course of this Agreement only for the purposes of this Agreement;
 - c) to take all reasonable measures to ensure that Personal Information in its possession or control in connection with this Agreement is protected against loss and unauthorised access, use, modification, or disclosure;
 - d) not to do any act or engage in any practice that would breach any Privacy Law;
 - e) to immediately notify the Licensor if the End User becomes aware of a breach or possible breach of any of the obligations contained in, or referred to in, this clause whether by the End User, its Related Body Corporate or any of its Representatives;

- f) to cooperate with any reasonable demands or inquiries made by Australia Post on the basis of the exercise of the functions of the Office of the Australian Information Commissioner (OAIC) under Privacy Law or the Postal Industry Ombudsman under the Australian Postal Corporation Act 1989;
- g) to ensure that any person who has access to any Personal Information is made aware of, and undertakes in writing, to observe Privacy Law and other obligations referred to in this clause;
- h) to comply, as far as practicable, with any policy guidelines issued by the OAIC from time to time relating to the handling of Personal Information; and
- i) to comply with any direction given by Australia Post to observe any recommendation of the OAIC or the Postal Industry Ombudsman relating to acts or practices of the End User that the OAIC or the Postal Industry Ombudsman consider to be in breach of the obligations in this clause.

5.3 This clause 5 will survive termination or expiry of the Agreement.

6 Intellectual Property Rights

6.1 The End User agrees that all Intellectual Property Rights in the PostConnect Data are and shall remain the sole property of Australia Post or its licensors.

6.2 The End User must notify the Licensor as soon as practicable if it becomes aware of any actual, suspected or anticipated infringement of Intellectual Property Rights in the Solution or in the PostConnect Data.

6.3 The End User must render all reasonable assistance to the Licensor and/or Australia Post in relation to any actual, suspected or anticipated infringement referred to in clause 6.2.

6.4 If a third party makes a Claim against the End User alleging that the Solution infringes the Intellectual Property Rights of the third party, the End User must immediately allow the Licensor (or Australia Post, if Australia Post directs) the right to control the defence of the claim and any related settlement negotiations.

6.5 This clause 6 will survive termination or expiry of the Agreement.

7 Audit

7.1 If it is identified upon reasonable suspicion that the End User has not complied with their obligations under this Agreement (the "Audit") then upon ten (10) Business Days written notice, the Licensor or its designated other party may verify End User's compliance with the terms of the End User Agreement and applicable sales order at all locations and for all environments in which End User uses the Solution. Such verification will take place no more than one (1) time per twelve (12) month period during normal business hours in a manner which minimises disruption to End User's work environment. The Licensor may use an independent third party under obligations of confidentiality substantially similar to those set forth in this Agreement to provide assistance. The Licensor will notify End User in writing if any such verification indicates that End User has used the Solution in excess of the use authorised by the End User Agreement. The End User agrees to promptly pay all associated fees directly to the Licensor for the charges that the Licensor specifies including, but not limited to: (i) any excess use; (ii) Maintenance and/or subscription fees for the excess use for the duration of such excess or (2) two years, whichever is less; and (iii) any additional charges determined as a result of such verification.

8 Liability

Australia Post not liable

8.1 To the extent permitted by law, Australia Post is not liable to the End User for any Claim or Loss whatsoever suffered, or that may be suffered as a result of or in connection with this Agreement, and the End User releases Australia Post irrevocably releases and discharges Australia Post from all such Claims and Losses.

8.2 Without limiting clause 8.1, to the extent permitted by law, Australia Post will not be liable to the End User for any loss of profit, revenue or business, indirect, consequential, special or incidental Loss suffered or incurred by the End User arising out of or in connection with this Agreement, whether in contract, tort, equity or otherwise. This exclusion applies even if those Losses may reasonably be supposed to have been in contemplation of both parties as a probable result of any breach at the time they entered into this Agreement.

Indemnity

8.3 The End User must defend and indemnify Australia Post and its Representatives (**those indemnified**) from and against all Losses suffered or incurred by and of those indemnified to the extent that those Losses are suffered as a result of, whether directly or indirectly, of:

- a) any breach of a Material Term by the End User or its Representatives;
- b) any unlawful act by the End User or its Representative in connection with this Agreement;
- c) any illness, injury or death to any person arising out of or in connection with the performance of this Agreement and caused or contributed to by the negligent or wrongful act or omission of the End User or its Representative; or
- d) any loss or damage to any property of any person, arising out of or in connection with the performance of this Agreement and caused or contributed to by the negligent or wrongful act or omission of the End User or its Representative,

except to the extent that the Loss is caused by the negligence or wrongful act or omission of those indemnified.

8.4 This clause 8 will survive termination or expiry of the Agreement.

9 Suspension and Termination

9.1 The Licensor may limit, suspend or terminate the End User's rights under this Agreement at any time upon notice when, and for the duration of the period during which:

- a) the End User contravenes (or is believed on reasonable grounds to be in possible contravention of) any law of the Commonwealth or of a State or Territory;
- b) the End User breaches the terms of the Agreement and the breach is not remedied within 14 days after receipt of notice from the Licensor specifying the breach and its intention to terminate the Agreement by reason of such breach; or
- c) the End User commits a material breach of the Agreement which is not remediable; or
- d) in the reasonable opinion of the Licensor, the End User is acting in a manner or providing a Solution which has the effect or potential to damage the reputation of Australia Post which is not remedied within 14 days after receipt of notice from Australia Post or the Licensor specifying the issues; or
- e) the licensed right granted by Australia Post to the Licensor for the licensing of the PostConnect Data has been suspended or terminated.

9.2 The End User acknowledges that the Licensor may exercise its rights under clause 9.1 in accordance with the directions of Australia Post.

9.3 The termination, surrender or expiry of this Agreement for any reason will not extinguish or otherwise affect:

- a) any rights of either party against the other which accrued before the termination, surrender or expiry and which remain unsatisfied; or
- b) any other provisions of this Agreement which are expressly stated to, or which by their nature, survive termination, surrender or expiry of this Agreement.

9.4 If this Agreement is surrendered, terminated or expires, for any reason whatsoever, then the following provision of this clause will apply notwithstanding such surrender, termination or expiry the End User must cease using the Solution and the PostConnect Data and undertakes that it will destroy all copies, reproductions or adaptations of the Solution and PostConnect Data, or any part thereof made, held or controlled by it and, promptly upon written request from the Licensor, deliver a statutory declaration sworn by an authorised representative of the End User confirming that all copies, reproductions or adaptations of the Solution and PostConnect Data, and any part thereof, have been destroyed.

10 Variation

10.1 Pursuant to the agreement between the Licensor and Australia Post under which the Licensor is granted a licence to the PostConnect Data, Australia Post reserves the right to vary the terms of the agreement from time to time in certain circumstances. To the extent that those variations require a corresponding variation to the terms of this Agreement, the Licensor may do so, provided that the Licensor gives the End User reasonable prior notice of such variation (having regard to the period of notice received by the Licensor). The End User undertakes to do all things (including executing and entering into such amendment or restatement deed) as reasonably required by the Licensor to formalise and give effect to any and all variations made by the Licensor under this clause 10.1.

11 Changes in Legislation

11.1 Notwithstanding any other provision of this Agreement, the End User acknowledges and agrees that Australia Post and / or the Licensor must comply with any future legislation and / or Government policy which imposes binding restrictions or limitations on Australia Post's or the Licensor's use of the PostConnect Data, including any restrictions or limitations relating to the supply of PostConnect Data or elements thereof to any person, and the terms of this Agreement, and the End User's agreements with any other parties, will be varied accordingly.

12 Corporate Group Owner

12.1 This clause 12 applies if the End User is a Corporate Group Owner.

12.2 The Corporate Group for the purposes of this Agreement consists of entities identified in writing as Corporate Group entities. Licensee to identify the entities (up to 10 in total, including the Corporate Group Owner) forming the Corporate Group.

12.3 The End User must ensure, and warrants that:

- a) each entity of the Corporate Group is a Subsidiary of the End User at all times during the term of this Agreement; and
- b) each entity of the Corporate Group is a Single Legal Entity.

12.4 The End User may permit any or all members of the Corporate Group to enjoy the benefit of the licence granted to the End User under clause 2, subject to the following conditions:

- a) the End User must ensure that all of the Corporate Group members comply with this Agreement, and do not do or omit to do anything that, if done by the End User, would be a breach of this Agreement;
- b) the End User is responsible for all acts and omissions of the Corporate Group members as if they were acts and omissions of the End User; and
- c) all uses of the Solution and PostConnect Data by the Corporate Group members are deemed to be uses by the End User.

13 General

13.1 The End User shall not, without the Licensor's prior written consent which may be provided or withheld in its absolute discretion, assign or sub-contract any of its rights and obligations under this Agreement.

13.2 The Licensor holds the benefit of all of the provisions of this Agreement that refer to Australia Post on trust for the benefit of itself and Australia Post, and the Licensor may enforce those provisions on behalf of Australia Post.

13.3 The Agreement is governed by the law in Victoria, Australia and each party submits to the non-exclusive jurisdiction of the courts of Victoria, Australia and courts of appeal from them.

2. AUSTRIA ADDRESS DIRECTORY (ÖSTERREICHISCHE POST):

This product cannot be used by Licensees who conduct business in address publishing and service providing.

Licensees are only allowed to use the product for own internal purposes. This product cannot be used by Licensees who conduct business in address publishing and service providing. If a Licensee conducts business in that area, Licensee is responsible for obtaining a valid license directly from the provider.

Licensees are only allowed to use the product for own internal validation purposes. Licensees are not allowed to use the data to provide any services to any other legal entity. If Licensee wishes to provide services to any other legal entity, Licensee is responsible for obtaining a valid license directly from the provider. Any use within another legal entity requires a separate license.

"Internet Application Use" shall mean the use of the Software Products at End User's site being accessible by third parties. Such accessible to third parties is restricted to End User's own internal business purposes.

"Offline Use" shall mean the use by End User as on premise business model.

3. CANADA (CANADA POST)

Licensee acknowledges that under the Agreement of which this Software Use Rights document Exhibit 5 forms an integral part (hereinafter referred to as the "Agreement"), **Licensee** has been licensed to use SAP's product, **Authorized Value Added Products**, as the base for developing a further enhanced value-added product (the "Enhanced Value-added Product") for the purposes of (a) sublicensing the Enhanced Value-added Product to users who shall have no further sublicensing or distribution rights, or (b) providing value-added services using the Enhanced Value-added Product that cannot be provided by **Authorized Value Added Products**, or both (a) and (b). **Licensee** further acknowledges that the data components of **Authorized Value Added Products**, or the data in the files required in order to use **Authorized Value Added Products**, were acquired by SAP from third parties and that, relative to those third party data suppliers, SAP is a licensee and **Licensee** is a sublicensee (hereinafter such data components or data files referred to as the "Licensed Content").

One such third party supplier is Canada Post Corporation ("Canada Post") who has granted SAP certain rights with respect to certain Canada Post Data (the "CP Licensed Data") under which SAP may include the CP Licensed Data, in whole or in part, in the Licensed Content and distribute the same to its sublicensees of the Enhanced Value-added Product subject to the sublicensee's (in this case **Licensee**'s) prior agreement to the terms and conditions set out in these Minimum Protective Terms.

2. **Licensee** acknowledges that Canada Post is the owner of the copyright in the Canada Post Data. **Licensee** acknowledges that it is only licensed to use the CP Licensed Data in conjunction with **Authorized Value Added Products** and the Enhanced Value-added Product. **Licensee** acknowledges that it may only grant rights to third parties to use the CP Licensed Product in conjunction with the Enhanced Value-added Product. Without limiting the generality of the preceding sentence, **Licensee** has no right to distribute any CP Licensed Data on a stand-alone basis or for the purposes of use with any product other than the Enhanced Value-added Product.

3. **Licensee** acknowledges, and agrees to provide notice to parties to whom it distributes the Enhanced Value-added Product, that the damages that Canada Post may incur as a result of parties using out-of-date data for mail preparation include costs that Canada Post will incur in processing and delivering that mail. Such costs include, but are not limited to, the costs incurred by Canada Post

- (i) for the manual readdressing and resorting of mail that was diverted from the normal automated mail processing stream because it was addressed with an invalid address, or the Postal Code^{OM} element of the address was invalid, or
- (ii) if the mail was delivered to the wrong address as a result of having been addressed with an invalid address, or as a result of the Postal Code^{OM} element of the address being invalid, the cost of the original sorting, processing and delivery of the mail as well as the extra costs incurred for the manual readdressing and resorting of the mail.

(Postal Code is an official mark of Canada Post.)

4. In order to reduce the risk of Canada Post suffering damages as a result of out-of-date data being used for mail preparation and given that CP Licensed Data will be distributed as a component of the Licensed Content, **Licensee** agrees

- (a) not to distribute the Licensed Content until after **Licensee** has put in place safeguards to reduce the risk of "data scraping" or "bulk downloads of data"; **Licensee** agrees to keep abreast of developments in technology and to update the safeguards in place to further reduce such risks as improved technology becomes available from time to time, and
- (b) to ensure that the parties to whom the CP Licensed Data is distributed, whether as a component of the Enhanced Value-added Product or as a, or component of a, data file, to be used in conjunction with an Enhanced Value-added Product, are informed that the same is not to be used for mail preparation purposes and that this prohibition applies, without limitation, to each of the following:

- (i) addressing mail;
- (ii) presorting addressed mail;
- (iii) preparing unaddressed mail by householder count for delivery.

5. **Licensee** also acknowledges that if it develops any product that uses data for which the original source of that data is Canada Post, which product is intended to be used for any of the purposes listed in clause 4(b)(i), (ii) or (iii), **Licensee** has no right to use or distribute such a product or to offer any services in relation to such a product unless **Licensee** has a then current right to do so under a written agreement signed by both **Licensee** and Canada Post.

6. **Licensee** agrees to include

- (a) in the hard copy or electronic copy of the license agreements, which **Licensee** represents will accompany all copies of the Enhanced Value-added Product and of the Licensed Content distributed by **Licensee** that contain CP Licensed Data, and
- (b) on the start-up screen of the Enhanced Value-added Product and in the terms and conditions of use posted on any website by which a user may access the Enhanced Value-added Product,

a notice stating that the Enhanced Value-added Product contains data copied under license from Canada Post Corporation and indicating the date of the Canada Post Corporation data file (or the date of the earliest Canada Post Corporation data file, if more than one) from which the data was copied. Where the language of the **Licensee** product or service is French, **Licensee** shall use the French version of the *pro forma* notice that is set out further on below, but if the product or service is in a language other than English or French, **Licensee** shall include the equivalent notice but in the relevant language. Each such notice shall be tailored with the appropriate information by replacing the "[Insert...]" / « [Indiquez...] » « [Insérez...] » instructions with the information contemplated:

"This [Insert appropriate reference to medium, i.e. diskette, tape, etc.] contains data copied under license from Canada Post Corporation. The Canada Post Corporation file from which this data was copied is dated [Insert date]."

French version of the *pro forma* notice

"[Indiquez le support approprié, c'est-à-dire « Cette disquette », « Cette bande magnétique », etc.] contient des données qui ont été reproduites avec l'autorisation de la Société canadienne des postes. Le fichier de la Société canadienne des postes d'où proviennent ces données est daté du [Insérez la date]."

7. **Licensee** acknowledges that the CP Licensed Data is licensed to **Licensee** on an "as is" basis and that Canada Post makes no guarantees, representations or warranties respecting the CP Licensed Data, either expressed or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose. **Licensee** will include a provision in its terms of use requiring a user of the CP Licensed Data to acknowledge that the CP Licensed Data is licensed on an "as is" basis and that Canada Post makes no guarantees, representations or warranties respecting the CP Licensed Data, either expressed or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose.

8. Neither SAP nor Canada Post shall be liable in respect of any claims whatsoever alleging any loss, injury or damages, direct or indirect, which may result from **Licensee's**, or any of its user's, possession or use of the CP Licensed Data. Neither SAP nor Canada Post shall be liable in any way for loss of revenue or contracts, or any other consequential loss of any kind resulting from any defect in the CP Licensed Data.

9. **Licensee** shall indemnify Canada Post and its officers, employees and agents from all claims whatsoever alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of **Licensee's** possession or use of the Licensed Content. **Licensee** will include a provision in its terms of use requiring a user of the CP Licensed Data to indemnify Canada Post and its officers, employees and agents from all claims whatsoever alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of such user's possession or use of the CP Licensed Data.

4. FINLAND

Service Description and Terms of Use for Finland POSTAL CODE SERVICES provided through Itella

Effective: January 1, 2013

1. SERVICES

The services consist of the postal code system and basic and changed information contained by domestic address files in a fixed format.

2. TERMS OF USE FOR THE SERVICES

The following terms of use for the service apply.

2.1 USING THE SERVICES

The information provided is always based on the information included in Itella's postal code system. The system data is based on information provided for Itella by municipalities and postal code information updated by Itella. Itella does not check the information received from municipalities.

Itella delivers the information available to self-service channels.

2.2 THE CUSTOMER'S RESPONSIBILITIES

The customer is responsible for retrieving the postal code material, unpacking packaged files, handling and using the material, and updating its systems.

The customer is responsible for ensuring that, upon any disclosure of the material to third parties, the recipient also receives the updated service description and terms of use.

2.3 ITELLA'S RESPONSIBILITIES

Itella is responsible for offering updated information available for retrieval on time as set out in the service description, unless otherwise stated later in this section. Itella is not responsible for damage caused by delayed, altered, or lost data due to equipment failure, communications or system disruptions, or other similar reasons.

Itella does not guarantee that the information is fully faultless. There may be errors in the information caused by recurring changes or the party reporting the changes. Itella is not responsible for errors in information that were not caused by Itella's negligence.

Itella is not responsible for any information user obligations towards third parties.

Itella is not responsible for the uninterrupted availability of service channels or the updating frequency of the information.

2.4 LIMITATION OF THE SERVICES

In the services, information about Åland Islands is only at a postal code level without any street data.

The services contain information about public postal codes.

5. GERMANY ADDRESS DIRECTORY (DEUTSCHE POST DIREKT):

Licensees are not allowed to use the data to provide any services to any other third party. Licensees are especially not allowed to distribute the product any further. Licensees are only allowed to use the data for own internal validation purposes. Licensees are not allowed to use the data to provide any services to any other legal entity. If Licensee wishes to provide services to any other legal entity, Licensee is responsible for obtaining a valid license directly from the provider. Any use within another legal entity requires a separate license. Licensees are not allowed to distribute the product any further.

6. HERE MAP DATA BY HERE (HERE):

The data ("Data") is provided for Licensee's internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, HERE and HERE Suppliers on the other hand.

© 2008 HERE. All rights reserved.

The Data for areas of Canada includes information taken with permission from Canadian authorities, including: © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario, © Canada Post Corporation, GeoBase© Department of Natural Resources Canada

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Scope of Use. Licensee agrees to use this Data together with SAP Applications solely for your internal business operations purposes for which Licensee was licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, Licensee may copy this Data only as necessary for Licensee's business use to (i) view it, and (ii) save it, provided that Licensee does not remove any copyright notices that appear and do not modify the Data in any way. Licensee agrees not to otherwise reproduce copy, modify, decompile, disassemble or reverse engineer any portion of this Data, and may not transfer or distribute it in any form except to your affiliates, for any purpose, except to the extent permitted by mandatory laws. Multi-disc sets may only be transferred or sold as a complete set as provided by SAP and not as a subset thereof.

Restrictions. Except where Licensee has been specifically licensed to do so by SAP, and without limiting the preceding paragraph, Licensee may not (a) use this Data with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in communication with any positioning devices or any mobile or wireless-connected electronic or computer devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs.

Warning. The Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

No Warranty. This Data is provided to you "as is," and Licensee agrees to use it at its own risk. HERE and HERE SUPPLIERS make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

Disclaimer of Warranty. HERE and HERE SUPPLIERS DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

Disclaimer of Liability. HERE and HERE SUPPLIERS SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF LICENCEE'S USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF CLIENT OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to Licensee.

Indemnification. Licensee shall indemnify and save harmless HERE and HERE Suppliers, including Her Majesty The Queen, The Canada Post and the Department of Natural Resources Canada, and their officers, employees and agent: from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use of possession of the data or the Data.

Government End Users. If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, the Data is a "commercial item" as that term is defined at 48 C.F.R. ("FAR") 2.101, is licensed in accordance with these Pass Through Terms, and each copy of Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following "Notice of Use," and shall be treated in accordance with such Notice:

Notice of Use

Contractor (Manufacturer/ Supplier) Name: HERE

Contractor (Manufacturer/Supplier) Address: 425 W. Randolph Street, Chicago, Illinois 60606

This Data is a commercial item as defined in FAR 2.101 and is subject to these End-User Term under which this Data was provided.

