

SAP Enterprise Cloud Services

RISE with SAP S/4HANA Cloud, private edition and SAP ERP, PCE v.3-2023

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FIVE CATEGORIES: For avoidance of doubt, all of the tasks and services itemized in this Roles & Responsibilities document are provided as a catalog of services. However, the relevance and necessity of each individual task or service will be unique to each customer's Computing Environment. Customers are responsible to review and analyze these tasks and make the selection of such tasks/services in collaboration with an SAP Cloud Architect Advisor ("CAA"), with a SAP Client Delivery Manager ("CDM"), or with the Private Cloud customer center team.

| Standard Services | All tasks/services that are included as part of the standard Services, covered by the Service Fee and performed by SAP ² , as applicable to customer. |
|---|---|
| Optional Services | Optional Services: these tasks/services are not covered in the standard Services, and are not and cannot be covered by the Cloud Application Services ¹ ("CAS"). These tasks/services • may be elected by customer, • are subject to additional service fees, • must be specifically contracted for and itemized in the customer's contract (original contract or via a change request), and • can only be performed by SAP ² . |
| Additional Service | Additional Service: Include one-off tasks/services which are not covered by Standard, Optional and/or Cloud Application Services. These tasks/services • may be elected by customer, • are subject to additional service fees and • can only be performed by SAP ² . |
| SAP Cloud Application Services [†] ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Cloud Application Services ¹ ("CAS"). Can be performed by customer: Include tasks/services that a customer can perform, but the customer may elect to have SAP ² to deliver. CAS is subject to additional service fees as agreed in a customer's contract. |
| Excluded Tasks | Excluded Tasks are those tasks/services that can only be performed by the customer and are excluded from Standard Services, Optional Services, Additional Services and/or Cloud Application Services. |

¹ Cloud Application Services ("CAS") is a category of supplementary services identified as Cloud Application Services ("CAS") in this document. CAS is subject to additional service fees as agreed in a customer's contract. CAS excludes all services involving the extension, reduction, or change of the customer's existing landscape, e.g. provisioning additional infrastructure resources. SAP may provide CAS services in either proactive or reactive mode. For SAP to provide services in a reactive mode, the customer is required to submit CAS service requests to SAP via the ticketing/service request system made available to customer for such purpose.

Not all tasks or services listed in the R&R are relevant to all customer environments. Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). Certain tasks or services may not be available from SAP or certain SAP third party providers, and may not be available in certain regions. The availability of a specific service may also depend on characteristics of the specific customer situation (e. g. system size, solution scope etc.) and must be individually checked and confirmed with an SAP Cloud Architect Advisor ("CAA"), an SAP Client Delivery Manager ("CDM"), or with the Private Cloud customer center team.

All tasks and work efforts not purchased by customer or not provided SAP as part of the standard service but applicable to customer and its Computing Environment are the responsibility of customer.

The PDF version of this Roles & Responsibilities document made available by SAP at https://www.sap.com/about/agreements/policies/hec-services.html at is the Documentation of record. Customer acknowledges that a non-pdf version of this Roles & Responsibilities document may be made available for task analysis, task planning and overall customer task management purposes, but such version shall not be considered Documentation.

² The term "SAP" when used herein refers to SAP as defined in the customer Order Form, and means either SAP or the relevant SAP third party provider or subcontractor.