© 2008 HERE – All rights reserved.

The Data may include or reflect data of licensors, including Her Majesty, Canada Post and the Department of Natural Resources Canada. Such data is licensed on an "as is" basis. The licensors, including Her Majesty, Canada Post and the Department of Natural Resources Canada, make no guarantees, representations or warranties respecting such data, either express or implied, arising bylaw or otherwise, including but not limited to, effectiveness, completeness, accuracy or fitness for a particular purpose.

The licensors, including Her Majesty, Canada Post and the Department of Natural Resources Canada, shall not be liable in respect of any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action alleging any loss, injury or damages, direct or indirect, which may result from the use or possession of the data or the Data. The licensors, including Her Majesty, Canada Post and the Department of Natural Resources Canada, shall not be liable in any way for loss of revenues or contracts, or any other consequential loss of any kind resulting from any defect in the data or the Data.

End User shall indemnify and save harmless the licensors, including Her Majesty the Queen, the Canada Post and the Department of Natural Resources Canada, and their officers, employees and agents from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expenses, damages or injuries (including injuries resulting in death) arising out of the use or possession of the data or the Data.

If Data for additional countries is included or distributed in connection with software products of SAP, or if Licensee uses data from relevant countries the following supplier terms/copyright notices shall be included in the End-User Terms as applicable:

<u>Territory</u>	<u>Notice</u>
Australia (www.pσμα.com.au).“	“Copyright. Based on data provided under license from PSMA Australia Limited
Austria	“© Bundesamt für Eich- und Vermessungswesen”
Croatia, Cyprus, Estonia, Latvia, Lithuania, Moldova, Poland, Slovenia and/or Ukraine	“© EuroGeographics”
France	The following notice must appear on all copies of the Data, and may also appear on packaging: “source: © IGN 2009 – BD TOPO ®”
Germany	“Die Grundlagendaten wurden mit Genehmigung der zuständigen Behörden entnommen” or “Die Grundlagendaten wurden mit Genehmigung der zustaendigen Behoerden entnommen.”
Great Britain	“Based upon Crown Copyright material.”
Greece	“Copyright Geomatics Ltd.”
Hungary	“Copyright © 2003; Top-Map Ltd.”
Italy	“La Banca Dati Italiana è stata prodotta usando quale riferimento anche cartografia numerica ed al tratto prodotta e fornita dalla Regione Toscana.”
Norway	“Copyright © 2000; Norwegian Mapping Authority”
Portugal	“Source: IgeoE – Portugal”
Spain	“Información geográfica propiedad del CNIG”
Sweden	“Based upon electronic data □ National Land Survey Sweden.”
Switzerland	“Topografische Grundlage: □ Bundesamt für Landestopographie.“

7. MEXICO:

The terms and conditions of the data provider HERE listed under Section 6 of this Exhibit 5, “HERE Map data by HERE (HERE)” apply as Pass Through Terms for the Directory of Mexico.

8. NETHERLANDS (CENDRIS):

For the purposes of these Netherlands Address Directory third party pass-through terms, “End User” shall mean the purchaser of the Package (whether directly through an SAP company or through a reseller), being the legal entity that enters into a software license agreement with an SAP company or a reseller exclusively for the purpose of internal use of the Package; “Postcode and Address File” shall mean the file with all the cities/towns, streets and postcodes in the Netherlands, along with the corresponding house numbers or series of house numbers; and “Additional Products” shall mean products supporting the use of the Postcode and Address File.

End User is only permitted to use the Package for internal use.

End User is not permitted to deliver the Postcode and Address File and/or Additional Products (irrespective of whether they are integrated into the Package) to third parties. For the purposes of these Netherlands Address Directory third party pass-through terms, third parties includes Affiliates of the End User.

For each violation of the aforementioned terms, the End User agrees to pay Cendris a penalty of EURO 7000 which is directly payable to Cendris and cannot be set-off against any amounts owed.

9. NEW ZEALAND (NEW ZEALAND POST):

This section contains the terms and conditions specified by New Zealand Post in respect of use of New Zealand Post’s Postal Address File as part of the software supplied to you by SAP. Definitions used in this section apply exclusively to this section. In the case of conflict between the defined terms in this section and defined terms in the main body of the Use Rights document, the defined terms in this section shall take precedence solely in relation to use of New Zealand Post’s Postal Address File.

Definitions

In this section:

Data means the Postal Address File, as more particularly described at www.nzpost.co.nz/sendright, as such description is amended from time to time.

Documentation means any user and technical documentation supplied by New Zealand Post with the Data to enable SAP, End Users or any of their personnel to use the Data, and any confidential information of New Zealand Post.

End User means any person to whom Data is permitted to be distributed, sold or made available by SAP.

Intellectual Property Rights includes copyright and all rights conferred under statute, common law or equity in relation to inventions (including patents), registered or unregistered trade marks, registered or unregistered designs, circuit layouts, databases, confidential information, know-how, and all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields anywhere in the world, together with all right, interest or licence in or to any of the foregoing.

Incorporated Software means the software providing the address data services supplied to the End User by SAP which incorporates the Data.

Licensor means New Zealand Post Limited, at Wellington NZ.

i. The End User (and any of its agents and sub-contractors) may only use Data in accordance with the terms of this section, for the End User's internal purposes, and only as part of or in combination with the Incorporated Software and/or any related services provided to it by SAP. The End User must procure that any agents or sub-contractors to whom the Data is provided comply with the terms of this Agreement.

ii. The End User agrees that the Data and the Documentation and all Intellectual Property Rights and other rights in the Data and the Documentation from time to time remain the property of New Zealand Post and its licensors (as the case may be).

iii. The End User must not remove or tamper with any disclaimer or copyright notice attached to or used in relation to Data.

iv. The End User has no right to use any of the trade marks, business names or logos of New Zealand Post unless expressly stated otherwise in any sub-licence granted to the End User by the SAP within the terms of any licence granted by New Zealand Post to SAP.

v. The End User must not at any time (a) copy, reproduce, publish, sell, let, modify, extract or otherwise part with possession of the whole or any part of the Data or relay or disseminate the same to any other party; (b) other than as permitted under (i) above, provide the Data to (or allow the provision of the Data to, or access to the Data of) any agents or sub-contractors of the End User without the prior written consent of New Zealand Post; or (c) sub-licence all or any part of the Data to any person, or purport or attempt to do so, in each case, unless expressly permitted otherwise by New Zealand Post in writing.

vi. The End User may make a reasonable number of back-up copies of the Data for security purposes. The End User may only use such back-up copies for archive retention and retrieval purposes, and only during the term of the licence.

vii. If any licence under which a third party grants to New Zealand Post the right to incorporate the third party's material in the Data is terminated, the licence to the End User in respect of that material terminates and the End User must, at New Zealand Post's request, remove the same material from any copies of any Data held by the End User within 90 days.

viii. The End User must not make any statement or claim relating to the Data being approved, recommended or endorsed by New Zealand Post or do anything similar or imply that such is the case, unless New Zealand Post has expressly given its prior written consent to the form and content of such claim.

ix. The End User must comply with the requirements of the Privacy Act 1993 and any other applicable law or regulations relevant to its possession or use of Data.

x. The End User must ensure that its personnel, agents and sub-contractors comply with the above terms as if they were SAP.

xi. The End User acknowledges that New Zealand Post has made no warranty that the Data will be free from errors, omissions, inaccuracies, viruses or other destructive code, or that the Data will be fit for the End User's purpose or for use in any specific technical environment.

xii. On receipt of an update to any Data (including as part of any update of the Incorporated Software) (such updates each being an "Update"), the End User must as soon as practicable cease use of any previous version of the Data (and must in any event cease such use by the end of the term of the licence) and commence use of the Update.

xiii. The End User's right to use each Update shall terminate six months after the date on which such Update was released by New Zealand Post. Early termination of SAP's licence from New Zealand Post shall not affect the End User's right to use any Data provided that such early termination was not caused by or connected with any act or omission of the End User.

xiv. The End User must keep the confidential information of New Zealand Post, including the Data, confidential.

xv. The End User acknowledges and agrees that Land Information New Zealand (“**LINZ**”) and the Crown hold absolutely and exclusively certain material which has been licensed to New Zealand Post and incorporated into the Data, and that LINZ and the Crown do not assign any copyright or other intellectual property rights in such material either to New Zealand Post, SAP or the End User. The End User further acknowledges and agrees that LINZ and the Crown shall not, in any circumstances, be liable for any loss or damage (even if LINZ or the Crown has been advised of the possibility of such loss or damage, and including, without limitation, any direct loss, indirect loss, consequential loss, loss of profits, business interruption loss or loss of data) suffered by the End User or any other person in connection with this Agreement. In the event that any exclusion of the liability of LINZ or the Crown set out in this clause is inapplicable, or is held unenforceable, the liability of each of LINZ and the Crown under or in connection with this Agreement, or arising out of any use, reproduction, modification, or creation of compilations or derivative works of or from the Data (by the End User or any other person), whether that liability arises in tort (including negligence), equity or any other basis, shall be limited to the fees paid by New Zealand Post for the material incorporated in the Data which gave rise to the loss or damage, exclusive of GST. For the purposes of the Contracts (Privity) Act 1982, this clause confers a benefit on, and is enforceable by, LINZ and the Crown.

xvi. The End User agrees and represents that it is acquiring the Data and any Documentation for the purposes of a business and that the Consumer Guarantees Act 1993 (New Zealand) does not apply.

xvii. The End User must indemnify New Zealand Post and keep New Zealand Post indemnified against any claim, proceeding, damage, liability, loss, cost or expense (including legal costs on a solicitor and own client basis), whether arising in contract, tort (including for negligence) or otherwise, arising out of or in connection with any breach by the End User of any of the above terms or the use of the Data by the End User or any other person who has obtained the Data from an End User. The End User's total aggregate liability to New Zealand Post under this clause xvii shall not exceed \$250,000.

xviii. New Zealand Post must have rights to enforce the above terms for the purposes of the Contracts (Privity) Act 1982, and is entitled to terminate the End User's right to use any Data if the End User breaches any of those terms.

10. RUSSIA:

The terms and conditions of the data provider HERE listed under Section 6 of this Exhibit 5, “Here map data by HERE (HERE)” apply as Pass Through Terms for the address data of Russia.

11. SPAIN (DEYDE):

Licensee acknowledges that the DEYDE-STREETFILES, which are used in the Spain Address Directory within all versions of Data Services and Data Quality Management, are the intellectual property of DEYDE.

12. SWITZERLAND ADDRESS DIRECTORY (SCHWEIZERISCHE POST):

Licensees are not allowed to extract any data provided. Licensees are only allowed to use the product for own validation purposes. Licensees are not allowed to use the data to provide any services to any other legal entity. Any use within another legal entity requires a separate license.

13. TOM TOM:

Third Party Restrictions

A. Additional provisions for MultiNet® data of Norway. End User is prohibited from using the MultiNet® data of Norway to create commercial general purpose printed or digital maps, which are similar to the basic national products of the Norwegian Mapping Authority.

B. Additional Provisions with respect to the data for China: End User agrees that any Licensed Product which contains data of China may be subject to additional terms and conditions which shall be provided to End User when available to TomTom. China data may not be exported from China.

C. Additional Provisions with respect to the data for India: End User agrees that any Licensed Product which contains data of India may be subject to additional terms and conditions which shall be provided to End User when available to TomTom.

D. Additional Provisions with respect to the data for Korea: End User agrees that any Licensed Product which contains data of Korea may be subject to additional terms and conditions which shall be provided to Licensee when available to TomTom. Korea data may not be exported from Korea.

E. As of the Effective Date, the following restriction applies to the Licensed TomTom Products: The 6-digit alpha/numeric Canadian Postal Codes contained in any Licensed Product cannot be used for bulk mailing of items through the Canadian postal system. Furthermore, the 6-digit alpha/numeric Canadian Postal Codes must be wholly contained in the Authorized Application and shall not be extractable. Canadian Postal Codes cannot be displayed or used for postal code look-up on the Internet, nor can they be extracted or exported from any application to be utilized in the creation of any other data set or application. Notwithstanding the above, an End User may optionally correct or derive Canadian Postal Codes using the Value Added Products, but only as part of the address information for locations (e.g.: of delivery points and depots) that have been set up in the Value Added Product, and optionally extract data for fleet management purposes.

F. Additional provisions with respect to the Premium Points of Interest North America Licensed Product: It is expressly prohibited to use the Premium Points of Interest North America for (a) telephone call routing related applications; (b) screen pop applications, (c) CD-ROM director of other derivative directory product; (d) verification services; (e) caller name services; and (f) online marketing lead verification services.

Following restrictions will apply to usage of the Brand Icon component:

End User agrees that the use of the Brand Icon component is subject to the terms and conditions set forth in this Agreement and that there may be additional third party terms, conditions and restrictions to which the use of the Brand Icon component will be subject and which will be provided to the End User from time to time in the product release notes.

G. Additional End User provisions:

End User shall not use the Authorized Application to create (or assist in the creation of) a digital map database. A "digital map database" means a database of geospatial data containing the following information and attributes: (x) road geometry and street names; or (y) routing attributes that enable turn-by-turn navigation on such road geometry; or (z) latitude and longitude of individual addresses and house number ranges.

End User shall not use the Authorized Application to provide competitive information about TomTom or its products to third parties.

The Authorized Application may not be used for in-flight navigation.

In the event that any End User is a government entity, include language which is substantially the same as the following:

U.S. GOVERNMENT RIGHTS. If End User is an agency, department, or other entity of the United States Government, or funded in whole or in part by the United States Government, then use, duplication, reproduction, release, modification, disclosure or transfer of this commercial product and accompanying documentation, is restricted in accordance with the LIMITED or RESTRICTED rights as described in any applicable DFARS or FAR. In case of conflict between any of the FAR and/or DFARS that may apply to the Licensed Product, the construction that provides greater limitations on the Government's rights shall control. Contractor/manufacturer is TomTom North America, Inc., 11 Lafayette Street, Lebanon, NH 03766-1445. Phone: 603.643. 0330. The Licensed TomTom Products are © 2006-201_ by TomTom. ALL RIGHTS RESERVED. For purpose of any public disclosure provision under any federal, state or local law, it is agreed that the Licensed TomTom Products are a trade secret and a proprietary commercial product and not subject to disclosure.

If End User is an agency, department, or other entity of any State government, the United States Government or any other public entity or funded in whole or in part by the United States Government, then End User hereby agrees to protect the Licensed TomTom Products from public disclosure and to consider the Licensed TomTom Products exempt from any statute, law, regulation, or code, including any Sunshine Act, Public Records Act, Freedom of Information Act, or equivalent, which permits public access and/or reproduction or use of the Licensed TomTom Products. In the event that such exemption is challenged under any such laws, this agreement shall be considered breached and any and all right to retain any copies or to use of the Licensed TomTom Products shall be terminated and considered immediately null and void. Any copies of the Licensed TomTom Products held by Licensee shall immediately be destroyed. If any court of competent jurisdiction considers this clause void and unenforceable, in whole or in part, for any reason, this agreement shall be considered terminated and null and void, in its entirety, and any and all copies of the Licensed TomTom Products shall immediately be destroyed.

Additional Licensed Product Provisions and Details

A. *Additional Provisions with respect to the MultiNet® data of Norway only.* Licensee is prohibited from using the MultiNet® data of Norway to create general purpose printed or digital maps, which are similar to the basic national products of the Norwegian Mapping Authority. (Any Authorized Application of the MultiNet® data of Norway shall be regarded as similar to the basic national products of the Norwegian Mapping Authority if such Authorized Application has a regional or national coverage, and at the same time has a content, scale and format that are similar to the basic national products of the Norwegian Mapping Authority.)

B. *Additional Provisions with respect to the data for China:* Licensee agrees that any Licensed Product which contains data of China may be subject to additional terms and conditions which shall be provided to Licensee when available to TomTom. China data may not be

exported from China.

C. Additional Provisions with respect to the data for India: Licensee agrees that any Licensed Product which contains data of India may be subject to additional terms and conditions which shall be provided to Licensee when available to TomTom.

D. Additional Provisions with respect to the data for Korea: Licensee agrees that any Licensed Product which contains data of Korea may be subject to additional terms and conditions which shall be provided to Licensee when available to TomTom. Korea data may not be exported from Korea. Data cannot be shipped to End Users in an open format (such as ESRI shapefile).

E. As of the Effective Date, the following restriction applies to the Licensed TomTom Products: The 6-digit alpha/numeric Canadian Postal Codes contained in any Licensed Product cannot be used for bulk mailing of items through the Canadian postal system. Furthermore, the 6-digit alpha/numeric Canadian Postal Codes must be wholly contained in the Authorized Application and shall not be extractable. Canadian Postal Codes cannot be displayed or used for postal code look-up on the Internet, nor can they be extracted or exported from any application to be utilized in the creation of any other data set or application. Notwithstanding the above, an End User may optionally correct or derive Canadian Postal Codes using the Value Added Products, but only as part of the address information for locations (e.g.: of delivery points and depots) that have been set up in the Value Added Product, and optionally extract data for fleet management purposes.

F. Additional provisions with respect to the Premium Points of Interest North America Licensed Product: It is expressly prohibited to use the Premium Points of Interest North America for (a) telephone call routing related applications; (b) screen pop applications, (c) CD-ROM director of other derivative directory product; (d) verification services; (e) caller name services; and (f) online marketing lead verification services. The Local Points of Interest North America cannot be licensed to the following companies, their commonly owned companies or aliases: Acxiom, Accudata, Allant, Alliance Data, eBeureau, Equifax, Experian, Knowledgebase Marketing, ChoicePoint, Harte-Hanks, Infutor, Donnelley Marketing, infoGroup, Trans Union, Transaction Network Services, and LexisNexis.

Following restrictions will apply to usage of the Brand Icon component:

Licensee agrees that the use of the Brand Icon component is subject to the terms and conditions set forth in this Agreement and that there may be additional third party terms, conditions and restrictions to which the use of the Brand Icon component will be subject and which will be provided to the End User from time to time in the product release notes.

G. Copyright Notices. Licensee shall conspicuously display each applicable then current copyright notice for the Licensed TomTom Products in accordance with Article 10.5 "Intellectual Property (rights) notice" for each Authorized Application that is based upon:

1. **MultiNet®.** As of the Effective Date, the copyright notice is: "Data Source © <current year> TomTom"; and, in addition, "based on":

(a) **MultiNet® data of Austria.** As of the Effective Date, the copyright notice is: "© BEV, GZ 1368/2003."

(b) **MultiNet® data of Denmark.** As of the Effective Date, the copyright notice is: "© DAV, violation of these copyrights shall cause legal proceedings."

(c) **MultiNet® data of France.** As of the Effective Date, the copyright notice is: [for an Authorized Application for Navigation Units: "© IGN France."] / [for an Authorized Application for Geographic Information Systems: "Georoute © IGN France."] / [for an Authorized Application for navigational products: "Michelin data © Michelin 20__"]

(d) **MultiNet® data of Indonesia.** As of the Effective Date, the copyright notice is: "® Base data Bakosurtanal".

(e) **MultiNet® data of Great Britain.** As of the Effective Date, the copyright is: "Contains Ordnance Survey data © Crown copyright and database right [current year]" and "Contains Royal Mail data © Royal Mail copyright and database right [current year]"

(f) **MultiNet® data of Northern Ireland.** As of the Effective Date, the copyright notice is: "Ordnance Survey of Northern Ireland."

(g) **MultiNet® data of Norway.** As of the Effective Date, the copyright notice is: "© Norwegian Mapping Authority, Public Roads Administration / © Mapsolutions."

(h) **MultiNet® data of Russia:** As of the Effective Date, the copyright notice is: "© Roskartographia"

(i) **MultiNet® data of Switzerland.** As of the Effective Date, the copyright notice is: "© Swisstopo."

(j) **MultiNet® data of The Netherlands.** As of the Effective Date, the copyright notice is: "Topografische ondergrond Copyright © dienst voor het kadaster en de openbare registers, Apeldoorn 2013."

2. **MultiNet[□] North America:** As of the Effective Date, the copyright notice is: "© 2006 – 2013_ TomTom. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned or licensed to TomTom. TomTom is an authorized user of selected Statistics Canada computer files and distributor of derived information products under Agreement number 6776. The product is sourced in part from Statistics Canada computer files, including 2010 Road Network File (RNF), 92-500-G and 2006 Census Population and Dwelling Count Highlight Tables, 97-550-XWE2006002. The product includes information copied with permission from Canadian authorities, including © Canada Post Corporation, GeoBase®, and Department of Natural Resources Canada, All rights reserved. The use of this material is subject to the terms of a License Agreement. You will be held liable for any unauthorized copying or disclosure of this material."

3. **MultiNet[□] Post:** As of the Effective Date, the copyright notice is: "© 2006 – 2013_ TomTom. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned or licensed to TomTom. The product includes information copied with permission from Canadian authorities, including © Canada Post Corporation, All rights reserved. The use of this material is subject to the terms of a License Agreement. You will be held liable for any unauthorized copying or disclosure of this material."

4. **Premium Points of Interest North America:** As of the Effective Date, the copyright notice is: "© 2006-2013 TomTom. All rights reserved. This material is proprietary and the subject of copyright protection, database right protection and other intellectual property rights owned by TomTom or its suppliers. Portions of the POI database contained in Local Points of Interest North America have been provided by Localeze. The use of this material is subject to the terms of a license agreement. Any unauthorized copying or disclosure of this material will lead to criminal and civil liabilities."

14. UK (ROYAL MAIL)

PREAMBLE

The following terms constitute the end user licence agreement for PAF® Data.

Public Sector entities operating within the United Kingdom must also enter into a direct Public Sector Licence agreement with Royal Mail. SAP will require Licensee to provide evidence of such a valid licence.

Corporate Group licences are available by also entering into a direct licence agreement with Royal Mail. SAP will require Licensee to provide evidence of such a valid licence.

The End User agrees to notify Solution Provider and/or Third Party Solution Providers immediately about any licensing changes and/or exceeding of the licensed category.

DEFINITIONS AND INTERPRETATION

In this Licence the following terms have the following meanings:

Bureau Customer	a customer for a Bureau Service
Bureau Services	a service comprising the Data Cleansing of a Customer Database and the supply of the resulting Cleansed Customer Database back to the relevant customer
Customer Database	a database of an End User's customer
Data Cleansing	the processing of existing data records using PAF® Data: <ul style="list-style-type: none">(a) including validating, reformatting, correcting or appending additional data to those records, and(b) including the use of PAF® Data within address capture applications, but(c) not including Data Extraction (whether carried out by an address capture application or otherwise), and Cleansed shall be read accordingly
End User	a single legal entity who a Licensee may permit to use PAF® Data through its Users in accordance with this Licence
End User Terms	the terms set out in the Licence
Extracted Data	data generated as a result of Data Extraction
Licence	these terms made up of the "Preamble" section, "Definitions and Interpretation" section and the "Licence Terms" section
PAF® Data	Royal Mail's database known as PAF®, and including the database known as the "Alias File"
Solution	a product or service or other solution which benefits from or includes PAF® Data (including the provision of PAF® Data itself), in whatever form, however produced or distributed and whether or not including other functionality, services, software or data
Substantially All Database	a database which on its own or as part of another database comprises all or substantially all the addresses in the United Kingdom or any of England, Wales, Scotland or Northern Ireland
User	an individual authorised by an End User to use a Solution

LICENCE TERMS

1. **End Users' permitted use of Solutions**

End Users may freely use PAF® Data in Solutions in accordance with these End User Terms.

2. **Conditions of use**

- (a) End Users must not make copies of PAF® Data except as permitted by these End User Terms or reasonably necessary for back-up, security, business continuity and system testing purposes.
- (b) End Users may use PAF® Data for Data Extraction but Extracted Data:
 - (i) may only be accessed by Users, and
 - (ii) must not be supplied or any access to it provided to any third party.
- (c) End Users may provide Cleansed data to third parties provided that:
 - (i) where that supply is a Bureau Service, the End User and the Bureau Customers comply with the restrictions in Schedule 4, and
 - (ii) if such databases are Substantially All Databases:
 - (A) such databases are not represented or held out as a master, original or comprehensive address database or other similar description,

(B) the access is provided in the course of the End User's normal data supply or routine business activities and is not carried on as a business in its own right, and

(C) the provision includes a prominent notice that the relevant Cleansed data has been cleansed against PAF® Data.

- (d) End Users must not permit access to, display or communicate to the public any Solutions, except for the purposes of capturing or confirming address details of third parties.
- (e) Except as set out in these End User Terms, End Users must not:
- (i) transfer, assign, sell or license Solutions or their use to any other person,
 - (ii) use Solutions to create a product or service distributed or sold to any third party which relies on any use of PAF® Data, including copying, looking up or enquiring, publishing, searching, analysing, modifying and reformatting, or
 - (iii) copy, reproduce, extract, reutilise or publish Solutions or any of them.

3. **Subcontracting**

End Users may provide PAF® Data to their subcontractors who may use it to the extent necessary for:

- (a) the provision of information technology services to the End User, or
- (b) acting on behalf of the End User

in each case for the End User's own business purposes and not those of the sub-contractor and provided that each such sub-contractor agrees to observe the restrictions on use of PAF® Data contained in these End User Terms and that the End User is responsible for any breaches of those terms by such sub-contractor.

4. **Personal rights**

End User rights are personal, limited and non-transferable.

5. **Royal Mail's IPR notice**

The End User acknowledges that Royal Mail is the owner of the intellectual property rights in PAF® Data and the PAF® brand and it does not acquire and is not granted any rights to use those intellectual property rights other than as set out in these End User Terms.

6. **Cessation of use of PAF® Data**

End Users must cease use of PAF® Data if their right to use PAF® Data is terminated and also destroy any copies of PAF® Data they hold.

7. **PAF® use by Users**

End Users must ensure that:

- (a) these End User Terms bind their Users,
- (b) only their Users exercise the use rights of Solutions and PAF® Data granted to End Users further to these End User Terms, and
 - (i) in the event of termination or expiry of End Users' rights to use Solutions and PAF® Data, the rights of Users to use them also terminate.

15. USA – USPS SUBLICENSE AGREEMENTS

1. Limits on Use of Data

1.1 *USPS Certified Address Directory Option for DPV and Lacslink*. In the event Licensee activates the locking features of the Software and wishes to unlock such features, Licensee agrees to provide certain information relating to the list owner, locking record details and the origin of the locking record including but not limited to the type of list, owner of list if rented and other tracking information as requested by the Licensor or the USPS.

2. Geographic Specific Restrictions

- a. USPS products may only be sold in the US and are not available outside of the US.
- b. US NATIONAL DIRECTORY PRODUCTS MAY BE SOLD GLOBALLY.
- c. SPECIALIZED PRODUCTS SUCH AS LACSLINK, SUITELINK, NCOALINK, DPV, USPS DELIVERY SEQUENCE FILE – DSF2 AND RDI MAY ONLY BE SOLD TO US PERSONS OR ENTITIES FOR USE WITHIN THE US.

THE NCOALINK INTERFACE CAN ONLY BE SOLD TO PERSONS WHO ARE AUTHORIZED BY THE USPS TO PURCHASE NCOALINK DATA. (NOTE: WE ONLY SELL THE NCOALINK INTERFACE AND CUSTOMERS MUST OBTAIN THE NCOALINK DATA DIRECTLY FROM THE USPS AND MUST BE CERTIFIED TO PURCHASE SUCH DATA BY THE USPS.)

15.1. USPS SUITELINK:

1. Licensee's right to use the CASS Certified Interface and the SuiteLink Product shall be strictly limited to use only within the United States of America;
2. Licensee's right to use the CASS Certified Interface and the SuiteLink Product shall be strictly limited to improving business delivery addresses in multi-occupation buildings for use on letters, flats, postcards, packages, leaflets, magazines, postcards, advertisements, books, and other printed material, and any other item that will be delivered by USPS.
3. Licensee have no right to sublicense, sell or otherwise distribute, reproduce, perform, or prepare derivative works of the Interface or the SuiteLink Product.
4. Licensee acknowledges that:
 - a. the CASS Certified Interface and the SuiteLink Product under license from USPS;
 - b. You are a sublicensee under SAP's license from USPS and obtain from Licensor no broader right than permitted under SAP's license agreement with USPS;
5. You shall be strictly limited to using the CASS Certified Interface and the SuiteLink Product only as a component of SAP's Data Quality or Data Services products.

15.2 USPS NCOALINK

1. Licensee has no rights as to the NCOALink Interface under this agreement beyond using it as a component of Licensor's Data Quality and Data Services products in conjunction with the NCOALink data product to update a list, system, group or other collection of *at least 100* unique names and addresses (herein "Mailing Lists") used for addressing letters, flats, postcards, packages, leaflets, magazines, advertisements, books and other printed material, and any other deliverable item handled by the United States Postal Service (herein "Deliverables") for delivery by the United States Postal Service (herein "USPS").
2. Licensee has no right to develop or use any NCOALink product, service, interface, or any related item or technology to compile or maintain a list or collection of names and addresses or addresses only of new movers or to create other products or data bases or collections of information concerning new movers, histories of address changes, lists or histories of residents, or other informational or data sources based upon information received from or through the NCOALink data or technology for the purpose of renting, selling, transferring, disclosing, making available or otherwise providing such information to an entity unrelated to Licensee.
3. For the purposes of communicating with addressees on Licensee's Mailing Lists and for the purpose of record-keeping, however, Licensee is permitted to retain updated addresses so long as not used in violation of paragraph 2 above, for individuals and entities with whom Licensee has or had a business relationship, in connection with which Licensee will use the updated address; however, these updated addresses may only be used by Licensee and Licensee may use them only for carrying out your organizational purposes in connection with that individual or entity and may not transfer, disclose, license or distribute to, or be used by any other entity or individual whatsoever.
4. No proprietary Mailing List that contains both old and corresponding updated address records, or any service product or system of lists that can be used to link old and corresponding updated address records, if updated by use of NCOALink, shall be rented, sold, transferred, disclosed, made available, or otherwise provided, in whole or in part to your customers or any other individual or entity.
5. Licensee's right to use the NCOALink Interface is strictly limited to use only within the United States, its territories, and possessions.
6. As to the Interface, Licensee has the right only to update Mailing Lists used to prepare Deliverables that will be deposited with the USPS.

7. Licensee has no right to sublicense, sell, assign, or otherwise transfer rights in, reproduce, perform, attempt to improve, reverse engineer, modify or otherwise change, or prepare derivative works of the Interface. Any attempt to sublicense, sell, assign, or otherwise transfer rights in, or otherwise distribute the Interface shall be void.
8. Licensee acknowledges that:
 - a. USPS owns the NCOALink data, technology, and system in its entirety including that used in the development of the Interface;
 - b. USPS owns and retains rights in the trademark of NCOALink and in the registered trademarks UNITED STATES POSTAL SERVICE®, POSTAL SERVICE ®, US POSTAL SERVICE®, AND USPS® ;
 - c. SAP is providing the Interface as a component of its products to Licensee solely for use with the NCOALink Product under a nonexclusive, limited distribution license from USPS; and
 - d. the rights Licensee obtains in this license are derived from SAP's agreement with USPS and you obtain from SAP no broader right than SAP obtains from USPS, except as to Licensee's specific right to use the NCOALink Interface to access the NCOALink data.
9. Licensee is strictly limited to using the Interface only as a component of SAP's Data Quality and Data Services products.
10. Licensee acknowledges and agrees that Licensee has no right to sublicense, sell, distribute, reproduce, or display USPS trademarks or sell the Interface or other products under USPS's trademarks.

15.3 DPV SUBLICENSE AGREEMENT

This Sublicense Agreement ("Sublicense") between SAP and Licensee, its subsidiaries and affiliates, current and future ("Sublicensee") sets forth additional terms required by the United States Postal Service ("USPS") regarding Sublicensee's use of the DPV option with other SAP CASS certified software.

For purposes of this Sublicense, Delivery Point Validation ("DPV") means the new USPS proprietary technology product designed to help mailers validate the accuracy of address data, right down to the physical delivery point. The DPV process cannot assign a ZIP+4 Code nor will it respond to a non-ZIP+4 coded address.

1. Sublicensee understands that the USPS provides the DPV Product through special licensing in order to protect the USPS' proprietary intellectual property and its compliance with restrictions of Title 39 USC § 412.

2. Sublicensee acknowledges that the address information contained within the DPV Product is subject to Title 39 USC § 412. Sublicensee shall take all steps necessary to secure the DPV Product in a manner that fully complies with Section 412 constraints prohibiting the disclosure of address lists.

3. Sublicensee acknowledges that the DPV Product is confidential and the proprietary property of the USPS. Sublicensee further acknowledges that the USPS represents that it is the sole owner of copyrights and other proprietary rights in the DPV Product.

4. Sublicensee shall not use the DPV Product technology to artificially compile a list of delivery points not already in Sublicensee's possession or to create other derivative products based upon information received from or through the DPV Product technology.

5. No proprietary Sublicensee address list(s) or service products or other system of records that contain(s) address attributes updated through DPV processing shall be rented, sold, distributed or otherwise provided in whole or in part to any third party for any purpose containing address attributes derived from DPV processing. Sublicensee may not use the DPV technology to artificially generate address records or to create mailing lists.

6. The DPV Product processing requires Sublicensee to have access to address information that appears on mail pieces. To ensure the confidentiality of this address information, no employee or former employee of Sublicensee may, at any time, disclose to any third party any address information obtained in the performance of this agreement. Sublicensee agrees to control and restrict access to address information to persons who need it to perform work under this agreement and prohibit the unauthorized reproduction of this information. Due to the sensitive nature of the confidential and proprietary information contained in the DPV Product, Sublicensee acknowledges that unauthorized use and/or disclosure of the DPV will irreparably harm the USPS' intellectual property. Therefore, Sublicensee (i) agrees to reimburse the USPS for any unauthorized use and/or disclosure at a rate of treble (3 times) the current annual fee charged to Sublicensee hereunder; and (ii) consents to such injunctive or other equitable relief as a court of competent jurisdiction may deem proper.

7. BOTH SAP AND THE USPS SHALL NOT BE LIABLE FOR ANY DESIGN, PERFORMANCE OR OTHER FAULT OR INADEQUACY OF DPV, OR FOR DAMAGES OF ANY KIND ARISING OUT OF OR IN ANY WAY RELATED TO OR CONNECTED WITH SUCH FAULT OR INADEQUACY. IN NO EVENT SHALL SAP'S OR THE USPS' LIABILITY TO SUBLICENSEE UNDER THIS AGREEMENT, IF ANY, EXCEED THE PRO RATA PORTION OF THE ANNUAL LICENSE FEE FOR DPV.

8. SAP agrees to hold harmless, defend and indemnify Sublicensee for infringement of any U.S. copyright, trademark, or service mark in the DPV provided to Sublicensee under this Agreement. The foregoing obligation shall not apply unless SAP shall have been informed within five (5) calendar days by Sublicensee of the suit or action alleging such infringement and shall have been given such opportunity as is afforded by applicable laws, rules, or regulations to participate in the defense thereof. In addition, Sublicensee agrees to hold harmless, defend and indemnify SAP and the USPS and its officers, agents, representatives, and employees from all claims, losses, damage, actions, causes of action, expenses, and/or liability resulting from, brought for, or on account of any injury or damage received or sustained by any person, persons or property growing out of, occurring, or attributable to Sublicensee's performance under or related to this agreement, resulting in whole or in part from any breach of this Agreement or from the negligence or intentional misconduct, including any unauthorized disclosure or misuse of DPV Product, including data derived from DPV, by Sublicensee, or any employee, agent, or representative of Sublicensee.

9. Sublicensee acknowledges that the USPS reserves the right to stop DPV processing in the USPS' sole discretion. SAP will not be liable or responsible for any decision the USPS makes in canceling Sublicensee's Sublicense, including, but not limited to, arbitrating the cancellation decision on behalf of the customer. In the event the USPS cancels Sublicensee's DPV processing, (i) Sublicensee shall not be entitled to any refund or credit from SAP; and, (ii) SAP will discontinue shipping DPV directories to Sublicensee.

10. Sublicensee agrees that the USPS or its designated representatives, on an announced or unannounced basis, shall have the right to visit and examine Sublicensee's sites. USPS or its designated representatives shall have the right to examine, on or off Sublicensee's premises, Sublicensee's computer systems, processing files, documents, administrative records, and other materials to ensure Sublicensee's compliance with the provisions of this agreement.

11. Sublicensee further agrees that the USPS or its authorized representatives will, until three (3) years after final payment under this agreement, have access to and the right to examine any directly pertinent books, documents, papers, records or other materials of Sublicensee involving transactions related to this agreement.

12. Sublicensee shall not export the DPV Product outside of the United States or its territories without prior written approval of the USPS.

13. This Sublicense shall be governed by the federal laws of the United States of America, or, when no such law is applicable, then by the laws of the State of New York as interpreted by the United States Court of Appeals for the Second Circuit.

14. This Sublicense shall not be transferable, in whole or in part. The rights and obligations of Sublicensee shall be terminated immediately in the event of a dissolution, merger, buy-out, or transfer of any kind of the assets of Sublicensee.

15. All obligations of Sublicensee referred to in this Sublicense inure to the benefit of USPS.

15.4 USPS LACSLINK SOFTWARE SUBLICENSE

This Sublicense Agreement (“Sublicense”) between SAP and Licensee, its subsidiaries and affiliates, current and future (“Sublicensee”) sets forth additional terms required by the United States Postal Service (“USPS”) regarding Sublicensee’s use of the LACSLink option with other CASS certified software.

1. For purposes of this document, the following terms shall be defined as set forth below:
 - “USPS” means the United States Postal Service.
 - “Deliverables” means letters, flats, postcards, packages, leaflets, magazines, postcards, advertisements, books, and other printed material, and any other item delivered by USPS.
 - “Interface” means one or more SAP interfaces developed for use with the LACSLink Product. “LACSLink Product” means the confidential and proprietary database concerning the conversion of existing addresses to their new or update or replacement address or the like, provide by USPS in a highly and uniquely secured environment.
2. Sublicensee’s right to use the Interface shall be strictly limited to use only within the geographic boundaries governed by the United States, its territories, and possessions, and only for updating addresses and mailing lists used to prepare Deliverables for deposit with USPS in conformance with USPS requirements
Sublicensee shall have no right to sublicense, sell or otherwise distribute, reproduce, perform, or prepare derivative works of the Interface. Sublicensee hereby acknowledges that:
 - USPS owns the LACSLink Product and USPS marks;
 - SAP provides the SAP product in part under license from USPS;
 - Sublicensee is a Licensee under SAP’s license from USPS and obtains from SAP no broader right than granted to SAP in such license from USPS;
 - Sublicensee shall be strictly limited to using the Interface only as a component of the SAP product; and Sublicensee agrees that it does not have a right to sublicense, distribute, reproduce, perform, display, or sell the Interface or USPS’s marks.
3. BOTH SAP AND THE USPS SHALL NOT BE LIABLE FOR ANY DESIGN, PERFORMANCE OR OTHER FAULT OR INADEQUACY OF LACSLink, OR FOR DAMAGES OF ANY KIND ARISING OUT OF OR IN ANY WAY RELATED TO OR CONNECTED WITH SUCH FAULT OR INADEQUACY. IN NO EVENT SHALL SAP’S OR THE USPS’ LIABILITY TO SUBLICENSEE UNDER THIS AGREEMENT, IF ANY, EXCEED THE PRO RATA PORTION OF THE ANNUAL LICENSE FEE FOR LACSLink BASED ON THE EFFECTIVE DATE OF CANCELLATION WITHIN THIRTY (30) CALENDAR DAYS OF THE DATE OF CANCELLATION.
4. SAP agrees to hold harmless, defend and indemnify Sublicensee for infringement of any U.S. copyright, trademark, or service mark in the LACSLink Product provided to Sublicensee under this Agreement. The foregoing obligation shall not apply unless SAP shall have been informed within five (5) calendar days by Sublicensee of the suit or action alleging such infringement and shall have been given such opportunity as is afforded by applicable laws, rules, or regulations to participate in the defense thereof. In addition, Sublicensee agrees to hold harmless, defend and indemnify SAP and the USPS and its officers, agents, representatives, and employees from all claims, losses, damage, actions, causes of action, expenses, and/or liability resulting from, brought for, or on account of any injury or damage received or sustained by any person, persons or property growing out of, occurring, or attributable to Sublicensee’s performance under or related to this agreement, resulting in whole or in part from any breach of this Agreement or from the negligence or intentional misconduct, including any unauthorized disclosure or misuse of LACSLink Product, including data derived from LACSLink Product, by Sublicensee, or any employee, agent, or representative of Sublicensee.
5. Sublicensee acknowledges that the USPS reserves the right to stop LACSLink Product processing in the USPS’ sole discretion. SAP will not be liable or responsible for any decision the USPS makes in canceling Sublicensee’s Sublicense, including, but not limited to, arbitrating the cancellation decision on behalf of the customer. In the event the USPS cancels Sublicensee’s LACSLink Product processing, (i) Sublicensee shall not be entitled to any refund or credit from SAP; and, (ii) SAP will discontinue shipping LACSLink Product directories to Sublicensee.
6. Sublicensee agrees that the USPS or its designated representatives, on an announced or unannounced basis, shall have the right to visit and examine Sublicensee’s sites. USPS or its designated representatives shall have the right examine, on or off Sublicensee’s premises, Sublicensee’s computer systems, processing files, documents, administrative records, and other materials to ensure Sublicensee’s compliance with the provisions of this agreement.
7. Sublicensee further agrees that the USPS or its authorized representatives will, until three (3) years after final payment under this agreement, have access to and the right to examine any directly pertinent books, documents, papers, records or other materials of Sublicensee involving transactions related to this agreement.
8. Sublicensee shall not export the LACSLink Product outside of the United States or its territories without prior written approval of the USPS.
9. This Sublicense shall be governed by the federal laws of the United States of America, or, when no such law is applicable, then by the laws of the State of New York as interpreted by the United States Court of Appeals for the Second Circuit.
10. This Sublicense shall not be transferable, in whole or in part. The rights and obligations of Sublicensee shall be terminated immediately in the event of a dissolution, merger, buy-out, or transfer of any kind of the assets of Sublicensee.
11. All obligations of Sublicensee referred to in this Sublicense inure to the benefit of USPS.