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|------------------------|--|---|--|----------------|--------------|
| | | | All task descriptions exclusively refer to the execution of the respective task and are exclusive optentially required hardware or infrastructure capacities (e.g. compute, storage, network connectivity etc.). Any extension to such entities is required to be processed via a contractual change request (CR) and is subject to additional service fees. Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscalar). Tasks are applicable only to systems managed by the service provider unless otherwise explicitly noted. | | | |
| 1 | | A - Service Management | For accounts delivered by a Premium Partner, certain tasks in chapter "A - Service Management" are a joint effort between SAP and that Premium Partner. | | • | |
| 2 | | Account Management | | | | |
| 3 | SM_1.1.01 | Conduct Delivery and Operations Kick-Off -Review Support Manual -Landscape Review and Scope Alignment -Detailed Engagement and Operations Review | Standard Services | | not applicable | n/a |
| 4 | SM_1.1.02 | Capacity Management Review: Provide data via report and/or self-service reporting tool for review of systems within landscape, monitoring, and reporting of resource usage (e.g. storage capacity, memory and CPU) to prevent operational issues. Review need for service changes and extensions based on technical resource consumotion trends. | Standard Services | | not applicable | n/a |
| 5 | SM_1.1.03 | Capacity Management Planning: Provide periodic capacity plan based on technical capacity management review | Standard Services | | not applicable | n/a |
| 6 | SM_1.1.04 | System outage notification and escalation management | Standard Services | Handling of critical service situations aiming to bring the service back to targeted quality and standards. Provide Root Cause Analysis (RCA) for production environment(s) only. | not applicable | n/a |
| 7 | SM_1.1.05 | Service Performance Review and Report - Periodic - Provide review and suggestions if a high volume of support requests occurs - Service availability and KPIs | Standard Services | | not applicable | n/a |
| 8 | | Service Request Management - Technical Support | | | | |
| 9 | SM_1.2.01 | Service Request Management: - Create service requests via the service request platform - Update and resend service requests back to service provider via the service request platform when additional customer action/lattention/information is required | Excluded Tasks | Change Requests (CR) or Change Orders subject to process defined in Agreement. Service requests which require commercial change requests (CR) or which need to be planned and coordinated are performed during customer business hours only. | not applicable | n/a |
| 10 | SM_1.2.09 | Service Request Management - Receive and acknowledge service requests via the service request platform - Assess critically/pironity of service requests, effort and approvals required - Coordinate request approval - Coordinate request approval - Coordinate request depression - Coordinate request control of the coordinate request control of the coordinate request control of the coordinate request conditions - Coordinate request conditions - Coordinate request conditions - Coordinate request conditions | Standard Services | Provider will address service requests during the hours of operations as defined in the Service Level Agreement. Change Requests (CR) or change Criters subject to process defined in Agreement. Service requests which require commercial change requests (CR) or which need to be planned and coordinated are performed during customer business hours only. | not applicable | n/a |
| 11 | SM_1.2.11_AE | Create service plan for reoccurring and proactive CAS tasks / Create and maintain service plan for reoccurring and proactive services | Standard Services | Only applicable if CAS packages are part of the contract. | not applicable | n/a |
| 12 | SM_1.2.12_AE | Create and maintain release plan for managed landscape | Standard Services | Including check for SAP software updates (SAP Release Version, SAP Support Packages, SAP kernel updates, DB version) for contracted landscape. | not applicable | n/a |
| 13 | | Services to support industry regulations | This section does not define a fixed-scope service package but represents an open list of possible services that can be offered to support specific compliance needs; a detailed service scope must be specified in the managed services contract; examples for industry standards that may be addressed with these services are GXP or HIPAA. | | • | |
| 14 | | Qualifications Services | | | | |