15.5 DSF2 INTERFACE (USPS DELIVERY SEQUENCE FILE - DSF2)

1. Sublicensee has no rights as to the DSF2 Interface under this agreement beyond using it in conjunction with the DSF2 data product to update a list, system, group or other collection of addresses (herein “Mailing Lists”) used for addressing letters, flats, postcards, packages, leaflets, magazines, advertisements, books and other printed material, and any other deliverable item handled by the United States Postal Service (herein “Deliverables”) for delivery by the United States Postal Service (herein “USPS”).

2. Sublicensee's right to use the DSF2 Interface is strictly limited to use only within the United States, its territories, and possessions.
3. As to the Interface, Sublicensee has the right only to sequence and/or update Mailing Lists used to prepare Deliverables that will be deposited with the USPS.
4. Sublicensee has no right to sublicense, sell, assign, or otherwise transfer rights in, reproduce, perform, attempt to improve, reverse engineer, modify or otherwise change, or prepare derivative works of the Interface. Any attempt to sublicense, sell, assign, or otherwise transfer rights in, or otherwise distribute the Interface shall be void.
5. Sublicensee acknowledges
 - a. that USPS owns the DSF2 data, technology, and system in its entirety including that used in the development of the Interface;
 - b. that USPS owns and retains rights in the trademark of DSF2 and in the registered trademarks UNITED STATES POSTAL SERVICE®, POSTAL SERVICE®, US POSTAL SERVICE®, AND USPS® ;
 - c. that Licensee is providing the Interface to Sublicensee solely for use with the DSF2 Product under a nonexclusive, limited distribution license from USPS; and
 - d. that the rights Sublicensee obtains in this license are derived from Licensee's agreement with USPS and Sublicensee obtains from Licensee no broader right than Licensee obtains from USPS, except as to Sublicensee's specific right to use the DSF2 Interface to access the DSF2 data.
6. Sublicensee is strictly limited to using the Interface only with the DSF2 Product; and
7. Sublicensee acknowledges and agrees that Sublicensee has no right to sublicense, sell, distribute, reproduce, or display USPS trademarks or sell the Interface or other products under USPS's trademarks.

Exhibit 6 – SAP Business One Software

PREAMBLE

The minimum license requirements for a SAP Business One installation is one (1) SAP Business One Starterpackage User or one (1) SAP Business One Professional User.

1. As part of SAP Business One software SAP provides preconfigured SAP Crystal Reports and SAP Crystal Dashboards. Such reports and dashboards are available without additional license fee (see SAP Crystal Versions for SAP Business One).
2. SAP Business One software requires a database. Such data base can be licensed via SAP , it's authorized reseller or direct via the database vendor or it's authorised reseller.

1. SAP Business One Integration for SAP NetWeaver

- 1.1 SAP Business One integration for SAP NetWeaver is part of the SAP Business One license, except for the Starter Package User.
- 1.2 *SAP Business One Integration for SAP NetWeaver® Integration Packages_* SAP Business One integration for SAP NetWeaver Integration Packages are provided without additional charge; use is subject to separate use terms.

2. SAP Business One Starter Package User

- 2.1 Minimum license requirement: One (1) SAP Business One Starter Package User.
- 2.2 Maximum number of licenses is limited to five (5) SAP Business One Starter Package Users.
- 2.3 If licensee requires more than the maximum number of five (5) SAP Business One Starter Package Users, all users need to be licensed as SAP Business One Professional or Limited Professional User.
- 2.4 The following product options can be added to the SAP Business One Starter Package:
 - o SAP Business One Option for SAP HANA
- 2.5 The SAP Business One Starter Package User cannot be combined with any other SAP Business One Named User type or with other SAP Business One product option.

3. SAP Crystal Versions for SAP Business One

- 3.1 SAP provides preconfigured SAP Crystal Reports and SAP Crystal Dashboards as a part of SAP Business One.
- 3.2 Such SAP provided reports and dashboards are available to all SAP Business One Named Users without additional license fee.
- 3.3 A single SAP Business One system includes one (1) user for SAP Crystal Reports, without additional license fee.
- 3.4 For additional dashboards, the appropriate SAP Crystal Dashboard Design software license is required to view, use and modify.
- 3.5 SAP Crystal product versions for SAP Business One (i) are restricted for Use with the SAP Business One application data; (ii) are further subject to the terms and conditions applicable to SAP Crystal as stated in the List of Prices and Conditions for SAP Software and Support; and (iii) cannot be in deployed in a standalone environment.
- 3.6 *SAP Crystal Reports, version for the SAP Business One application.* SAP Crystal Reports version for the SAP Business One application provides a single user license that grants access rights to use SAP Crystal Reports, version for SAP Business One. Prerequisite: Licensee has to purchase one Professional User or one Limited User or one Indirect access User for each option licensed.
- 3.7 *SAP Crystal Dashboard Design, version for the SAP Business One application.* SAP Crystal Dashboard Design, version for the SAP Business One application provides a single user license that grants access rights to use SAP Crystal Dashboard Design for SAP Business One. The SAP Crystal Dashboard Design, version for SAP Business One license does not include the rights granted under a SAP Crystal Dashboard Design license. One named user license of the SAP Crystal Dashboard Viewing, version for the SAP Business One application is included with the SAP Crystal Dashboard Design, version for SAP Business One license. Prerequisite: Licensee has to purchase one Professional User or one Limited User or one Indirect access User for each option licensed.
- 3.8 *SAP Crystal Dashboard Viewing, version for the SAP Business One application.* SAP Crystal Dashboard Viewing, version for the SAP Business One application license provides a single user license that grants rights to view dashboards created using the SAP Crystal Dashboard Design, version for SAP Business One software. Prerequisite: Licensee has to purchase one Professional User or one Limited User or one Indirect access User for each option licensed.

4. SAP Business One Software Development Kit (SDK)

The SAP Business One Software Development Kit (SDK) is a development toolkit that allows programmers to interface 3rd party applications with SAP Business One both, at the database level and/or at the user interface level. The development tools consist of tools and interfaces to access SAP Business One from 3rd party applications and vice versa. Each SAP Business One Software Development Kit license allows rights of use for a maximum of twenty (20) SDK programmers. Prerequisite: Customer has to purchase One Professional User for each SDK programmer.

5. SAP Lumira for SAP Business One application

SAP Lumira, version for SAP Business One provides a single user license that grants access rights to use this product solely in conjunction with a SAP Business One license. Prerequisite: Licensee has to purchase one Professional User or one Limited User or one Indirect access User for each option licensed.

6. Integration Framework of SAP Business One

The Integration Framework of SAP Business One is the integration platform for SAP Business One. The predefined standard integration scenarios delivered by SAP and the required instances (systems) can be used without additional license fee. The right to run integration scenarios developed by partners or customers with instances (systems) in the system landscape directory of the Integration Framework of SAP Business One can be acquired for an additional fee per instance (system). Existing SAP Business One customers, contract date before July 15th 2013, can continue to use the Integration Framework without additional cost.

7. SAP Business One Option for SAP HANA is an option authorized to perform analytics content provided by the licensed SAP Business One Analytics software used solely in conjunction with SAP Business One. Prerequisite: One SAP Business One Engine for SAP HANA per contract. When this option is selected, Customer must purchase all Professional, Limited and Starter Package user.

8. SAP Customer Checkout is a Point Of Sales solution. Prerequisite: no prerequisite.

9. SAP Business One Metrics.

SAP Business One Named User

A **SAP Business One Professional User** is a Named User who performs operational related roles supported by the SAP Business One Software. The SAP Business One Professional User license is needed to administer a SAP Business One installation and work with production and Material Resource Planning (MRP). The SAP Business One Professional User does include the rights granted under a SAP Business One Limited CRM User, SAP Business One Limited Financial User, SAP Business One Limited Logistic User and SAP Business One Indirect Access User license. The Professional SAP Business One User does not include the rights granted under a SAP Business One Web CRM User license.

SAP Business One Limited User is a Named User who has access rights to the SAP Business One functionality to support operational processing and information requirements in a specific role. Each Limited User can be requested as one of these roles: CRM, Financial or Logistic. The SAP Business One Limited User license does include the rights granted under an SAP Business One Indirect Access User license

SAP Business One Limited to SAP Business One Professional User (Upgrade User) is a Named User authorized to perform SAP Business One Professional User related roles supported by the licensed Software provided such Named User is also an individual licensed from SAP as an SAP Business One Limited User and both such Users are licensed for the same runtime database, if any. If receiving maintenance under the maintenance agreement, Licensee must be subscribed to and fully paid on maintenance for both this User and the underlying SAP Business One Limited User for so long as Licensee continues to receive maintenance under the maintenance agreement. This allow the upgrade from: SAP Business One Limited CRM User to SAP Business One Professional User; SAP Business One Limited Financial User to SAP Business One Professional User; SAP Business One Limited Logistic User to SAP Business One Professional User; SAP Business One Limited to SAP Business One Professional User; SAP Business One CRM Sales User to SAP Business One Professional User; SAP Business One CRM Service User to SAP Business One Professional User.

SAP Business One Indirect Access User is a Named User authorized to access Software Solution Provider (SSP) solutions only. An SAP Business One Indirect Access User does not have authorization right to any functions (forms) in SAP Business One itself. Each user can access unlimited number of SSP solutions. Connections can be created thought the DI-API and the Service Layer. Separate license is required for connections through the Integration Framework of SAP Business One.

SAP Business One Mobile Application User is a Named User who has access rights to the 'SAP Business One Sales (mobile app)' only.

Business One Starter Package User is a Named User who performs operational related roles supported by the SAP Business One Starter Package Software. The SAP Business One Starter Package User license does include the rights granted under an Indirect Access User license. The SAP Business One Starter Package User license does not include the rights granted under a SAP Business One Professional User.

SAP Business One Starter Package to SAP Business One Professional User is a Named User authorized to perform SAP Business One Professional User related roles supported by the licensed Software provided such Named User is also an User licensed from SAP as an SAP Business One Starter Package User and both such Users are licensed for the same runtime database, if any. If receiving support under the support agreement**, Licensee must be subscribed to and fully paid on support for both this User and the underlying SAP Business One Starter Package User for so long as Licensee continues to receive support under the support agreement.

SAP Business One Starter Package to SAP Business One Limited User is a Named User authorized to perform SAP Business One Limited User related roles supported by the licensed Software provided such Named User is also an User licensed from SAP as an SAP Business One Starter Package User and both such Users are licensed for the same runtime database, if any. If receiving support under the support agreement**, Licensee must be subscribed to and fully paid on support for both this User and the underlying SAP Business One Starter Package User for so long as Licensee continues to receive support under the support agreement.

10 Remaining SAP Business One Metrics

Cores are the number of cores in CPUs that are available for use by the licensed software. The number of Core licenses must be an integer. When counting physical Cores, each Core of a physical CPU that runs at least parts of the licensed software, including those that are temporarily assigned or scheduled to cover peak processing, is considered and counted.

When counting virtual Core's, each virtual Core that runs at least parts of the licensed software, including those that are temporarily assigned or scheduled to cover peak processing, is counted.

If the licensed Software will run in a pure virtual environment, physical Cores will not be counted. For purposes of clarification, "Core" as defined in this metric definition is different from "core" as referenced in the metric definition for any Software licensed on a CPU basis (if any), and therefore is not applicable in that context.

Contract price is the net value of the Software Agreement. Contract price for partners is defined as the amount the Partner has to pay for SAP and Third Party Software to SAP. So, the Contract price for Partners is calculated based on the price recommended by manufacturer minus all partner discounts.

Devices are any piece of equipment or hardware and include but are not limited to: a workstation, terminal, point of sale terminal, notebook, handheld, tablet, PDA, smartphone, internet connected television, scale devices, devices installed in a vehicle (on-board units) or other networked devices. The application itself defines the type of devices that are used and therefore counted for the price list item (e.g., Sybase SQL Anywhere Database for Use with SAP POS for Retail devices are defined as those devices accessing data from SQL Anywhere Database or e. g. SAP Mobile Order Management devices are all devices installed as on-board units in a vehicle).

Flat Fee/Fixed Fee is defined as a fixed package license fee for the Software.

Gigabytes of memories are the total amount of memory (measured in gigabytes) that may be used by the SAP HANA Software.

Instances are unique connections to a single specified application or technology type.

(Instances in the context of the Integration Framework of SAP Business One are sending or receiving systems defined in the system landscape directory used in active integration scenarios. One unique instance is counted only one time.)

MSRP (Manufacturer Suggested Reselling Price) is the list price minus volume discount.

Users are individuals who Use the Software.

Below are Product Specific Terms and NOT metrics

SAP Business One DI Server

The DI-Server enables business partners to develop SOAP-based solutions to read, write, update, and remove data objects on the database level. It provides a suitable infrastructure for server-oriented partner solutions. The DI-Server is a license per Core on a CPU, not as a Named User. The core count is defined by the number of cores available in the Operating System used by the DI-Server or the Service layer. Note, the underlying core can be a physical, logical or virtual. Connections can be created through the DI-Server and the Service Layer. Separate license is required for connections through the DI-API and Integration Framework of SAP Business One.

SAP Business One for SAP HANA Engine

Licensee has to license SAP Business One, version for SAP HANA Engine as a runtime restricted license database for SAP Business One and certified SAP Business One Add-ons, including certified SAP Business Add-ons created by SAP partners or SAP Business One Add-ons created by Licensee. Licensee shall only use the SAP Business One, version for SAP HANA Engine in connection with SAP Business One Software and the aforementioned SAP Business One Add-ons and only for the purposes of its own internal data processing which includes access of third party user authorized by Licensee such as contractors, supply chain vendors or suppliers, customers, or third party individuals authorized by Licensee. Any access to the SAP Business One, version for SAP HANA Engine, including but not limited to data loading, modeling, reporting and distribution, must take place via SAP Business One or the aforementioned SAP Business One Add-ons.

The SAP Business One, version for SAP HANA Engine includes a runtime license of HANA Studio and access is solely to administer and manage the SAP Business One, version for SAP HANA Engine, or for system administration tasks and data modeling for reporting requirements. The SAP Business One, version for SAP HANA Engine cannot be deployed on the same installation as any other SAP HANA software. The SAP Business One, version for SAP HANA Engine is licensed for addressable RAM memory and can only run on SAP certified hardware and with the supported operating system(s). Licensee has to license for all individuals Using the SAP Business One, version for SAP HANA Engine, also through other reporting tools, a SAP Business One Named User license or a SAP Business One connector license.

The SAP Business One, version for SAP HANA engine includes a runtime license for the all the SAP HANA components included in the packages SAP Business One analytics powered by SAP HANA , SAP Business One, version for SAP HANA and SAP HANA Platform Edition Revision Packages for SAP Business One

**Support for SAP Business One is subject to conclusion of a support agreement.

11. Localizations. Licenses for SAP Business One software can be used on any of the localizations supported by SAP Business One software. However, for SAP Business One software licensed after 01.01.2010, the license key will be issued 'per localization'. By default the localization of the requested software country version will be released. Each licensed Named User can only access the localization for which the license key was issued. Employees that require access to two or more localizations will require two or more Named User licenses.

12. Intercompany Integration Solution for SAP Business One

The Intercompany Integration Solution for SAP Business One software may include certain third party open source and/or other components. Prerequisite: Customer must purchase One Professional User or one Limited User for each option licensed. When this option is selected, all Professional and Limited users must also be licensed

13. Fail-over Server

For any operating system environment in which Licensee runs installations of SAP Business One software, Licensee may run up to the same number of passive fail-over installations of SAP Business One software in a separate operating system environment for temporary support. Licensee may run the passive fail-over installation of SAP Business One software on a hardware server other than the licensed hardware server.

14. Test Installations

The Licensee is entitled to run one SAP Business One software installation for internal testing purposes. For such test installation, the Licensee may use same users which Licensee has licensed for productive use of SAP Business One software.

Exhibit 7 – Metrics for SAP Non-Standard Software Components

Repeatable Custom Solutions

Business Partner for Online Application Submission management is defined as:

- **For Public Sector customers** as citizen
- **For banking customers** as the number of customers with financial transactional data within the last 2 years.
- **For insurance customers** as the number of insureds

Electronic Ledger Master Records are the ledger line items included on a journal ledger page that are transmitted to Turkish government authority.

Payroll employees are defined as employees who run through SAP Payroll and need to be notified by APG (insurance company in the Netherlands; <http://www.apg.nl/nl>) for their pension.

Prepayment contracts are a sub-set of **Contracts Utilities** (existing metric on master pricelist); containing all utility contracts which are operated via prepayment.

SOAR Sales Orders are defined as the annual number of sales orders the customer will process through the RCS Sales Order Allocation and Rescheduling (SOAR) on HANA. The figure is taken as the number of discrete sales orders processed annually by the SOAR Allocation run (Arun) process.

Adaptable Custom Solutions

Citizen is defined as a native or naturalized member of a political community

Underlying installation: An underlying installation is defined as an instance of the software installed at a designated device where the non-standard software is based on.

Shipment: A shipment is defined as cargo transported under the terms of a single order.

Total annual revenue is defined as income that a company or organization receives from its business activities and other revenue from interest, dividends or royalties

Service Order: A service order contributing to usage volume is defined as one discrete order that is mapped in the software in a given calendar year. A service order can be among others a workshop order, a repair order, or a maintenance order.

The number of service orders applied in determining usage volume is the total number of discrete orders mapped with Software for which order master records are created in Software in a given calendar year. Where, for example, an up-stream system bundles multiple orders, the number of orders to be counted is the number before bundling.

Where an order master record is created in Software, the service order, as defined above, is within the ambit of of the Adaptable Solutions Contract for Software. It matters not how an order master record is generated in Software (for example, by directly creating orders in MRS or by importing order master records from upstream systems such as DBM) or whether an order is in fact the object of any further planning using Software.

The measurement as described above will measure the number of service orders created as data records in the calendar year.

Service Order for SAP Enhanced Maintenance Service Planning means Representation of a reservation for a service area, so called: Slot Order. Check Orders are excluded

Solutions in “early adoption phase”

Consumer Data Object is defined as an object or record that represents information about Consumers i.e. a person or group of related people (e.g. Household) that has any kind of business relationship with the licensee where such information is stored and managed in the Master Data Services repository. *For purposes of illustration including but not limited to, such an object or record can represent Contacts, Citizen, Patient data or a customer defined object.*

Exhibit 8 – Terms relating to Third Party Web Services

Third Party Web Services are defined in Section 1.2.6 of the Preamble to these Use Terms and examples of Third Party Web Services include services such as: Facebook, Evernote, Gigya, Twitter, Google Maps and other such services (non-exhaustive list for the purpose of examples – please refer to the definition of Third Party Web Services for precise definition). The following terms apply to all Third Party Web Services:

- Use of the Third Party Web Service's API is subject to Licensee's acceptance of the Third Party Web Service's terms and conditions, which must be obtained from the Third Party Web Service provider. SAP is not a party to the agreement between the Licensee and the Third Party Web Service provider.
- Licensee is solely responsible for its use of the Third Party Web Services and the Third Party Web Services API and for obtaining all account and authentication credentials required to access or use the Third Party Web Service's API or the Third Party Web Service.
- The Third Party Web Service's API and the Third Party Web Service are excluded from SAP support obligations.
- SAP may throttle, suspend or terminate the Licensee's access to the Third Party Web Service's API through the Product if Licensee violates or causes SAP to violate Third Party Web Service provider's terms of service or other applicable Third Party Web Service provider agreements or policies (including, without limitation, exceeding any data or usage limits).
- The Third Party Web Service's API and the Third Party Web Service are excluded from all SAP representation, warranties, indemnifications.
- Licensee expressly agrees to indemnify SAP, its officers, employees, agents and subcontractors from and against all claims, liabilities, losses, damages and costs (including reasonable attorney fees) suffered by SAP arising from the use of any Third Party Web Services by Licensee or its Affiliates.

PART 3 SAP MAINTENANCE AND SUPPORT

This part of the document contains the conditions for the SAP Support provided for the software as referenced in the contractual agreements.

Maintenance Phases and Support Offerings

In order to receive support the Licensee needs to define a central point of contact for contract processing with SAP (including license audit, billing, order processing, user master and installation data management).

SAP offers different Maintenance Phases for a particular software release. The scope of SAP Support for a specific software release depends upon the maintenance phase applicable to that specific release. Since SAP's software licensing is release-independent, the relevant maintenance phase depends only on the actually implemented release of the software but not on the underlying software license. The maintenance phases described below apply for SAP Business Suite as well as SAP NetWeaver. For the SAP BusinessObjects portfolio and within product bundles, different maintenance phases may apply.

The following section 1.1 distinguishes 3 maintenance phases: Mainstream Maintenance, Extended Maintenance and Customer-specific Maintenance. They apply for SAP Business Suite as well as SAP NetWeaver. For the SAP BusinessObjects portfolio, different maintenance phases may apply. For the purposes of this section 1.1, "SAP Support" is referring to SAP Enterprise Support, SAP Product Support for Large Enterprises and SAP Standard Support, subject to the contractual agreement.

Access to SAP Support Advisory Center and Remote Services, e.g. Continuous Quality Checks , Knowledge Transfer Sessions and Guided Self Services (each as applicable under the respective service description) will only be provided subject to Licensee's establishment of a mission critical deployment by certification of its Customer COE.

SAP Solution Manager Enterprise Edition is available to all SAP Support customers to the extent stated in the applicable service description, but currently does currently interface only with selected SAP Business Objects portfolio products. Customers of SAP Support will be required to install Solution Manager and utilize its capabilities (at a minimum, remote support component in the case of licensees using only SAP BusinessObjects portfolio products) in the event at least one licensed SAP BusinessObjects portfolio product is supported by SAP Solution Manager Enterprise Edition.

Licensee must choose one of the SAP Support models (SAP Enterprise Support, SAP PSLE or SAP Standard Support) for its entire SAP landscape. Mixed SAP landscapes, i. e. SAP landscapes that are supported under different SAP Support models, are not permitted. Until the execution of a holistic agreement for one of the SAP Support models for Licensee's entire SAP landscape in case of a mixed SAP landscape, only SAP Enterprise Support can be agreed on for additional licenses.

The prices for the respective Support model, applicable at the time of a contract conclusion, are provided in the document „SAP Price list (SAP Business Suite, SAP NetWeaver, SAP BusinessObjects)“ referenced to herein.

1.1. Maintenance Phases

Mainstream Maintenance

Mainstream Maintenance is the first maintenance phase for a release, starting with SAP's release to customer date. During Mainstream Maintenance, Licensee receives the full scope of SAP Support features as defined in the respective sections. Mainstream Maintenance is covered by the SAP Support Agreement.

Extended Maintenance

After the end of the Mainstream Maintenance period, SAP offers Extended Maintenance for selected releases of SAP software. During the Extended Maintenance phase, the scope of SAP Support conforms usually to the scope during Mainstream Maintenance. For some releases some restrictions may apply, that is, the scope of SAP Support may be reduced or different.

The duration and the scope of Extended Maintenance are specified individually for each release. For detailed information on the availability, scope and restrictions of Extended Maintenance please check <https://support.sap.com/release-upgrade-maintenance/maintenance-strategy/phases/extended.html>.

Extended Maintenance is an optional offering and requires a separate, additional contract on top of the SAP Support Agreement, if not expressly stated otherwise in this document. Pricing for Extended Maintenance is available upon request.

Customerspecific Maintenance

When the Mainstream Maintenance period ends and no Extended Maintenance is offered, or when the Mainstream Maintenance period ends and the Licensee does not take advantage of an existing Extended Maintenance offering, or when the Extended Maintenance period ends, or when the Licensee's Extended Maintenance contract expires, a release enters into Customerspecific Maintenance. During this phase, the Licensee receives support services as in the Mainstream Maintenance phase with some restrictions, that is, the scope of SAP Support is reduced. For detailed information please refer to <https://support.sap.com/release-upgrade-maintenance/maintenance-strategy/phases/customer-specific.html>. Customerspecific Maintenance is covered by the SAP Support Agreement.

For more information, please refer to <https://support.sap.com/releasestrategy>

1.2. SAP Enterprise Support

1.2.1 Definitions

The following definitions only apply to the Section 1.2.

“Calendar Quarter” means the three-months'-period, ending on March 31, June 30, September 30, or December 31 respectively of any given calendar year.

“Enterprise Support Solutions” shall mean all software for which SAP provides SAP Enterprise Support, excluding software to which special support agreements apply exclusively.

“Go-Live” marks the point in time from when, after implementation of the Enterprise Support Solutions or an upgrade of the Enterprise Support Solutions, the Enterprise Support Solutions can be used by Licensee for processing real data in live operation mode and for running Licensee's internal business processes as contractually agreed.

“Licensee Solutions” shall mean Enterprise Support Solutions and any other software licensed by Licensee from third parties provided such Third Party Software is operated in conjunction with Enterprise Support Solutions.

“Production System” shall mean a live SAP system used for running Licensee's internal business processes and where Licensee's data is recorded.

“SAP Software Solution(s)” shall mean a group of one or multiple Production Systems running Licensee Solutions and focusing on a specific functional aspect of Licensee's internal business processes. Details and examples can be found on the SAP Support Website (as specified in SAP Note 1324027 or any future SAP Note that replaces SAP Note 1324027).

“Service Session” shall mean a sequence of support activities and tasks carried out remotely to collect further information by interview or by analysis of a Production System resulting in a list of recommendations. A Service Session could run manually, as a self-service or fully automated.

“Top Issues” shall mean software issues and/or failures identified and prioritized jointly by SAP and Licensee in accordance with SAP standards which (i) endanger Go-Live of a pre-production system or (ii) have a significant business impact on a Production System.

“Local Office Time” shall mean regular working hours (8.00 a.m. to 6.00 p.m. CEST) during regular working days, in accordance with the applicable public holidays observed by SAP’s registered office and December 24 and 31. With regard to SAP Enterprise Support only, both parties can mutually agree upon a different registered office of one of SAP’s affiliates to apply and serve as reference for the Local Office Time.

1.2.2 Scope of SAP Enterprise Support

SAP Enterprise Support currently includes:

Continuous Improvement and Innovation

- New software releases of the licensed Enterprise Support Solutions, as well as tools and procedures for upgrades.
- Support packages - correction packages to reduce the effort of implementing single corrections. Support packages may also contain corrections to adapt existing functionality to changed legal and regulatory requirements.
- For releases of the SAP Business Suite 7 core applications (starting with SAP ERP 6.0 and with releases of SAP CRM 7.0, SAP SCM 7.0, SAP SRM 7.0 and SAP PLM 7.0 shipped in 2008), SAP may provide enhanced functionality and/or innovation through enhancement packages or by other means as available. During mainstream maintenance for an SAP core application release, SAP's current practice is to provide one enhancement package or other update per calendar year.
- Technology updates to support third party operating systems and databases. Details on SAP's release strategy and recommendations for technology updates for SAP's enhancement packages can be found on the SAP Support Website..
- Available ABAP source code for SAP software applications and additionally released and supported function modules.
- Software change management, such as changed configuration settings or Enterprise Support Solutions upgrades, is supported, currently through content and information material, tools for client copy and entity copy, and tools for comparing customization.
- SAP provides Licensee with up to five days remote support services per calendar year from SAP solution architects
 - to assist Licensee in evaluating the innovation capabilities of the latest SAP enhancement package and how it may be deployed for Licensee's business process requirements.
 - to give Licensee guidance in form of knowledge transfer sessions, weighted one day, for defined SAP software/applications or Global Support Backbone components; currently content and session schedules are stated at <http://service.sap.com/enterprisesupport>. Scheduling, availability and delivery methodology is at SAP's discretion.
- SAP gives Licensee access to guided self-services as part of SAP Solution Manager Enterprise Edition, helping the Licensee to optimize technical solution management of selected Enterprise Support Solutions.
- Configuration guidelines and content for Enterprise Support Solutions is usually shipped via SAP Solution Manager Enterprise Edition.
- Best practices for SAP System Administration and SAP Solution Operations for Enterprise Support Solutions.
- SAP configuration and operation content is supported as part of Enterprise Support Solutions.
- Content, tools and process descriptions for SAP Application Lifecycle Management are part of the SAP Solution Manager Enterprise Edition, the Enterprise Support Solutions and/or the applicable Documentation for the Enterprise Support Solutions

Advanced Support for Enhancement Packages and other SAP Software Updates

- SAP offers special remote checks delivered by SAP solution experts to analyze planned or existing modifications and identify possible conflicts between Licensee custom code and enhancement packages and other Enterprise Support Solutions updates. Each check is conducted for one specific modification in one of Licensee's core business process steps. Licensee is entitled to receive two out of the following services per calendar year per SAP Software Solution.
 - Modification Justification: Based on Licensee's provision of SAP required documentation of the scope and design of a planned or existing custom modification in SAP Solution Manager Enterprise Edition, SAP identifies standard functionality of Enterprise Support Solutions which may fulfill the Licensee's requirements (for details see <http://www.service.sap.com/>).
 - Custom Code Maintainability: Based on Licensee's provision of SAP required documentation of the scope and design of a planned or existing custom modification in SAP Solution Manager Enterprise Edition, SAP identifies which user exits and services may be available to separate custom code from SAP code.(

Global Support Backbone

- SAP Support Website – the website with SAP's knowledge database and SAP's extranet for knowledge transfer on which SAP makes available content and services to Licensees and partners of SAP only.
- SAP Notes on the SAP Support Website document software malfunctions and contain information on how to remedy, avoid and bypass errors. SAP Notes may contain coding corrections that Licensees can implement into their SAP system. SAP Notes also document related issues, Licensee questions, and recommended solutions (e.g. customizing settings).
- SAP Note Assistant - a tool to install specific corrections and improvements to SAP components.
- SAP Solution Manager Enterprise Edition – as described in Section 1.2.6.

Mission Critical Support

- Global message handling by SAP for problems related to Enterprise Support Solutions, including Service Level Agreements for Initial Reaction Time and Corrective Action (for more information refer to Section 1.2.3).
- SAP Support Advisory Center – as described in Section 1.2.4
- Continuous Quality Checks – as described in Section 1.2.5
- Global 24x7 root cause analysis and escalation procedures in accordance with section 1.2.3 below.
- Root Cause Analysis for Custom Code: For Licensee custom code built with the SAP development workbench, SAP provides mission-critical support root-cause analysis, according to the Global Message Handling Process and Service Level Agreement stated in Section 1.2.3 applicable for priority "very high" and priority "high" messages. If the Licensee custom code is documented according to SAP's then-current standards (for details see <http://www.service.sap.com>) SAP may provide guidance to assist Licensee in issue resolution

Other Components, Methodologies, Content and Community Participation

- Monitoring components and agents for systems to help monitor available resources and collect system status information of the Enterprise Support Solutions (e.g. Early Watch Alert)
- Preconfigured test templates and test cases are usually delivered via the SAP Solution Manager Enterprise Edition. In addition the SAP Solution Manager Enterprise Edition assists Licensee's testing activities with functionalities that currently include:
 - Test administration for Enterprise Support Solutions by using the functionality provided as part of the SAP Solution Manager
 - Quality Management for management of "Quality-Gates"
 - SAP-provided tools for automated testing
 - SAP-provided tools to assist with optimizing regression test scope. Such tools support identifying the business processes that are affected by a planned SAP Software Solutions change and make recommendations for the test scope as well as generating test plans (for details see www.service.sap.com).
- Content and supplementary tools designed to help increase efficiency, which may include implementation methodologies and standard procedures, an Implementation Guide (IMG), and Business Configuration (BC) Sets.
- Access to guidelines via the SAP Support Website, which may include implementation and operations processes and content designed to help reduce costs and risks. Such content currently includes:
 - End-to-End Solution Operations: Assists Licensee with the optimization of the end-to-end operations of Licensee's SAP Software Solution.
 - Run SAP Methodology: Assists Licensee with application management, business process operations, and administration of the SAP NetWeaver® technology platform, and currently includes:
 - The SAP standards for solution operations
 - The road map of Run SAP to implement end-to-end solution operations
 - Tools, including the SAP Solution Manager Enterprise Edition application management solution. For more information on the Run SAP methodology, see <http://www.service.sap.com/runsap>
- Participation in SAP's customer and partner community (via SAP Support Website), which provides information about best business practices, service offerings, etc.

1.2.3 Global Message Handling and Service Level Agreements (SLA)

When Licensee reports malfunctions, SAP supports Licensee by providing information on how to remedy, avoid and bypass errors. The main channel for such support will be the support infrastructure provided by SAP. Licensee may send an error message at any time. All

persons involved in the message solving process can access the status of the message at any time. For further details on definition of message priorities see SAP Note 67739.

In exceptional cases, Licensee may also contact SAP by telephone. SAP's support requires that License provide remote access as specified in Section 1.2.7.

The following Service Level Agreements ("SLA" or "SLAs") shall apply to all Licensee support messages that SAP accepts as being Priority 1 or 2 and which fulfill the prerequisites specified herein. Such SLAs shall commence in the first full Calendar Quarter following the Effective Date of the Enterprise Support contract.

1.2.3.1 SLA for Initial Response Times

a) Priority 1 Support Messages (“Very High”)

SAP shall respond to Priority 1 support messages within one (1) hour of SAP’s receipt (twenty-four hours a day, seven days a week) of such Priority 1 support messages. A message is assigned Priority 1 if the problem has very serious consequences for normal business transactions and urgent, business critical work cannot be performed. This is generally caused by the following circumstances: complete system outage, malfunctions of central SAP functions in the Production System, or Top Issues.

b) Priority 2 Support Messages (“High”)

SAP shall respond to Priority 2 support messages within four (4) hours of SAP’s receipt during SAP’s Local Office Time of such Priority 2 support messages. A message is assigned Priority 2 if normal business transactions in a Production System are seriously affected and necessary tasks cannot be performed. This is caused by incorrect or inoperable functions in the SAP system that are required to perform such transactions or tasks.

1.2.3.2 SLA for Corrective Action Response Time for Priority 1 Support Messages

SAP shall provide a solution, work around or action plan for resolution (“Corrective Action”) of Licensee’s Priority 1 support message within four (4) hours of SAP’s receipt (twenty-four hours a day, seven days a week) of such Priority 1 support message (“SLA for Corrective Action”). In the event an action plan is submitted to Licensee as a Corrective Action, such action plan shall include: (i) status of the resolution process; (ii) planned next steps, including identifying responsible SAP resources; (iii) required Licensee actions to support the resolution process; (iv) to the extent possible, planned dates for SAP’s actions; and (v) date and time for next status update from SAP. Subsequent status updates shall include a summary of the actions undertaken so far; planned next steps; and date and time for next status update.

The SLA for Corrective Action only refers to that part of the processing time when the message is being processed at SAP (“Processing Time”). Processing Time does not include the time when the message is on status “Customer Action” or “SAP Proposed Solution”, whereas (a) the status Customer Action means the support message was handed over to Licensee; and (b) the status SAP Proposed Solution means SAP has provided a Corrective Action as outlined herein. The SLA for Corrective Action shall be deemed met if within four (4) hours of processing time: SAP proposes a solution, a workaround or an action plan; or if SAP reduces the priority level of the message after consulting with Licensee.

1.2.3.3 Prerequisites and Exclusions

a) Prerequisites

The SLAs shall only apply when the following prerequisites are met for support messages:

- In all cases except for Root Cause Analysis for Custom Code under Section 1.2, support messages are related to releases of Enterprise Support Solutions which are classified by SAP with the shipment status “unrestricted shipment”;
- support messages are submitted by Licensee in English via the SAP Solution Manager Enterprise Edition in accordance with SAP’s then current support message processing log-in procedure which contain the relevant details necessary (as specified in SAP Note 16018 or any future SAP Note which replaces SAP Note 16018) for SAP to take action on the reported error;
- support messages are related to a product release of Enterprise Support Solutions which falls into Mainstream Maintenance or Extended Maintenance.

For Priority 1 support messages, especially without being limited to the following additional prerequisites must be fulfilled by Licensee:

- The issue and its business impact are described in detail sufficient to allow SAP to assess the issue;
- Licensee makes available for communications with SAP, twenty four (24) hours a day, seven (7) days a week, an English speaking contact person with training and knowledge sufficient to aid in the resolution of the Priority 1 message consistent with Licensee’s obligations hereunder; and
- A Licensee contact person is provided for opening a remote connection to the system and to provide necessary log-on data to SAP.

b) Exclusions

For SAP Enterprise Support in particular the following types of Priority 1 messages are excluded from the SLAs:

- Support messages regarding a release, version and/or functionalities of Enterprise Support Solutions developed specifically for Licensee (including without limitation those developed by SAP Custom Development and/or by SAP subsidiaries) except for custom code built with the SAP development workbench;
- Support messages regarding country versions that are not part of the Enterprise Support Solutions and instead are realized as partner Add-ons, enhancements, or modifications is expressly excluded even if these country versions were created by SAP or an affiliate of SAP
- Support messages where the root cause is not a malfunction, but missing functionality (“development request”) or the support message is ascribed to a consulting request.

1.2.3.4 Service Level Credit

a) SAP shall be deemed to have met its obligations pursuant to the SLAs as stated above by reacting within the allowed time frames in ninety-five percent (95%) of the aggregate cases for all SLAs within a Calendar Quarter. In the event Licensee submits less than twenty (20) messages (in the aggregate for all SLAs) pursuant to the SLAs stated above in any Calendar Quarter during the Enterprise Support term, Licensee agrees that SAP shall be deemed to have met its obligations pursuant to the SLAs stated above if SAP has not exceeded the stated SLA time-frame in more than one support message during the applicable Calendar Quarter.

b) Subject to section a. above, in the event that the timeframes for the SLA's are not met (each a “Failure”), the following rules and procedures shall apply:

- Licensee shall inform SAP in writing of any alleged Failure;
- SAP shall investigate any such claims and provide a written report in which SAP states whether Licensee's claim is justified;
- Licensee shall provide reasonable assistance to SAP in its efforts to correct any problems or processes inhibiting SAP's ability to reach the SLAs;
- Except as otherwise provided in this section 1.2.3.4, if such a report shows SAP has committed a culpable noncompliance, Licensee is entitled to liquidated damages corresponding to 0.25% of the agreed fee for SAP Enterprise Support for the Calendar Quarter in which the noncompliance occurred. Such liquidated damages are limited in total to 5% of the SAP Enterprise Support fee for the affected Calendar Quarter. These liquidated damages can only be applied as a Service Level Credit (“SLC”) to be set off against the next SAP Enterprise Support Services annual maintenance fee. They will not be paid out.
- The parties agree that this limitation reflects to the actual quantum of loss they would normally expect to arise out of a noncompliance. All other claims arising out of a noncompliance, including but not limited to claims for damages, are excluded except in respect of liability for gross negligence, intent, personal injury, and liability under the German Product Liability Act.
- The Licensee must notify SAP of any claims within one month after the end of the Calendar Quarter in which the noncompliance occurred by giving written reasoned notice of the claim.

1.2.4 SAP Support Advisory Center

For Priority 1 issues and Top Issues directly related to the Enterprise Support Solutions, SAP shall make available a global unit within SAP's support organization for mission critical support related requests (the “Support Advisory Center”). The Support Advisory Center will perform the following mission critical support tasks:

- Remote support for Top Issues – the Support Advisory Center will act as an additional escalation level, enabling 24X7 root cause analysis for problem identification;
- Continuous Quality Check service delivery planning in collaboration with Licensee's IT, including scheduling and delivery coordination;
- Provide one SAP Enterprise Support report on request per calendar year;
- Remote primary certification of the SAP Customer Center of Expertise if requested by Licensee; and
- Provide guidance in cases in which Continuous Quality Checks (as defined in Section 1.2.5 below), an action plan and/or written recommendations of SAP show a critical status (e.g. a red CQC report) of the Enterprise Support Solution.