| | SM_1.6.02 | Qualification deliverables (project and lifecycle documentation) | Optional Services | | not applicable | n/a |
| | SM_1.6.03 | Personnel qualification and training as mandatory requirement for administrator access to regulated industries systems | Optional Services | | not applicable | n/a |
| | SM_1.6.04 | Onboarding / system set-up with additional Installation Qualification | Optional Services | | not applicable | n/a |
| 18 | | Process Services | | | | |
| | SM_1.6.06 | Documents and records management for regulated industries | Optional Services | | not applicable | n/a |
| | SM_1.6.07 | Change and configuration management for regulated industries | Optional Services | | not applicable | n/a |
| | SM_1.6.08 | Problem management for regulated industries | Optional Services | | not applicable | n/a |
| 22 | SM_1.6.09 SM 1.6.10 | Audits and periodic review | Optional Services | | not applicable | n/a |
| | | System decommission for regulated industries | Optional Services | | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|----------|----------------|---|--|--|--------------------------|--------------|
| 24 | | B - Managed Infrastructure Data Center Management | Section B - Managed Infrastructure describes the infrastructure services provided for components used as part of managed systems; services around "Server Provisioning" (aka laaS) are described in detail in the respective section. Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). | | | • |
| | | Manage Data Center | | This service is operated either in DC facilities owned by the respective service provider, in rented co-location facilities, public cloud, or on | not applicable | n/a |
| 20 11 | NFRA_1.1.01 | manage Data Center | Standard Services | This service is operated entire in 100 radiuses owned by the respective service provider, in reflect co-location radiuses, public cloud, or on hyperscaler infrastructure platforms. | not applicable | iva |
| 27 | | Network Management | | | | |
| 28 | NFRA_1.2.01 | Manage remote connection between the managed system landscape and service provider's support infrastructure | Standard Services | Service initiated after formal transition to service provider. | not applicable | n/a |
| | NFRA_1.2.03 | Move an existing system in a customer landscape to new subnet for the purpose of network segregation - initial landscape build | Additional Service | During initial landscape build only, Two (2) additional subnets are covered as part of standard offering during the initial landscape build. Customers can request more subnets as an Additional Service if more subnets are needed during the initial network build or in an existing landscape via NFRA, 1 2034. Note: This task is not available when using a Hyperscaler deployment model as this requires a decommission and rebuild all systems. Customers using a Hyperscaler deployment model are strongly advised to provide final IP address rances before initial system build. | not applicable | n/a |
| 30 | NFRA_1.2.03A | Provision additional subnets as part of initial landscape build or after network build to segregate tiers (e.g. PROD, DEV, QA) or move VMs | Additional Service | Up to Two (2) additional subnets are covered as part of standard offering during the initial landscape build. Customers can request more subnets using this Additional Service if more subnets are needed during the initial network build or in an existing landscape. This service covers subnet creation for triers such as Sandbox, DEV, QA etc. only and does not cover isolation or restrictions between subnets using SGINSG/Firewall services; for this use INFRA_12.03B. Not in scope for application or DB server seceration. | not applicable | n/a |
| | NFRA_1.2.03B | Configure communication restrictions between production and non-production tiers | Additional Service | This service can be used if restrictions are needed between tiers or or-premise systems. Customer must to provide communication matrix to provide restrictions (e.g. who trans mount access across tiers; allow port 3299 from port 0 OA etc.) Excition rules (south as ACLs) are limited to Twenty (20) per ter (default are exe.). Such restrictions between application and DB servers within a tier are not in soose not committed. Service provider access can't be restricted. | not applicable | n/a |
| | NFRA_1.2.04 | Modify existing customer connectivity (VPN, MPLS, Cloud Peering etc.) | Standard Services | One (1) ticket per each feature change is required (after initial connectivity is established). | not applicable | n/a |