As preparation for the Continuous Quality Check delivery through SAP Solution Manager Enterprise Edition, Licensee's Contact Person and SAP shall jointly perform one mandatory setup service (“Initial Assessment”) for the Enterprise Support Solutions. The Initial Assessment shall be based upon SAP standards and documentation.

The designated SAP Support Advisory Center will be English speaking and available to Licensee's Contact Person (as defined below) or its authorized representative twenty-four hours a day, seven days a week for mission critical support related requests. The available local or global dial-in numbers are shown in SAP Note 560499. The Support Advisory Center is only responsible for the above

mentioned mission critical support related tasks to the extent these tasks are directly related to issues or escalations regarding the Enterprise Support Solutions.

1.2.5 SAP Continuous Quality Check

In case of critical situations related to the SAP Software Solution (such as Go Live, upgrade, migration or Top Issues), SAP will provide at least one Continuous Quality Check (the "Continuous Quality Check" or "CQC") per calendar year for each SAP Software Solution. The CQC may consist of one or more manual or automatic remote Service Sessions. SAP may deliver further CQC's in cases where vital alerts reported by SAP EarlyWatch Alert or in those cases where Licensee and the SAP Advisory Center mutually agree that such a service is needed to handle a Top-Issue. Details, such as the exact type and priorities of a CQC and the tasks of SAP and cooperation duties of Licensee, shall be mutually agreed upon between the parties. At the end of a CQC, SAP will provide Licensee with an action plan and/or written recommendations.

SAP expressly states that all or part of the CQC sessions may be delivered by SAP and/or a certified SAP partner acting as SAP's subcontractor and based on SAP's CQC standards and methodologies. Licensee agrees to provide appropriate resources, including but not limited to equipment, data, information, and appropriate and cooperative personnel, to facilitate the delivery of CQC's hereunder.

SAP finally states that SAP limits CQC re-scheduling to a maximum of three times per year. Re-scheduling must take place in any case at least 5 working days before the planned delivery date. If Licensee fails to follow these guidelines, SAP is not obliged to deliver the yearly CQC to the Licensee.

1.2.6 SAP Solution Manager Enterprise Edition under SAP Enterprise Support

1.2.6.1 SAP Solution Manager Enterprise Edition (and its successors as provided by the respective Support contracts) shall be subject to the agreement on the provision and licensed use of the software and is provided for the following purposes only under SAP Enterprise Support: (i) delivery of SAP Enterprise Support and support services for Licensee Solutions including delivery and installation of software and technology maintenance for Enterprise Support Solutions and (ii) application lifecycle management for Licensee Solutions and for any other software components and IT assets licensed or otherwise obtained by Licensee from third parties provided such Third Party Software, software components, and IT assets are operated in conjunction with Enterprise Support Solutions and are required to complete the Licensee's business processes as documented in the solution documentation in SAP Solution Manager Enterprise Edition ("Additional Supported Assets"). Such application lifecycle management is limited solely to the following purposes:

- Implementation, configuration, testing, operations, continuous improvement and diagnostics;
 - Incident management (service desk), problem management and change request management as enabled using SAP CRM technology integrated in SAP Solution Manager Enterprise Edition.
 - Administration, monitoring, reporting and business intelligence as enabled using SAP NetWeaver technology integrated in SAP Solution Manager Enterprise Edition. Business intelligence may also be performed provided the appropriate SAP BI software is licensed by Licensee as part of the Enterprise Support Solutions.
- For application lifecycle management as outlined under section (ii) above, Licensee does not require a separate Package license to SAP CRM. Licensee must hold appropriate Named User licenses to Use SAP Solution Manager Enterprise Edition.

1.2.6.2 SAP Solution Manager Enterprise Edition may not be used for purposes other than those stated above. Without limiting the foregoing restriction, Licensee shall not use SAP Solution Manager Enterprise Edition for (i) CRM scenarios such as service plans, contract, service confirmation management, except as CRM scenarios are expressly stated in Section 1.2.6.1; (ii) SAP NetWeaver usage types other than those stated above or (iii) application life-cycle management and in particular incident management (service desk) except for Licensee Solutions and Additional Supported Assets and (iv) non-IT shared services capabilities, including without limitation HR, Finance or Procurement.

1.2.6.3 SAP – in its sole discretion – may update from time to time on the SAP Support Website under <https://support.sap.com/solutionmanager> the use cases for SAP Solution Manager Enterprise Edition under this section 1.2.6.

1.2.6.4 SAP Solution Manager Enterprise Edition shall only be used during the term of the Enterprise Support Agreement and by Named Users licensed by Licensee subject to the licensed rights for the Software and exclusively for Licensee's SAP-related support purposes in support of Licensee's internal business operations. The right to use any SAP Solution Manager Enterprise Edition capabilities under SAP Enterprise Support other than those listed above is subject a separate written agreement with SAP, even if such capabilities are accessible through or related to SAP Solution Manager Enterprise Edition. Notwithstanding the foregoing limitation on Named Users, Licensee shall be entitled to allow any of its employees to use Web self service in the SAP Solution Manager Enterprise Edition during the term of the SAP Enterprise Support Agreement for the sole purpose of creating support tickets, requesting support ticket status and ticket confirmation directly related to the Licensee Solutions and Additional Supported Assets.

1.2.6.5 In the event Licensee terminates SAP Enterprise Support and receives SAP Standard Support in accordance with section 1.2.10, Licensee's use of SAP Solution Manager Enterprise Edition under SAP Enterprise Support shall cease. Thereafter, Licensee's use of SAP Solution Manager Enterprise Edition shall be governed by the terms and conditions of the SAP Standard Support Agreement.

1.2.6.6 Use of SAP Solution Manager Enterprise Edition may not be offered by Licensee as a service to third parties even if such third parties have licensed SAP software and have licensed Named Users; provided, third parties authorized to access the SAP software under the software license agreement may have access to SAP Solution Manager Enterprise Edition solely for SAP-related support purposes in support of Licensee's internal business operations under and in accordance with the terms of the Enterprise Support Agreement.

1.2.7 Licensee's Responsibilities

SAP Enterprise Support Program Management

In order to receive SAP Enterprise Support hereunder, Licensee shall designate a qualified English speaking contact within its SAP Customer Center of Expertise for the Support Advisory Center (the "Contact Person") and shall provide contact details (in particular e-mail address and telephone number) by means of which the Contact Person or the authorized representative of such Contact Person can be contacted at any time. Licensee's Contact Person shall be Licensee's authorized representative empowered to make necessary decisions for Licensee or bring about such decision without undue delay.

Other Requirements

In order to receive SAP Enterprise Support hereunder, Licensee must especially without being limited to:

- Hold all necessary licenses for the Licensee Solution
- Continue to pay all Enterprise Support Service Fees as contractually agreed.
- Otherwise fulfill its obligations under the contracts for the provision and licensed use of Software and the Enterprise Support agreement.
- Provide and maintain remote access via a technical standard procedure as defined by SAP and grant SAP all necessary authorizations, in particular for remote analysis as part of message handling. Licensee shall grant such remote access without restriction regarding the nationality of the SAP employee(s) who process support messages or the country in which they are located. SAP points out that failure to grant access may lead to delays in message handling and the provision of corrections, or may render SAP unable to provide help in an efficient manner. The necessary software components must also be installed for support services. For more details, see SAP Note 91488.
- Establish and maintain an SAP certified Customer COE meeting the requirements specified in Section 1.2.8 below.
- Have installed, configured and be using productively, an SAP Solution Manager Enterprise Edition Software system, with the latest patch levels for Basis, and the latest SAP Solution Manager Enterprise Edition support packages.
- Activate SAP EarlyWatch Alert for the Production Systems and transmit data to Licensee's productive SAP Solution Manager Enterprise Edition system. See SAP Note 1257308 for information on setting up this service.
- Perform the Initial Assessment as described in Section 1.2.4 and implement all the recommendations of SAP classified as mandatory.
- Establish a connection between Licensee's SAP Solution Manager Enterprise Edition installation and SAP and a connection between the Enterprise Support Solutions and Licensee's SAP Solution Manager Enterprise Edition installation. Licensee shall maintain the solution landscape and core business processes in Licensee's SAP Solution Manager Enterprise Edition system for all Production Systems and systems connected to the Production Systems. Licensee shall document any implementation or upgrade projects in Licensee's SAP Solution Manager Enterprise Edition system.
- To fully enable and activate the SAP Solution Manager Enterprise Edition, Licensee shall adhere to the applicable documentation.
- Licensee agrees to maintain adequate and current records of all modifications and, upon request, promptly provide such records to SAP.
- Licensee shall submit all error messages via the then current SAP Support infrastructure as made available by SAP from time to time via updates, upgrades or Add-ons.
- Inform SAP without undue delay of any changes to Licensee's installations and Named Users and all other information relevant to the Enterprise Support Solutions.

1.2.8 Customer Center of Expertise

1.2.8.1 Role of the Customer Center of Expertise

In order to leverage the full potential value delivered as part of SAP Enterprise Support, Licensee is required to establish a Customer Center of Expertise ("Customer Center of Expertise", or "Customer COE"). The Customer COE is designated by Licensee as a central point of contact for interaction with the SAP Support organization.

As a permanent center of expertise, the Customer COE supports Licensee's efficient implementation, innovation, operation and quality of business processes and systems related to the SAP Software Solution based on the Run SAP methodology provided by SAP (for more information on the Run SAP methodology, refer to www.service.sap.com/runsap). The Customer COE should cover all core business process operations. SAP recommends starting the implementation of the Customer COE as a project that runs in parallel with the functional and technical implementation projects.

1.2.8.2 Basic Functions of the Customer COE

The Customer COE must fulfill the following basic functions:

- Support Desk: Set-up and operation of a support desk with a sufficient number of support consultants for infrastructure/application platforms and the related applications during regular local working hours (at least 8 hours a day, 5 days (Monday through Friday) a week). Licensee support process and skills will be jointly reviewed in the framework of the service planning process and the certification audit.
- Contract administration: Contract and license processing in conjunction with SAP (license audit, maintenance billing, release order processing, user master and installation data management).
- Coordination of innovation requests: Collection and coordination of development requests from the Licensee and/or any of its affiliates provided such affiliates are entitled to use the Enterprise Support Solutions as contractually agreed. In this role the Customer COE shall also be empowered to function as an interface to SAP to take all action and decisions needed to avoid unnecessary modification of Enterprise Support Solutions and to ensure that planned modifications are in alignment with the SAP software and release strategy. In addition, the Customer COE shall coordinate the Licensee's modification notifications.
- Information management: Distribution of information (e.g. internal demonstrations, information events and marketing) about Enterprise Support Solutions and the Customer COE within the Licensee's group of affiliated companies.
- CQC planning and other remote services planning: Licensee regularly engages in a service planning process with SAP. The service planning starts during the initial implementation and will then be continued regularly.

1.2.8.3 Customer COE Certification

Licensee must establish a certified Customer COE upon the later to occur of the following: (i) within twelve (12) months after the Effective Date; or (ii) within six (6) months after Licensee has started using at least one of the Enterprise Support Solutions in live mode for normal business operations. To obtain the then-current primary Customer COE certification or re-certification by SAP, the Customer COE undergoes an audit procedure. Detailed information on the initial certification and re-certification process and conditions, as well as information on the available certification levels, is available on the SAP Support Website (<https://support.sap.com/ccoe>).

1.2.9 Verification

To check the compliance with the terms the contractual agreements, SAP shall be entitled to periodically monitor (at least once annually and in accordance with SAP standard procedures especially without being limited to) (i) the correctness of the information Licensee provided and (ii) Licensee's usage of the Solution Manager Enterprise Edition in accordance with the contractual regulations.

1.2.10 Selection of SAP Standard Support

Notwithstanding Licensee's right of termination as set out in the SAP Enterprise Support Agreement and provided Licensee is not in default of any obligations under the SAP Enterprise Support Agreement or its agreement for the provision and licensed use of the software, Licensee may select SAP Standard Support as follows:

- (i) With respect to all agreements for support that are solely on a calendar year renewal basis, effective on the start of a new calendar year, subject to the Minimum Term of Licensee's first agreement for SAP Enterprise Support; or
- (ii) With respect to all agreements for support that are not solely on a calendar year renewal basis, effective on the start of the first renewal period in any calendar year that follows the Minimum Term of Licensee's first agreement for SAP Enterprise Support.

Licensee shall make such selection by giving to SAP three (3) months' written notice thereof. The notice is deemed to be given at the time it is received by SAP. All existing SAP Enterprise Support Agreements shall be terminated and replaced effective with the commencement of the SAP Standard Support agreement. Any such selection shall apply to all Enterprise Support Solutions and SAP and Licensee shall execute an SAP Standard Support Agreement on SAP's then-current terms and conditions for SAP Standard Support, including without limitation pricing.

For the avoidance of any doubt, selection to enroll in another type of SAP Support Services by Licensee pursuant to Support Services provisions stated herein shall strictly apply to all of Licensee's SAP software.

So far as SAP offers maintenance service for it, all of Licensee's SAP software must be covered by the maintenance service. Licensee must always have all of its installations of the Software fully maintained or terminate the maintenance service completely. Partial termination of SAP Enterprise Support or partial selection of any one type of SAP Support Services by Licensee is strictly prohibited.

1.2.11 Special Notice

- Failure to utilize SAP Enterprise Support provided by SAP may prevent SAP from being able to identify and assist in the correction of potential problems which, in turn, could result in unsatisfactory software performance for which SAP cannot be held responsible.
- SAP's provision of SAP Support for Third Party Software can require the use of support services provided by the vendor in question. If the vendor does not provide the support services required by SAP, SAP has the right to give reasonable notice of at least three months effective at the end of a calendar quarter of extraordinary and partial termination on the contractual relationship for maintenance for the Third Party Software concerned. Licensee may be required to upgrade to more recent versions of its operating systems and databases to receive SAP Enterprise Support. If the respective vendor offers an extension of support for its product, SAP may offer such extension of support under a separate written agreement for an additional fee.
- In the event that Licensee is entitled to receive one or more services per calendar year, (i) Licensee shall not be entitled to receive such services in the first calendar year if the Effective Date the Enterprise Support agreement is after September 30 and (ii) Licensee shall not be entitled to transfer a service to the next year if Licensee has not utilized such service.
- SAP Enterprise Support is provided according to the current maintenance phases of SAP software releases as stated in <https://support.sap.com/releasestrategy>.

1.3. SAP Product Support for Large Enterprises

1.3.1 Definitions

The following definitions only apply to this section 1.3:

“PSLE Solutions” shall mean all software for which SAP provides SAP PSLE excluding software to which special support agreements apply exclusively.

“Go-Live” marks the point in time from when, after implementation of Licensee’s PSLE Solutions or an upgrade of PSLE Solutions, can be used by Licensee for processing real data in live operation mode and for running Licensee’s internal business processes in accordance with the software license agreement.

“Maintenance Base” shall mean the contract price for PSLE Solutions pursuant to section A.2, including all Rabat.

“Licensee Solution” shall mean PSLE Solutions and any other software licensed by Licensee from third parties, provided such Third Party Software is operated in conjunction with PSLE Solutions.

“Production System” shall mean a live SAP system used for running internal business processes and where Licensee’s data is recorded.

“SAP Software Solution(s)” shall mean a group of one or multiple Production Systems running Licensee Solutions and focusing on a specific functional aspect of Licensee’s internal business processes. Details and examples can be found on the SAP Support Website (as specified in SAP Note 1324027 or any future SAP Note that replaces SAP Note 1324027).

“SAP Support Services” shall mean SAP Product Support for Large Enterprises (PSLE), SAP Enterprise Support, or SAP Standard Support.

“Top Issues” shall mean software issues and/or failures identified and prioritized jointly by SAP and Licensee in accordance with the SAP standards which (i) endanger the go-live of a pre-production system or (ii) have a significant business impact on a Licensee’s core Production System.

1.3.2 Scope of SAP Product Support for Large Enterprises

SAP Product Support for Large Enterprises currently includes:

Continuous Improvement and Innovation

- New software releases of the licensed PSLE Solutions, as well as tools and procedures for upgrades.
- Support packages– correction packages to reduce the effort of implementing single corrections. Support packages may also contain corrections to adapt existing functionality to changed legal and regulatory requirements.
- For releases of the SAP Business Suite 7 core applications (starting with SAP ERP 6.0 and with releases of SAP CRM 7.0, SAP SCM 7.0, SAP SRM 7.0 and SAP PLM 7.0 shipped in 2008), SAP provides enhanced functionality and/or innovation through enhancement packages or by other means as available. During mainstream maintenance for an SAP core application release, SAP may, according to current procedure, provide one enhancement package or other update per calendar year.
- Technology updates to support third party operating systems and databases. Available ABAP source code for SAP software applications and additionally released and supported function modules.
- Software change management, such as changed configuration settings or PSLE Solution upgrades, is supported for example through content and information material, tools for client copy and entity copy, and tools for comparing customization.
- SAP grants Licensee access to Guided Self-Services as part of SAP Solution Manager Enterprise Edition to support the technical solution management of particular PSLE Solutions.
- Configuration guidelines and content for PSLE Solutions are usually shipped via SAP Solution Manager Enterprise Edition,
- Best Practices for SAP System Administration and SAP Solution Operations for SAP Software
- SAP Configuration and Operation Content is supported as part of the PSLE Solutions.
- Content, tools and process descriptions for SAP Application Lifecycle Management are part of the SAP Solution Manager Enterprise Edition, the PSLE Solutions and/or the applicable documentation for the PSLE Solutions.

Message Handling

- SAP Notes on the SAP Support Website document software malfunctions and contain information on how to remedy, avoid and bypass errors. SAP Notes may contain coding corrections that Licensees can implement into their SAP system. SAP Notes also document related issues, customer questions and recommended solutions (e.g. customizing settings).
- SAP Note Assistant - a tool to install specific corrections and improvements to SAP components.
- Global message handling by SAP for problems related to PSLE Solutions (for more information, see section 1.3.3).

- Global 24x7 escalation procedures.

Access to Services Content

- SAP shall provide Licensee with access to SAP's remote services methodology. Licensee may use this content to perform proactive support services for the PSLE Solutions.

SAP Product Support for Large Enterprises Roadmap Planning

- Up to two times per calendar year, Licensee and SAP will perform a joint telephone conference to exchange information about Licensee's current or planned global projects to implement or upgrade PSLE Solutions, to review Top-Issues and risk mitigation plans and to discuss quality assurance topics with regard to end-to-end operations of and support for Licensee's SAP Software Solutions, and to generally align on collaboration between Licensee and SAP in the area of support activities and delivery of SAP Product Support for Large Enterprises services for Licensee's SAP Software Solutions.
- Licensee can contact the Local Support Manager of SAP to request a scheduling of such telephone conference.
- If mutually agreed between Licensee and SAP, such planning can also take place in the course of an onsite meeting at a mutually agreed location.
- SAP expressly states that a successful planning requires the support of Licensee's Customer Center of Expertise.

SAP Solution Manager Enterprise Edition

For more information refer to section 1.3.4.

Other Components, Methodologies, Content, and Community Participation

- Monitoring components and agents for systems - to help monitor available resources and collect system status information of the PSLE Solutions (such as SAP EarlyWatch Alert)
- Pre-configured test templates and test cases are usually delivered via the SAP Solution Manager Enterprise Edition. In addition the SAP Solution Manager Enterprise Edition assists Licensee's testing activities with functionalities that currently include:
 - Test administration for PSLE Solutions by using the functionality provided as part of the SAP Solution Manager Enterprise Edition
 - Quality Management for management of "Quality-Gates"
 - SAP-provided tools for automated testing
 - SAP-provided tools to assist with optimizing regression test scope. Such tools support identifying the business processes that are affected by a planned SAP Software Solutions change and make recommendations for the test scope as well as generating test plans (for details see <http://www.service.sap.com>).
- Content and supplementary tools to help increase efficiency, which may include implementation methodologies and standard procedures, an Implementation Guide (IMG), and Business Configuration (BC) Sets.
- Access to guidelines via the SAP Support Website, which may include implementation and operations processes and content designed to help reduce costs and risks. Such content currently includes:
 - End-to-End Solution Operations: Assists Licensee with the optimization of the end-to-end operations of Licensee's SAP Software Solution.
 - Run SAP Methodology: Assists Licensee with application management, business process operations, and administration of the SAP NetWeaver® technology platform, and currently includes:
 - The SAP standards for solution operations
 - The road map of Run SAP to implement end-to-end solution operations
 - Tools, including the SAP Solution Manager Enterprise Edition application management solution
 For more information about the Run SAP methodology, see <http://www.service.sap.com/runsap> .
 - Participation in SAP's customer and partner community (via SAP Support Website), which provides information about best business practices, service offerings, etc.

1.3.3 Global Message Handling

When Licensee reports malfunctions, SAP supports Licensee by providing information on how to remedy, avoid or bypass errors. The main channel for such support will be the support infrastructure provided by SAP. Licensee may send an error message at any time. All persons involved in the message solving process can access the status of a submitted message at any time.

In exceptional cases, Licensee can also contact SAP by telephone. SAP's support requires that Licensee provides remote access as specified in section 1.3.5.

SAP will commence message handling on errors of very high priority (for a definition of priorities, see SAP Note 67739) within 24 hours, 7 days a week provided that the following conditions are met:

- The error must be reported in English and
- Licensee must have a suitably skilled English-speaking employee at hand so that Licensee and SAP can communicate if SAP assigns the problem message to an overseas SAP support center.

If these conditions are not met, SAP may not be able to start or continue the message handling.

1.3.4 SAP Solution Manager Enterprise Edition under PSLE

1.3.4.1 SAP Solution Manager Enterprise Edition (and its successors as provided by the respective Support contracts) shall be subject to the Software Agreement on the provision and licensed use of the Software and is used solely for the following purposes under SAP PSLE:

- (i) Delivery of SAP PSLE and Support Services for Licensee Solutions, including delivery and installation of software and technology maintenance for PSLE Solutions;
- (ii) Application Lifecycle Management for Licensee Solutions and for any other software components and IT assets licensed or otherwise obtained by Licensee from third parties, provided such third party software, software components, and IT assets are operated in conjunction with PSLE Solutions and are required to complete the Licensee's business processes as documented in the solution documentation in SAP Solution Manager Enterprise Edition ("Additional Supported Assets"). Such Application Lifecycle Management is limited solely to the following purposes:
 - Implementation, configuration, testing, operations, continuous improvement, and diagnosis
 - Incident management (Service Desk), problem management, and change request management, provided they are supported through the use of the SAP CRM technology that is integrated in SAP Solution Manager Enterprise Edition
 - Administration, monitoring, reporting and enterprise information services (Business Intelligence), provided they are supported through the use of the SAP NetWeaver technology that is integrated in SAP Solution Manager Enterprise Edition. Business Intelligence can also be carried out, provided Licensee has licensed the corresponding SAP BI Software as part of the PSLE Solutions.

Licensee does not require separate Package licenses for SAP CRM to use the Application Lifecycle Management described in (ii) above. Licensee does require licenses for Named Users to use the SAP Solution Manager Enterprise Edition.

1.3.4.2 SAP Solution Manager Enterprise Edition may not be used for any other purposes than those mentioned herein. Independent of this restriction, the Licensee may not use SAP Solution Manager Enterprise Edition for the following:

- (i) SAP CRM scenarios such as service plans, contracts, service confirmation management, unless these CRM scenarios are explicitly described in section 1.3.4.1.
- (ii) Other SAP NetWeaver usage types than those mentioned above
- (iii) Application Lifecycle Management and in particular, Incident Management (Service Desk), except for the Licensee Solutions and the Additional Supported Assets
- (iv) Non-IT Shared Services functions, including HR, Financial Accounting, or Procurement.

1.3.4.3 SAP may update the use cases for SAP Solution Manager Enterprise Edition exclusively at its own discretion on the SAP Support Website under <https://support.sap.com/solutionmanager>.

1.3.4.4 SAP Solution Manager Enterprise Edition must only be used by those persons for whom the Licensee has licensed as Named Users, is subject to the terms and conditions for the Software, must only be used during the term of the PSLE contract, and must be used exclusively for SAP-support-related activities to support the Licensee's internal business transactions. The right to use any SAP Solution Manager Enterprise Edition capabilities under SAP PSLE other than those above is subject to a separate written agreement with SAP, even if such capabilities are accessible through or related to SAP Solution Manager Enterprise Edition. Regardless of the restrictions on Named Users described above, the Licensee may allow all of its employees to access the Web Self-Service of SAP Solution Manager Enterprise Edition during the term of the SAP PSLE contract, for the following purposes: Creation of support tickets, querying the status of support tickets and confirmation, which have direct reference to Licensee Solutions and Additional Supported Assets.

1.3.4.5 In the event Licensee terminates SAP PSLE and receives SAP Enterprise Support or SAP Standard Support in accordance with section 1.3.9, Licensee's use of SAP Solution Manager Enterprise Edition shall be governed by the terms and conditions of the SAP Enterprise Support Agreement or the SAP Standard Support Agreement as applicable.

1.3.4.6 Use of SAP Solution Manager Enterprise Edition may not be offered by customers as a service to third parties, other than those third parties explicitly mentioned in the contract, even if such third parties

have licensed SAP software and have licensed Named Users. This provision does not apply to third parties who, under the terms of the Licensee's contract for the provision and licensed use of SAP software, are expressly permitted to access the SAP Solution Manager Enterprise Edition solely for the purposes of SAP-related Support in aiding the internal business transactions of the Licensee under the terms of the SAP PSLE contract.

1.3.5 Licensee's Responsibilities

SAP Product Support for Large Enterprises Program Management

In order to receive SAP Product Support for Large Enterprises services, Licensee shall fulfill the following requirements: Licensee shall designate a qualified English speaking contact within its SAP Customer Center of Expertise (the "Contact Person") and shall provide contact details (in particular e-mail address and telephone number) by means of which the Contact Person or the authorized representative of such Contact Person can be contacted at any time. Licensee's Contact Person shall be Licensee's authorized representative empowered to make necessary decisions for Licensee or bring about such decision without undue delay.

1.3.5.1 Other Requirements

In order to receive SAP Product Support for Large Enterprises hereunder, Licensee must:

- Hold all necessary licenses for the Licensee Solution
- Continue to pay all SAP Product Support for Large Enterprise Service Fees as contractually agreed.
- Otherwise fulfill its obligations under the contracts for the provision and licensed use of the Software and the SAP PSLE agreement .
- Provide and maintain remote access via a technical standard procedure as defined by SAP and grant SAP all necessary authorizations, in particular for remote problem analysis as part of message handling. Licensee shall grant such remote access without restriction regarding the nationality of the SAP employee(s) who process support messages or the country in which they are located. Licensee acknowledges that failure to grant access may lead to delays in message handling and the provision of corrections, or may render SAP unable to provide help in an efficient manner. The necessary software components must also be installed for support services. For more details, see SAP Note 91488.
- Establish and maintain an SAP certified Customer COE meeting the requirements specified in Section 1.3.6 below.
- Have installed, configured and be using productively, an SAP Solution Manager Enterprise Edition system, with the latest patch levels for Basis and the latest SAP Solution Manager Enterprise Edition support packages.
- Activate SAP EarlyWatch Alert for the Production Systems and transmit data to Licensee's productive SAP Solution Manager Enterprise Edition system. See SAP Note 1257308 for information on setting up this service.
- Establish a connection between Licensee's SAP Solution Manager Enterprise Edition installation and SAP and a connection between the PSLE Solutions and Licensee's SAP Solution Manager Enterprise Edition installation. Licensee shall maintain the solution landscape and core business processes in Licensee's SAP Solution Manager Enterprise Edition system for all Production Systems and systems connected to the Production Systems. Licensee shall document any implementation or upgrade projects in Licensee's SAP Solution Manager Enterprise Edition system.
- To fully enable and activate the SAP Solution Manager Enterprise Edition, Licensee shall follow all guidelines in the documentation.
- Licensee agrees to maintain adequate and current records of all modifications and, if requested, promptly provide such records to SAP.
- Licensee shall report all malfunctions by means of the current SAP Support infrastructure, which SAP makes available in the form of updates, upgrades, or Add-ons.
- Inform SAP without undue delay of any changes to Licensee's installations and Named Users and all other information relevant to the PSLE Solutions.

1.3.6 Customer Center of Expertise

1.3.6.1 Role of the Customer Center of Expertise

In order to leverage the full potential value delivered as part of SAP Product Support for Large Enterprises, Licensee is required to establish a Customer Center of Expertise ("Customer Center of Expertise", or "Customer COE"). The Customer COE is designated by Licensee as a central point of contact for interaction with the SAP support organization. As a permanent center of expertise, the Customer COE supports Licensee's efficient implementation, innovation, operation and quality of business processes and systems related to the SAP Software Solution based on the Run SAP methodology provided by SAP (for more information on the Run SAP methodology, refer to <http://www.service.sap.com/runsap>). The Customer COE should cover all core business process operations. SAP recommends starting the implementation of the Customer COE as a project that runs in parallel with the functional and technical implementation projects.

1.3.6.2 Basic Functions of the Customer COE

The Customer COE must fulfill the following basic functions:

- Support Desk: Set-up and operation of a support desk with a sufficient number of support consultants for infrastructure/application platforms and the related applications during regular local working hours (at least 8 hours a day, 5 days (Monday through Friday) a week). Licensee support process and skills will be jointly reviewed in the framework of the service planning process and the certification audit.
- Contract administration: Contract and license processing in conjunction with SAP (license audit, maintenance billing, release order processing, user master and installation data management).
- Coordination of innovation requests: Collection and coordination of development requests from Licensee and/or affiliates provided such affiliates are entitled to use the PSLE Solutions as contractually agreed. In this role the Customer COE shall also be empowered to function as an interface to SAP to take all action and decisions needed to avoid unnecessary modification of PSLE Solutions and to ensure that planned modifications are in alignment with the SAP software and release strategy. The Customer COE shall also coordinate Licensee's modification notification.
- Information management: Distribution of information (e.g. internal demonstrations, information events and marketing) about PSLE Solutions and the Customer COE within Licensee's group of affiliated companies.
- Service Planning: Licensee regularly engages in a service planning process with SAP. The service planning starts during the initial implementation and will then be continued regularly.

1.3.6.3 Customer COE Certification

If Licensee has not established a certified Customer COE by the Effective Date of the PSLE contract, Licensee must establish a certified Customer COE at the latest by the time one of the following two events occurs at the latest: (i) within twelve (12) months after the Effective Date of the PSLE contract; or (ii) at the latest six (6) months after Licensee has gone live with at least one of the PSLE solutions in normal business operations. To obtain the valid primary Customer COE certification (Primary Customer COE Certification) or re-certification (Re-Certification) by SAP, the Customer COE undergoes an audit procedure that covers the basic functions (primary certification). Licensee has the option of obtaining an advanced certification of his Customer COE. Detailed information about the process and conditions for Primary Certification and Re-Certification as well as available certification levels are available on SAP Support Website at <https://support.sap.com/ccoe>.

1.3.7 Verification

To check the compliance with the contractually agreed terms, SAP shall be entitled to periodically monitor (at least once annually and in accordance with SAP standard procedures) (i) whether Licensee is eligible to receive SAP Product Support for Large Enterprises; (ii) the correctness of the information provided by Licensee; and (iii) Licensee's usage of the Solution Manager Enterprise Edition in accordance with the contractual regulations. If at any point during the term of the SAP PSLE agreement SAP determines that Licensee has fallen below either the Maintenance Threshold or License Threshold defined in Section 1.3.8, Section 1.3.8 shall apply accordingly.

1.3.8 Revenue Thresholds

a. Licensee shall be eligible to receive SAP Product Support for Large Enterprises from the date at which Licensee informs SAP in writing about the meeting of both of the following criteria:

- (i) the aggregate of the overall yearly expenditure of Licensee and all Licensee Affiliates on the following exceeds or is equal to **€5,000,000** (the "Maintenance Threshold"):
 - (a) SAP Enterprise Support, whereas, for purposes of this paragraph, yearly expenditures shall be deemed to be the product of seventeen percent (17%) times the applicable Maintenance Base, irrespective of the then current SAP Enterprise Support Factor in effect,
 - (b) SAP Product Support for Large Enterprises (currently 17%) times the applicable Maintenance Base
 - (c) SAP Standard Support, for which, for the purposes of this paragraph, the annual fees are defined as follows: 17% of Maintenance Base for each contract, irrespective of the then current SAP Standard Support Factor in effect,
 - (d) Maintenance for software licensed from Business Objects; and
 - (e) MaxAttention; and
- (ii) the Maintenance Base exceeds or is equal to **€30,000,000** (the "License Threshold").

SAP Cloud Services Fees Eligibility. If Licensee has an active order form(s) or agreements for one or more eligible SAP on demand services listed here <https://service.sap.com/~sapidb/011000358700000777502013E> ("SAP Cloud Services") with SAP and/or with affiliated company of SAP SE registered in the same country as SAP and the SAP Cloud Services term of each such agreement is not less than five (5) years, Licensee may apply up to forty percent (40%) of Licensee's annual SAP Cloud Services fees due under each such agreement toward meeting the Maintenance Threshold set forth in subsection (i) above.

b.1 During the term of the SAP PSLE agreement, Licensee shall be responsible for informing SAP if Licensee does not meet the Maintenance Threshold and/or the License Threshold. Upon Licensee's request, SAP will assist Licensee in this determination. If Licensee falls below either or both of these thresholds, Licensee shall inform SAP thereof immediately and from the date Licensee falls below the Maintenance Threshold and/or the Licensee Threshold, the following applies:

- (a) The SAP PSLE Factor for Licensee's and Licensee's Affiliates' PSLE Solutions which has been contractually agreed between SAP and Licensee is replaced by an SAP PSLE Factor of 22% in 2012, up to and including 2016. For the years 2017 and thereafter, the then current SAP Enterprise Support Factor according to SAP's then current List of Prices and Conditions applies;
- (b) The scope of SAP's support shall remain as defined in Section 1.3.2 above;
- (c) The SAP PSLE Factor for any additional purchases of software licenses subsequent to falling below the Maintenance Threshold and/or the License Threshold will be 22% up to and including 2016; and thereafter the then-current SAP Enterprise Support Factor according to SAP's then current List of Prices and Conditions;

SAP will offer to Licensee the option to select SAP Enterprise Support or SAP Standard Support in accordance with its then current terms and the provisions of the following section b.2.

b.2 If Licensee selects SAP's Enterprise Support offering, the following shall apply: the SAP Enterprise Support Factor is 20.8% in 2014, 21.4% in 2015, 22% in 2016; the SAP Enterprise Support Factor for additional purchases of software licenses subsequent to switching to SAP Enterprise Support will be 22% up to and including 2016; and thereafter the then current SAP Enterprise Support Factor according to SAP's then current List of Prices and Conditions.

If Licensee selects SAP's Standard Support offering, such services shall be provided in accordance with SAP's then current terms and conditions including without limitation pricing.

In either case, SAP and Licensee shall execute a respective change agreement to this effect.

In addition, the following applies: If on the day of or prior to falling below the Maintenance Threshold or the License Threshold, Licensee informs SAP that it is migrating to SAP Standard Support or SAP Enterprise Support, Licensee is entitled to continue using SAP Product Support for Large Enterprises at a factor of 17%, until such time as the migration has been contractually agreed but in total only for a maximum of three (3) months, after which the factors specified in section b.1a) above will apply.

c. Licensee is not eligible for SAP PSLE services:

- (i) during the period between meeting the criteria under section a) and the date at which SAP receives written notice from Licensee that Licensee meets these criteria; and
- (ii) during the period between the date at which Licensee falls below the criteria under section a) and the date at which Licensee informs accordingly, in the case where Licensee only informs SAP of its failure to meet the criteria after the date at which Licensee fell short of these criteria.

d. Licensee shall not receive any refund, including, but not limited to, previously paid maintenance fees, e.g. fees paid for SAP Enterprise Support.

1.3.9 Selection of SAP Standard Support or SAP Enterprise Support

Notwithstanding Licensee's right of termination as set out in the SAP PSLE Agreement and provided Licensee is not in default of any obligations under the SAP PSLE Agreement or its agreement for the provision and licensed use of the software, Licensee may select either SAP Enterprise Support or SAP Standard Support in accordance with the following provisions:

- Licensee may select **SAP Enterprise Support** either (i) with respect to all agreements for support that are solely on a calendar year renewal basis effective on the beginning of any calendar month or (ii) with respect to all agreements for support that are not solely on a calendar year renewal basis, effective on any monthly anniversary of the renewal date of such agreement. Licensee shall make such selection by giving to SAP three (3) months' written notice thereof. The notice is deemed to be given at the time it is received by SAP. All existing SAP PSLE Support agreements shall be terminated and replaced effective with the commencement of the SAP Enterprise Support agreement. Any such selection shall apply to all PSLE Solutions and SAP and Licensee shall execute an SAP Enterprise Support agreement on SAP's then-current terms and conditions for SAP Enterprise Support, including without limitation pricing.
- Licensee may select **SAP Standard Support** either (i) with respect to all agreements for support that are solely on a calendar year renewal basis, effective on the start of a new calendar year, subject to the Minimum Term of Licensee's first agreement for SAP PSLE; or (ii) with respect to all agreements for support that are not solely on a calendar year renewal basis, effective on the start of the first renewal period in any calendar year that follows the Minimum Term of Licensee's first agreement for SAP PSLE. Licensee shall make such selection by giving to SAP three (3) months' written notice thereof. The notice is deemed to be given at the time it is received by SAP. All existing SAP PSLE Support agreements shall be terminated and replaced effective with the commencement of the SAP Standard Support agreement. Any such selection shall apply to all PSLE Solutions and SAP and Licensee shall execute an SAP Standard Support agreement on SAP's then current terms and conditions for SAP Standard Support, including without limitation pricing.

For the avoidance of any doubt, selection to enroll in another type of SAP Support Services by Licensee pursuant to Support Services selection provisions stated herein shall strictly apply to all of Licensee's SAP software.

So far as SAP offers maintenance service for it, all of Licensee's SAP software must be covered by the maintenance service. Licensee must always have all of its installations of the Software fully maintained or terminate the maintenance service completely. Partial termination of SAP PSLE or partial selection of any one type of SAP Support Services by Licensee is not permitted.

1.3.10 *Special Notice*

- Failure to utilize SAP Product Support for Large Enterprises provided by SAP may prevent SAP from being able to identify and assist in the correction of potential problems which, in return could result in unsatisfactory software performance for which SAP cannot be held responsible.
- SAP's provision of SAP Support for Third Party Software can require the use of support services provided by the vendor in question. If the vendor does not provide the support services required by SAP, SAP has the right to give reasonable notice of at least three months effective at the end of a calendar quarter of extraordinary and partial termination on the contractual relationship for maintenance for the Third Party Software concerned. Licensee may be required to upgrade to more recent versions of its operating systems and databases to receive SAP Product Support for Large Enterprises. If the respective vendor offers an extension of support for its product, SAP may offer such extension of support under a separate written agreement for an additional fee.
- SAP Product Support for Large Enterprises is provided according to the current maintenance phases of SAP software releases as stated in <https://support.sap.com/releasestrategy>.

1.4. **SAP Standard Support**

1.4.1. *Definitions*

The following definitions only apply to this section 1.4:

"Production System" shall mean a live SAP system used for running Licensee's internal business operations and where Licensee's data is recorded.

"Service Session" shall mean a sequence of support activities and tasks carried out remotely to collect further information by interview or by analysis of a Production System resulting in a list of recommendations. A Service Session could run manually, as a self service or fully automated.

"Standard Support Solutions" shall mean all software for which SAP provides SAP Standard Support, excluding software to which special support agreements apply exclusively.

1.4.2. *Scope of SAP Standard Support*

SAP Standard Support currently includes:

Continuous Improvement and Innovation

- New software releases of the licensed Standard Support Solutions, as well as tools and procedures for upgrades.
- Support packages - correction packages to reduce the effort of implementing single corrections. Support packages may also contain corrections to adapt existing functionality to changed legal and regulatory requirements.
- For releases of the SAP Business Suite 7 core applications (starting with SAP ERP 6.0 and with releases of SAP CRM 7.0, SAP SCM 7.0, SAP SRM 7.0 and SAP PLM 7.0 shipped in 2008), SAP may provide enhanced functionality and/or innovation through enhancement packages or by other means as available. During mainstream maintenance for an SAP core application release, SAP's current practice is to provide one enhancement package or other update per calendar year.
- Technology updates to support third party operating systems and databases.
- Technology updates to support third party operating systems and databases.
- Available ABAP source code for SAP software applications and additionally released and supported function modules.
- Software change management, such as changed configuration settings or Standard Support Solutions upgrades, is supported, currently for example with content and information material, tools for client copy and entity copy, and tools for comparing customization.