| 33 | NFRA_1.2.06 | IP address migration - Change IP addressing of existing network segment to new IP addressing | Additional Service | Used for cases where the original IP range of a network segment (including delivered systems) needs to be changed. Note: This task is not available when using a Hyperscaler deployment model as this requires a decommission and rebuild all systems. Customers using a Hyperscaler deployment model are strongly advised to provide final IP address ranges before initial system build. | not applicable | n/a |
| 34 | NFRA_1.2.07 | Enable DNS integration of on-premise customer domains into customer DNS servers to resolve on-premise host names | Standard Services | Supported through DNS forwarding on the DNS server. This task does not add /etc/hosts file entries on individual servers. | not applicable | n/a |
| 35 | NFRA_1.2.08 | Migrate SAP domain (*.sap.biz) to customer domain or customer domain migration | Additional Service | Used in case customer wants to change from internal domain to customer domain or want to migrate existing domain to new domain due to organizational change. | not applicable | n/a |
| 36 | | Hardware Operations | Applies to equipment managed by service provider. | | | |
| | NFRA_1.4.03 | Plan and conduct managed service infrastructure maintenance | Standard Services | | not applicable | n/a |
| | NFRA_1.4.05 | Monitor critical operations parameters of computing environment | Standard Services | | not applicable | n/a |
| | NFRA_1.4.06 | Monitor disk capacity | Standard Services | Subject to additional fees for additional capacity. | not applicable | n/a |
| | NFRA_1.4.07 | Monitor server capacity | Standard Services | Subject to additional fees for additional capacity. | not applicable | n/a |
| 41 II | NFRA_1.4.08 | Monitor network utilization | Standard Services | | not applicable | n/a |
| 42 II | NFRA_1.4.09 | Infrastructure/hardware/system requests; Process commercial change requests as required for hardware upgrades, additions etc. | Standard Services | Subject to reasonable lead time, customer to provide request via tracking system with sufficient detail; additional fees apply; service provided only during office hours (referring only to the commercial part, technical implementation timing will be scheduled based on contractual specifications). | not applicable | n/a |
| 43 II | NFRA_1.4.11 | Scale compute capacity (memory and CPU) | Optional Services | | not applicable | n/a |
| 44 | | Storage Management | | | | |
| | NFRA_1.5.01 | Manage data files, file systems and disks per standards and practices | Standard Services | | not applicable | n/a |
| | NFRA_1.5.02 | Scale storage capacity | Optional Services | | not applicable | n/a |
| 47 II | NFRA_1.5.03 | Enable SnapLock/WORM/Immutability capability for archiving use cases | not offered | | not applicable | n/a |
| | NFRA_1.5.04_AE | Review and analyze the impact of data volume/load on data environment performance | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Volume Optimization | D6 |
| | NFRA_1.5.05_AE | Determine if existing hardware can meet growth | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Volume Optimization | D6 |
| | NFRA_1.5.06_AE | Develop alternative plans (e.g. archiving, consolidation, hardware upgrades) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Volume Optimization | D6 |
| 51 | | Operating System | | | | |
| | NFRA_1.6.01 | Create and maintain OS users and groups | Standard Services | Service provider access only, no privileged access to operating system by customer. | not applicable | n/a |
| | NFRA_1.6.04 | Inform customer regarding security incidents | Standard Services | | not applicable | n/a |
| | NFRA_1.6.05 | Configure OS parameters | Standard Services | | not applicable | n/a |
| | NFRA_1.6.06 | Troubleshoot operating system problems, monitor system log and file systems | Standard Services | | not applicable | n/a |
| | NFRA_1.6.07 | Work with OS vendor to resolve operating system issues | Standard Services | | not applicable | n/a |
| | NFRA_1.6.08 | Monitoring of swap and page areas | Standard Services | | not applicable | n/a |
| | NFRA_1.6.09 | Monitoring of memory load | Standard Services | | not applicable | n/a |
| 59 II | NFRA_1.6.12 | Software Lifecycle Management of operating system System Startup/Shutdown | Standard Services | | not applicable | n/a |
| | NFRA 1.7.01 | Perform scheduled startup/shutdown of computing environment | Standard Services | | not applicable | n/a |
| | NFRA_1.7.03 | Restart computing environment after failure | Standard Services | | not applicable | n/a |
| OZ II | *I IND_1.7.00 | resian companing environment after failure | Standard Services | | Line abbitcapie | riva |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|----------------------------------|---|--|---|----------------------------------|--------------|
| 63 | | Backup/Restore | | | | |
| 64 | | General | | | | — I. |
| | INFRA 1.8.01 | Perform standard file system and database backups | Standard Services | Per standards, or according to specific terms of the Agreement. | not applicable | n/a |
| 66 | | Perform exceptional ad-hoc backup upon request | | Lead time for backup to be aligned in advance. This backup is not applicable for systems which are already fully backed up on a daily | not applicable | n/a |
| 00 | INFRA_1.8.10 | r enorm exceptional au-noc backup upon request | Additional Service | basic | not applicable | Iva |
| 67 | | Provide non-standard backup services (e.g. extended retention period for long-term backups) | | Change request required to cover extra storage requirements for the retention period. Lead times for change request processing to be | not applicable | n/a |
| 0, | INFRA_1.8.09 | Tronds from standard backap services (e.g. extended retained period for long term backaps) | Optional Services | factored in when ordering the service. BLOB (binary large object) storage to be factored in as per size requirements. | not applicable | 100 |
| 68 | INFRA 1.8.11 | Monitor backup processes | Standard Services | iteacred in mich dracing the derived, bead (analy targe adject) storage to be autorice in as per size requirements. | not applicable | n/a |
| 69 | | Test backup/restore procedures periodically | | This task cannot be ordered by customers. This task is used to verify procedures and operational readiness; testing is not performed for | not applicable | n/a |
| 00 | INFRA_1.8.07 | Total basicapi roscola por portocalariy | Standard Services | each individual system but for representative scenarios. | not applicable | Total |
| 70 | INFRA 1.8.03 | Perform data restore and recovery (file system, database) as required after system failures | Standard Services | | not applicable | n/a |
| 71 | | Perform data restore and recovery (file system, database) on customer request (other reasons | | Up to Six (6) restores per SID, per contract year, are included. | not applicable | n/a |
| | INFRA_1.8.02 | than as a response to system failures) | Standard Services | op to oik (b) restores per oie, per contract year, and monaced. | not applicable | 100 |
| 72 | INFRA 1.8.06 | Validate logical integrity and consistency of restored information | Excluded Tasks | | not applicable | n/a |
| 73 | | NFS DB Volume Consistent Snapshot and Restore | | | | |
| | INFRA 1.13.01 | Perform standard NFS DB volume snapshot | Standard Services | SAP HANA and ASE only. Per standards, or according to specific terms of the Agreement. | not applicable | n/a |
| | INFRA 1.13.02 | Perform ad-hoc NFS DB volume consistent snapshot | Additional Service | Lead time to be alloned in advance. | not applicable | n/a |
| | INFRA_1.13.02 | | Additional Service | | | |
| 76 | INFRA_1.13.03 | Perform exceptional ad-hoc NFS DB volume consistent snapshot | A177101- | Example: extend retention period for a snapshot or transfer to secondary system for longer retention. Offered options are described in | not applicable | n/a |
| | IN INA_1.13.03 | | Additional Service | separate service descriptions and are subject to change; not every theoretically possible combination of snapshot frequency and | | |
| 77 | + | Perform DB NFS volume snapshot restore and recovery (file system, database) - as required | | retention period is offered. Extra charges apply for restores if caused by customer error. | t | n/a |
| // | INFRA_1.13.04 | | Standard Services | Extra charges apply for residies if caused by customer error. | not applicable | n/a |
| 70 | + | after system failures | | | t | n/a |
| 78 | INFRA_1.13.05 | Perform DB NFS volume restore and recovery (file system, database) on customer request - reasons other than as a response to system failures | Additional Service | | not applicable | IVa |
| 70 | INFRA 1.13.06 | Perform standard flat filesystem NFS volume snapshot (non-DB volumes) | Standard Services | Per standards, or according to specific terms of the Agreement. | not applicable | n/a |
| | | | Standard Services | rei standards, or according to specific terms of the Agreement. | | |
| 80 | INFRA_1.13.07 | Restore standard flat filesystem NFS volume snapshot (non-DB volumes) - on customer | Additional Service | | not applicable | n/a |
| 04 | | request (other reasons than as a response to system failures) | | | | n/a |
| 81 | INFRA_1.13.07A | Restore standard flat filesystem NFS volume snapshot (non-DB volumes) - as required after system failures | Standard Services | | not applicable | n/a |
| 82 | | Infrastructure integration | | | | _ |
| | INFRA 1.9.02 | Integrate customer Active Directory, Google IdP and other identity management solutions | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | |
| | INFRA_1.9.02 | Provide access to systems/resources within customer infrastructure | | | | n/a |
| | INFRA_1.9.04 | | Excluded Tasks | If required to fulfil agreed contractual obligations. | not applicable | n/a |
| 85 | | File transfer capabilities: CIFS shares | | | | |
| | INFRA_1.10.01 | Mount remote customer SMB shares locally on managed landscape Linux clients (aka CIFS) | Standard Services | Within contractually agreed infrastructure capacity. | not applicable | n/a |
| | INFRA_1.10.01A | Provide Samba Server Share on managed landscape LINUX server for remote SMB clients | Standard Services | Within contractually agreed infrastructure capacity. | not applicable | n/a |
| | INFRA_1.10.03 | User and access management | Standard Services | Once/initially when share is created. | not applicable | n/a |
| 89 | INFRA_1.10.04 | Create and maintain folder structure on shares | Standard Services | | not applicable | n/a |
| 90 | INFRA_1.10.05 | Ensure up-to-date anti-virus protection on end user equipment connecting to the provided | Excluded Tasks | | not applicable | n/a |
| | _ | shares | Excluded Tasks | | ** | |
| 91 | INFRA_1.10.06 | Implement virus protection on server | Standard Services | | not applicable | n/a |
| 92 | INFRA_1.10.07 | Backup of data uploaded to shares to ensure data integrity | Excluded Tasks | Customer must ensure that data which get uploaded to the CIFS shares are kept properly secured at customer end; the shares | not applicable | n/a |
| | INFRA_1.10.07 | * * * * * * * * * * * * * * * * * * * | Excluded Tasks | themselves are only backed up via standard file system backups not allowing point-in-time recovery. | ** | |
| 93 | | Managed SFTP Server | To be installed on existing application server in managed system | | | |
| 94 | INFRA 1.11.01 | Configure sftp daemon | Standard Services | Only available on Linux. | not applicable | n/a |
| | INFRA 1.11.02 AE | Create and maintain sfto user accounts and groups | Standard Services | Up to 10 users. | not applicable | n/a |
| | INFRA_1.11.02A | Create and maintain sftp user accounts and groups - additional requests | Additional Service | Requests for additional users beyond those provided in INFRA_1.11.02_AE | not applicable | n/a |
| | INFRA_1.11.03 | Manage file systems | Standard Services | Within contractually agreed infrastructure capacity. | not applicable | n/a |
| | INFRA 1.11.04 | Provide user list | Excluded Tasks | | not applicable | n/a |
| | INFRA_1.11.04 | | | | | |
| | INFRA_1.11.05 | Create and delete files | Excluded Tasks | | not applicable | n/a |
| 100 | | Management of Wide Area Network | | | | |
| | INFRA_1.12.01 | Provide network infrastructure at customer data center/site | Excluded Tasks | | not applicable | n/a |
| 102 | INFRA_1.12.02 | Provide network switching and ports at SAP/Partner data center to customer to connect telco | Standard Services | Per SAP Guidelines, customer must ensure compatible network infrastructure at own site. Note: does not include infrastructure such as | not applicable | n/a |
| | | equipment | | rackspace for MPLS or other devices. | ļ | |
| 103 | INFRA_1.12.03 | Determine appropriate size and purchase network connection between customer and managed | Excluded Tasks | | not applicable | n/a |
| | | system sites: manage telecommunication provider/ISP | | | l | |
| 104 | | SAP Cloud Peering: Establish a virtual connection to an SAP datacenter via a customer's | | Can only be used if SAP is connected to same interconnection provider. Monthly subscription fee via Change Request based on | not applicable | n/a |
| | | interconnection provider | | bandwidth. Connection of customer on-premise networks to interconnection hub is performed by the customer with their selected | | |
| | INFRA_1.12.04 | | Standard Services | interconnect provider. Includes up to Four (4) x 100 Mbit/s cloud peering packages equal to a total of Four Hundred (400) Mbit/s. | | |
| | I . | | | Customer can substitute cloud peering packages with a maximum of Five (5) VPN tunnels. Redundant VPN tunnels are not available. | | |
| | + | | | | l | |
| 105 | INFRA_1.12.04_PCE | Add additional SAP Cloud Peering packages - 100Mbit/s increments | Standard Services | Add additional SAP Cloud Peering packages in 100) Mbit/s increments. A total of Four (4) x 100 Mbit/s packages equal to a total of Four | not applicable | n/a |
| | | | | Hundred (400) Mbit/s is available. | | |
| | INFRA_1.2.05 INFRA 1.2.05 PCE | Add additional VPN or MPLS – Hyperscaler only Add additional SAP DC VPN or SAP DC MPLS – SAP datacenter only | Standard Services | Maximum of Ten (10) non-redundant tunnels or Five (5) redundant tunnels. Maximum of Five (5) tunnels. Redundant VPN tunnels are not available. | not applicable not applicable | n/a n/a |