Message Handling

- SAP Notes on the SAP Support Website document software malfunctions and contain information on how to remedy, avoid and bypass errors. SAP Notes may contain coding corrections that Licensees can implement into their SAP system. SAP Notes also document related issues, customer questions, and recommended solutions (e.g. customizing settings).
- SAP Note Assistant - a tool to install specific corrections and improvements to SAP components.
- Global message handling by SAP for problems related to Standard Support Solutions. When Licensee reports malfunctions, SAP supports Licensee by providing information on how to remedy, avoid or bypass errors. The main channel for such support will be the support infrastructure provided by SAP. Licensee may send an error message at any time. All persons involved in the message solving process can access the status of a submitted message at any time. In exceptional cases, Licensee may also contact SAP by telephone. SAP's support requires that Licensee provides remote access as specified in Section 1.4.3 . SAP will commence message handling on errors of very high priority (for a definition of priorities, see SAP Note 67739) within 24 hours, 7 days a week provided that the following conditions are met: (i) The error must be reported in English and (ii) Licensee must have a suitably skilled English-speaking employee at hand so that Licensee and SAP can communicate if SAP assigns the problem message to an overseas SAP support center. If either or both of these conditions are not fulfilled, SAP may not be able to start message handling or to continue message handling until these conditions are fulfilled.
- Global 24x7 escalation procedures.

Remote Services

- SAP Standard Support currently includes a choice of one of the following remote services per live installation per calendar year:
 - One GoingLive Check for e. g if the customer decides to implement new SAP software and use it productively;
 - One GoingLive Upgrade Check for an upgrade to a higher release; or
 - One GoingLive OS/DB Migration Check. This OS/DB Migration Check assists the Licensee in preparing for a migration of an operating system or database. Migration is the responsibility of the Licensee.
- In case of vital alerts reported by SAP EarlyWatch® Alert, up to two (2) SAP EarlyWatch® Checks may be performed per calendar year for a production system if required.
- A service can consist of one or more Service Sessions.
- In order to meet the requested delivery date for a remote service, the service has to be ordered at least two months in advance of the desired remote service delivery date. The right to services only exists for a specific installation and is not transferable to other installations.
- Further information and detail about individual SAP services can be found in SAP Service Marketplace at www.service.sap.com/standardsupport.

SAP Solution Manager Enterprise Edition under SAP Standard Support

- SAP Solution Manager Enterprise Edition (and any successor to SAP Solution Manager Enterprise Edition provided hereunder) shall be subject to the agreement on the provision and licensed use of the software and is for the following purposes only under SAP Standard Support: (i) delivery of SAP Standard Support, including delivery and installation, upgrade, and maintenance of Standard Support Solutions and (ii) re-active support upon request from Licensee, including without limitation application of break fixes (e.g. patches, notes, etc.) and root cause analysis for Standard Support Solutions and (iii) management of Standard Support Solutions using only those scenarios which are part of the functional baseline as defined on the SAP Support Website <https://support.sap.com/solutionmanager>. SAP in its sole discretion – may update from time to time on the SAP Support Website under <https://support.sap.com/solutionmanager> the use cases for SAP Solution Manager Enterprise Edition under SAP Standard Support.
- SAP Solution Manager Enterprise Edition shall only be used for SAP Standard Support during the term of the Standard Support agreement and by the Named Users licensed by Licensee subject to the licensed rights for the Software and exclusively for Licensee's SAP-related support purposes in support of Licensee's internal business operations. The right to use any SAP Solution Manager Enterprise Edition capabilities under SAP Standard Support other than those listed above is subject to a separate written agreement with SAP, even if such capabilities are accessible through or related to SAP Solution Manager Enterprise Edition. SAP Solution Manager must explicitly not be used for Third Party Software not licensed via SAP or any other components or IT assets operated in conjunction with SAP software
- In the event Licensee terminates SAP Standard Support and receives SAP Enterprise Support in accordance with Section 1.4.6, Licensee's use of SAP Solution Manager shall be governed by the terms and conditions of the SAP Enterprise Support Agreement.

Other Components, Methodologies, Content and Community Participation

- Monitoring components and agents for systems to help monitor available resources and collect system status information of the Standard Support Solutions (e.g. SAP Early Watch Alert).
- Administrative integration of distributed systems through SAP Solution Manager Enterprise Edition for the purposes of Sap EarlyWatch Alert.
- Content and supplementary tools designed to help increase efficiency, which may include implementation methodologies and standard procedures, an Implementation Guide (IMG) and Business Configuration (BC) Sets.
- Access to guidelines via the SAP Support Website, which may include implementation and operations processes and content designed to help reduce costs and risks.
- Participation in SAP's customer and partner community (via SAP Support Website), which provides information about best business practices, service offerings, etc.

1.4.3. Licensee's Responsibilities

SAP Standard Support Program Management

In order to receive SAP Standard Support hereunder, Licensee shall designate a qualified English speaking contact within its Customer COE (the "Contact Person") and shall provide contact details (in particular e-mail address and telephone number) by means of which the Contact Person or the authorized representative of such Contact Person can be contacted at any time. Licensee's Contact Person shall be Licensee's authorized representative empowered to make necessary decisions for Licensee or bring about such decision without undue delay.

Other Requirements

Furthermore, Licensee must especially without being limited to:

- Hold all necessary licenses for the Standard Support Solutions.
- Continue to pay all Standard Support Service Fees as contractually agreed.
- Otherwise fulfill its obligations under the contracts for the provision and licensed use of Software and the Standard Support agreement.
- Provide and maintain remote access via a technical standard procedure as defined by SAP and grant SAP all necessary authorizations, in particular for remote analysis of issues as part of message handling. Licensee shall grant such remote access without restriction regarding the nationality of the SAP employee(s) who process support messages or the country in which they are located. SAP points out that failure to grant access may lead to delays in message handling and the provision of corrections, or may render SAP unable to provide help in an efficient manner. The necessary software components must also be installed for support services. For more details, see SAP Note 91488.
- Establish and maintain an SAP certified Customer COE meeting the requirements specified in Section 1.4.4 below.
- Have installed, configured and be using productively, an SAP Solution Manager Enterprise Edition Software system, with the latest patch levels for Basis and the latest SAP Solution Manager Enterprise Edition support packages.
- Activate SAP EarlyWatch Alert for the Production Systems and transmit data to Licensee's productive SAP Solution Manager Enterprise Edition system. See SAP Note 1257308 for information on setting up this service.
- Establish a connection between Licensee's SAP Solution Manager Enterprise Edition installation and SAP and a connection between the Standard Support Solutions and Licensee's SAP Solution Manager Enterprise Edition installation.
- Licensee shall maintain the solution landscape and core business processes in Licensee's SAP Solution Manager Enterprise Edition system at least for the Production Systems and systems connected to the Production Systems. Licensee shall document any implementation or upgrade projects in Licensee's SAP Solution Manager Enterprise Edition system.
- To fully enable and activate the SAP Solution Manager Enterprise Edition, Licensee shall adhere to all guidelines in the applicable documentation.
- Licensee agrees to maintain adequate and current records of all modifications and, if needed, promptly provide such records to SAP.
- Submit all error messages via the then current SAP support infrastructure as made available by SAP from time to time via updates, upgrades or Add-ons.
- Inform SAP without undue delay of any changes to Licensee's installations and Named Users and all other information relevant to the Standard Support Solutions.

1.4.4. Customer Center of Expertise

1.4.4.1. Role of the Customer COE

The Customer Center of Expertise ("Customer COE") is designated by Licensee as a central point of contact for interaction with the SAP support organization. SAP recommends starting the implementation of the Customer COE as a project that runs in parallel with the functional and technical implementation projects.

1.4.4.2. Basic Functions of the Customer COE

The Customer COE must fulfill the following basic functions:

- Support Desk: Set-up and operation of a support desk with a sufficient number of support consultants for infrastructure/application platforms and the related applications during regular local working hours (at least 8 hours a day, 5 days (Monday through Friday) a week). Licensee support process and skills will be reviewed in the framework of the service planning process and the certification audit.
- Contract administration: Contract and license processing in conjunction with SAP (license audit, maintenance billing, release order processing, user master and installation data management).
- Coordination of innovation requests: Collection and coordination of development requests from the Licensee and/or any of its affiliates provided such affiliates are entitled to use the Standard Support Solutions as contractually agreed. In this role the Customer COE shall also be empowered to function as an interface to SAP to take all action and decisions needed to avoid unnecessary modification of the Standard Support Solutions and to ensure that planned modifications are in alignment with the SAP software and release strategy. The Customer COE shall also coordinate Licensee's modification notification and disclosure requirements.

- Information management: Distribution of information (e.g. internal demonstrations, information events and marketing) about Standard Support Solutions and the Customer COE within the Licensee's group of affiliated companies.
- Remote Service Planning: coordination of remote service delivery with SAP

1.4.4.3. Customer COE Certification

If Licensee does not already have a certified Customer COE upon the Effective Date, Licensee must establish a certified Customer COE upon the later to occur of the following: (i) within twelve (12) months after the Effective Date, or (ii) within six (6) months after Licensee has started using at least one of the Standard Support Solutions in live mode for normal business operations. To obtain the then-current primary Customer COE certification or re-certification by SAP, the Customer COE undergoes an audit procedure. Detailed information on the initial certification and re-certification process and conditions, as well as information on the available certification levels is available on SAP Support Website at <https://support.sap.com/ccoe>.

1.4.5. Verification

To check the compliance with the terms the contractual agreements, SAP shall be entitled to periodically monitor (at least once annually and in accordance with SAP standard procedures especially without being limited to) (i) the correctness of the information provided by Licensee and (ii) Licensee's usage of the Solution Manager Enterprise Edition in accordance with in accordance with the contractual regulations.

1.4.6. Selection of SAP Enterprise Support

Notwithstanding Licensee's right of termination as set out in the Standard Support Agreement and provided Licensee is not in default of any obligations under the Standard Support Agreement or its agreement for the provision and licensed use of the software, Licensee may select SAP Enterprise Support in accordance with the following provisions:

- (i) with respect to all agreements for support that are solely on a calendar year renewal basis effective on the beginning of any calendar month, or
- (ii) with respect to all agreements for support that are not solely on a calendar year renewal basis, effective on the any monthly anniversary of the renewal date of such agreement.

Licensee shall make such selection by giving to SAP three (3) months' written notice thereof. The notice is deemed to be given at the time it is received by SAP. All existing SAP Standard Support agreements shall be terminated and replaced effective with the commencement of the SAP Enterprise Support agreement. Any such selection shall apply to all Standard Support Solutions and SAP and Licensee shall execute an SAP Enterprise Support agreement on SAP's then-current terms and conditions for SAP Enterprise Support, including without limitation pricing.

For the avoidance of any doubt, selection to enroll in another type of SAP Support Services by Licensee pursuant to Support Services selection provisions stated herein shall strictly apply to all of Licensee's SAP software.

So far as SAP offers maintenance service for it, all of Licensee's SAP software must be covered by the maintenance service. Licensee must always have all of its installations of the Software fully maintained or terminate the maintenance service completely. Partial termination of SAP Standard Support or partial selection of any one type of SAP Support Services by Licensee is strictly prohibited.

1.4.7. Special Notice

- In the event that Licensee is entitled to receive one or more services per calendar year, (i) Licensee shall not be entitled to receive such services in the first calendar year if the Effective Date of the SAP Standard Support contract is after September 30 and (ii) Licensee shall not be entitled to transfer a service to the next year if Licensee has not utilized such service.
- Failure to utilize SAP Standard Support provided by SAP may prevent SAP from being able to identify and assist in the correction of potential problems which, in turn, could result in unsatisfactory software performance for which SAP cannot be held responsible.
- SAP's provision of SAP Support for Third Party Software can require the use of support services provided by the vendor in question. If the vendor does not provide the support services required by SAP, SAP has the right to give reasonable notice of at least three months effective at the end of a calendar quarter of extraordinary and partial termination on the contractual relationship for maintenance for the Third Party Software concerned. Licensee may be required to upgrade to more recent versions of its operating systems and databases to receive SAP Standard Support. If the respective vendor offers an extension of support for its product, SAP may offer such extension of support under a separate written agreement for an additional fee. If the licensing agreement between SAP and a third party vendor is terminated, support for this vendor's Third Party Software will be provided through SAP according to the defined support processes until the end of the wind-down period agreed upon between SAP and the third party vendor.
- SAP Standard Support is provided according to the current maintenance phases of SAP software releases as stated in <https://support.sap.com/releasestrategy>. Extended Maintenance for certain releases of the software is available at under a separate written agreement and for additional license fees.

1.5. **SAP Standard Support for SAP Business One**

1.5.1. Definitions

1.1 "Production System" shall mean a live SAP system used for running Licensee's internal business operations and where Licensee's data is recorded.

1.2 "Service Session" shall mean a sequence of support activities and tasks carried out remotely to collect further information by interview or by analysis of a Production System resulting in a list of recommendations. A Service Session could run manually, as a self-service or fully automated.

1.5.2. Scope of SAP Standard Support for Business One

Licensee may request and SAP shall provide, to such degree as SAP makes such services generally available in the Territory, SAP Standard Support services for SAP Business One. SAP Standard Support for SAP Business One currently includes:

Continuous Improvement and Innovation

- New software releases of the licensed Standard Support Solutions as well as tools and procedures for upgrades.
- Support packages - correction packages to reduce the effort of implementing single corrections. Support packages may also contain corrections to adapt existing functionality to changed legal and regulatory requirements.
- Technology updates to support third-party operating systems and databases.
- Remote support platform for SAP Business One (RSP) as collaborative infrastructure for the delivery of remote support and remote services.

Message Handling

- SAP Notes on the SAP Support Website document software malfunctions and contain information on how to remedy, avoid and bypass errors. SAP Notes may contain coding corrections that licensees can implement into their SAP system. SAP Notes also document related issues, licensee questions, and recommended solutions (e.g. customizing settings).
- Global message handling by SAP for problems related to Standard Support Solutions.
When Licensee reports malfunctions, SAP supports Licensee by providing information on how to remedy, avoid or bypass errors. The main channel for such support will be the support infrastructure provided by SAP. Licensee may send an error message at any time. All persons involved in the message solving process can access the status of the message at any time. In exceptional cases, Licensee may also contact SAP by telephone. For such contact (and as otherwise provided) SAP requires that Licensee provides remote access as specified in Section 1.5.3 SAP will commence message handling on errors of very high priority (for a definition of priorities, see SAP Note 67739) within 24 hours, 7 days a week provided that the following conditions are met: (i) The error must be reported in English and (ii) Licensee must have a suitably skilled English-speaking employee at hand so that Licensee and SAP can communicate if SAP assigns the problem message to an overseas SAP support center. If either or both of these conditions are not fulfilled, SAP may not be able to start message handling or to continue message handling until these conditions are fulfilled.

Other Components, Methodologies, Content and Community Participation

- Monitoring components and agents for systems to monitor available resources and collect system status information of the Standard Support Solutions (e.g. RSP).
- Access to guidelines via the SAP Support Website, which may include implementation and operations processes and content designed to help reduce costs and risks.
- Participation in SAP's customer and partner community (via SAP Support Website), which provides information about best business practices, service offerings, etc.

1.5.3. Licensee's Responsibilities

1.5.3.1. SAP Standard Support Program Management

In order to receive SAP Standard Support for SAP Business One hereunder, Licensee shall designate a qualified English speaking contact within its SAP Customer Center of Expertise ("Customer COE") (the "Contact Person") and shall provide contact details (in particular e-mail address and telephone number) by means of which the Contact Person or the authorized representative of such Contact Person can be contacted at any time. Licensee's Contact Person shall be Licensee's authorized representative empowered to make necessary decisions for Licensee or bring about such decision without undue delay.

1.5.3.2. Other Requirements

Licensee must further satisfy the following requirements:

- (i) Continue to pay all Standard Support Fees for SAP Standard Support for SAP Business One.
- (ii) Otherwise fulfill its obligations under the Software Agreements.
- (iii) Provide and maintain remote access via a technical standard procedure as defined by SAP and grant SAP all necessary authorizations, in particular for remote analysis of issues as part of message handling. Such remote access shall be granted without restriction regarding the nationality of the SAP employee(s) who process support messages or the country in which they are located. Licensee acknowledges that failure to grant access may lead to delays in message handling and the provision of corrections, or may render SAP unable to provide help in an efficient manner. The necessary software components must also be installed for support services.
- (iv) Make available to SAP Support organization a backup of the productive SAP Business One database whenever the processing of a support message requires in-house investigation. Partner is responsible to obtain the consent to a hand over from individuals whose personal data is stored in such database.
- (v) Establish and maintain an SAP certified Customer COE meeting the requirements specified in Section 1.5.4.
- (vi) Activate RSP for the Production Systems and transmit data to SAP Backend systems.
- (vii) Submit all error messages via the then current SAP support infrastructure as made available by SAP from time to time via updates, upgrades or add-ons.
- (viii) Inform SAP without undue delay of any changes to Licensee's installations and Named Users and all other information relevant to the Standard Support Solutions.

1.5.4. Customer Center of Expertise

1.5.4.1. Role of the Customer COE

The Customer COE is designated by Licensee as a central point of contact for interaction with the SAP support organization. SAP recommends starting the implementation of the Customer COE as a project that runs in parallel with the functional and technical implementation projects.

1.5.4.2. Basic Functions of the Customer COE

The Customer COE must fulfill the following basic functions:

- Support Desk: Set-up and operation of a support desk with a sufficient number of support consultants for infrastructure/application platforms and the related applications during regular local working hours (at least 8 hours a day, 5 days (Monday through Friday) a week). Licensee support process and skills will be reviewed in the framework of the certification audit.
- Contract administration: Contract and license processing in conjunction with SAP (license audit, maintenance billing, release order processing, user master and installation data management).
- Coordination of innovation requests: Collection and coordination of development requests from Licensee and/or affiliates provided such affiliates are entitled to use the Standard Support Solutions under the Software Agreement. In this role the Customer COE shall also be empowered to function as an interface to SAP to take all action and decisions needed to avoid unnecessary customization of Standard Support Solutions and to ensure that planned customizations are in alignment with the SAP software and release strategy. Information management: Distribution of information (e.g. internal demonstrations, information events and marketing) about Standard Support Solutions and the Customer COE within Licensee's organization.

1.5.5. Customer COE Certification

If Licensee does not already have a certified Customer COE upon the Effective Date, Licensee must establish a certified Customer COE upon the later to occur of the following: (i) within twelve (12) months after the Effective Date, or (ii) within six (6) months after Licensee has started using at least one of the Standard Support Solutions in live mode for normal business operations. To obtain the then-current primary Customer COE certification or re-certification by SAP, the Customer COE undergoes an audit procedure. For the avoidance of doubt the Customer COE for SAP Business One program is a product-specific program which meets the specific needs of the SAP Business One eco-system, it is independent from other Customer COE programs offered by SAP for other customer groups and/or other SAP products. Detailed information on the initial certification and re-certification process and conditions, as well as information on the available certification levels is available on SAP Support Website at <https://support.sap.com/ccoe>.

1.5.6. Verification

To check the compliance with the terms of this Schedule, SAP shall be entitled to periodically monitor (at least once annually and in accordance with SAP standard procedures) (i) the correctness of the information provided by Licensee.

1.5.7. Other Terms and Conditions

- So far as SAP offers maintenance service for it, all of Licensee's SAP software must be covered by the maintenance service. Licensee must always have all of its installations of the Software fully maintained or terminate the maintenance service completely. Partial termination of SAP Standard Support for SAP Business One or partial selection of any one type of SAP Support Services by Licensee is strictly prohibited
- FAILURE TO UTILIZE SAP STANDARD SUPPORT FOR SAP BUSINESS ONE PROVIDED BY SAP MAY PREVENT SAP FROM BEING ABLE TO IDENTIFY AND ASSIST IN THE CORRECTION OF POTENTIAL PROBLEMS WHICH, IN TURN, COULD RESULT IN UNSATISFACTORY SOFTWARE PERFORMANCE FOR WHICH SAP CANNOT BE HELD RESPONSIBLE.
- SAP's provision of SAP Support for Third Party Software can require the use of support services provided by the vendor in question. If the vendor does not provide the support services required by SAP, SAP has the right to give reasonable notice of at least three months effective at the end of a calendar quarter of extraordinary and partial termination on the contractual relationship for maintenance for the Third Party Software concerned. Licensee may be required to upgrade to more recent versions of its operating systems and databases to receive SAP Standard Support for SAP Business One. If the respective vendor offers an extension of support for its product, SAP may offer such extension of support under a separate written agreement for an additional fee.
- SAP Standard Support is provided according to the current maintenance phases of SAP software releases as stated in <https://support.sap.com/releasestrategy>.