| | | | Standard Services | | | |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|----------|----------------------------|---|---|--|--|----------------|
| 08 | | C1 - Database Management SAP HANA | | | | |
| 19 | | SAP HANA (general database operations) | The standard service scope specified by this version of the Roles and Responsibilities includes certain baseline features and functionalities which are part of the SAP HANA database. SAP HANA provides additional or optional features and functionalities for which related services and support are on included in the standard service scope, and may be available on an additional cost basis. | Additional and optional services to support these and future SAP HANA features and the availability of those services will be evaluated and determined by SAP on a case-by-case basis, including the assessment of associated efforts and costs. The respective standard and additional services are shown in separate sections of this document. | | |
| 10 | HANA_1.1.31 | Provide recommendations on database release management | Standard Services | Service provider will provide guidance on recommended database releases based on operational experience and information given by SAP Product Development. | not applicable | n/a |
| | HANA_1.1.01 | Plan and perform file system extensions for e.g. backup activities | Standard Services | Additional infrastructure consumption requires a CR. | not applicable | n/a |
| 2 | HANA_1.1.02 | Monitor database resource consumption to detect issues in technical operations | Standard Services | Task output feeds into capacity management; recommendations for optimization may also be provided via SAP Enterprise Support services. | not applicable | n/a |
| 13 | HANA_1.1.03 | Monitor table growth to proactively prevent operational issues and ensure that the service stays within the contractual sizing boundaries | Standard Services | Storage capacity is specified in the service description. Monitoring and alerting is performed through automated system. Recommendations for limitation of data growth may also be provided via SAP Enterprise Support services. | | n/a |
| 14 | HANA_1.1.25 | Design table partitioning strategy/architecture | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | XX |
| 15 | HANA_1.1.04 | Partition tables (technical execution) | Standard Services | If required as a consequence of extensive table growth; One (1) execution per SID, per year included; any further requests will be charged separately. | not applicable | n/a |
| | HANA_1.1.35 | Partition tables (technical execution) - additional requests | Additional Service | Efforts for additional table partition requests. | | n/a |
| 118 | HANA_1.1.36 HANA_1.1.05 | Database table redistribution based on the table placement rules (Technical Execution) Perform rowstore / column store migration: technical execution only | Standard Services Standard Services | For requirements involving application dependency (e.g. Moving tables and table partitions manually from one host to another). Per customer request. Executing party to be mutually agreed between the service provider and customer, impation of lager SAP tables to be done by service provider, customer should perform task on own tables if desired; additional downtime required per customer anoroval. | | n/a n/a |
| | HANA_1.1.37 | Database Defragmentation (Data Volume Reclamation) | Standard Services | | | n/a |
| | HANA_1.1.38 | Database Row Store Fragmentation | Standard Services | | THE SPECIAL SECTION SE | n/a |
| | HANA_1.1.06 | Monitor database for technical issues; analyze and resolve technical database failures | Standard Services | | not applicable | n/a n/a |
| 22 | HANA_1.1.07 | Clean-up HANA log and trace files (traces, statistic files etc.) to free up capacity and keep HANA system clean and health? Maintain technical configuration parameters for SAP HANA and SAP HANA XS based on and | Standard Services | | not applicable not applicable | n/a n/a |
| | HANA_1.1.08 | standards and recommendations | Standard Services | | not applicable | |
| | HANA_1.1.09 | Start/stop database | Standard Services | | not applicable | n/a |
| 25 | HANA_1.1.10 | Add/remove SAP HANA node to adjust SAP HANA capacity | Optional Services | For HANA scale-out configurations only. | not applicable | n/a |
| 26 | HANA_1.1.28 | Create additional schema for existing SAP HANA datamart | Standard Services | | | n/a |
| 27 28 | HANA_1.1.29 HANA_1.1.26 | Change of SAP HANA database ID and instance number Change SAP HANA database architecture (single node to multi node or vice versa) | Standard Services not offered | | | n/a n/a |
| 29 | HANA_1.1.11 | Manage standby databases (HANA System Replication) for high availability | Standard Services | Performed only for productive systems; only if dedicated standby databases are explicitly included as part of the solution in the contract. Not in scope for multi-node set-ups. Failover tests are not performed on a regular basis per system. | not applicable | n/a |
| 30 | HANA_1.1.12 | Update SAP HANA database software | Standard Services | Additional downline for maintenance records of Spatres with HAMCON in Industry to the Control of Spatres with HAMCON in Industry to the Industry to th | not applicable | n/a |
| 31 | HANA_1.1.12A | Install or Update SAP HANA client | Standard Services | Install or update SAP HANA client software on application instances and non SAP HANA systems. Applicable for Production and Non- Production systems. | not applicable | n/a |
| 32 | HANA_1.1.33 | SAP HANA version upgrade and update of DB Client | Standard Services | HANA systems to HANA MDC system with latest support pack levels, and with replication mode set to CLR. The term "version upgrade" denotes the change to a new major release of the hosted SAP software, typically including functional enhancements. | not applicable | n/a |
| 33 | HANA_1.1.22 | SAP HANA Transports Management Set-up | Standard Services | Limited to the setup of the transport management system and does not include ongoing operation of the transport management system. | not applicable | n/a |
| 34 | HANA_1.1.14 | Implement / maintain additional SAP tools (e.g. SAP HANA Analytics Foundation Browser) | Standard Services | Depending on customer requirements; only for tools in the HANA context delivered by SAP, 3rd party tools not covered. | not applicable | n/a |
| 135 | HANA_1.1.15 | Identify, analyze and optimize expensive SQL-statements to improve application performance | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Environment Health Checks or Performance Optimization or Proactive Performance Management | A1, D1, P2, P3 |
| 36 | HANA_1.1.16 | System troubleshooting, e.g. blocked transactions, to overcome issues and bring SAP HANA back to normal state of operations | Standard Services | | not applicable | n/a |
| 37 | HANA_1.1.17 | Create/modify users for HANA modelling in the SAP HANA Studio | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Environment Health Checks or Proactive Performance Management | A1, D1, P3 |
| 8 | HANA_1.1.18 | User, roles, and permissions management for non-technical users | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Customer has ownership and responsibility for SAP HANA role CUST_USER_ROLE_ADMIN. | | A1, S2 |
| 39 | HANA_1.1.19 | User, roles and permissions management for technical and administration users | Standard Services | Technical users: e.g. users delivered and used by SAP HANA. This service is only for internal Users created by service provider e.g. SAPSID / SAPABAP1 / SAPHANADB. | not applicable | n/a |
| 40 | HANA_1.1.20 | Perform database backups (regular full backups and log backups) | Standard Services | Per backup policy. | | n/a |
| | HANA_1.1.21 | Restore and recover SAP HANA after technical issues | Standard Services | | | n/a |
| | HANA_1.1.30 | Perform database consistency check (DBCC) | Standard Services | | not applicable | n/a |
| 43 44 | HANA_1.1.32 HANA_1.1.23 | Implement SAP HANA database encryption on SAP HANA database already installed during | Excluded Tasks Optional Services | Enable encryption on systems in operation. Downtime required for re-installation of database; potential additional storage consumption is | | n/a n/a |
| 45 | HANA_1.1.24 | Operations Implement SAP HANA database encryption on SAP HANA database already installed during Build. | Standard Services | subject to a change request (CR). Encryption enabled at system build only if it has been requested. | not applicable | n/a |
| 46 | HANA_1.1.39 | Implement SAP HANA log encryption on SAP HANA database already installed | Standard Services | | not applicable | n/a |
| 47 | HANA_1.1.40 | Configure Secure Communication on SAP HANA System Replication (HSR) | Standard Services | Available by default in HANA 2.0. Explicitly required only for HANA 1.0 where EarlyWatch Alert recommends to secure System Replication communication or a Tenant | not applicable | n/a |
| | 1000-11110 | | | needs to be moved to another system | | |
| 18 | HANA_1.1.41 | Activate SAP HANA Fast Restart Option | Standard Services | needs to be moved to another system. | not applicable | n/a |
| 49 | _ | Activate SAP HANA Fast Restart Option Deactivate SAP HANA Fast Restart Option | Standard Services Standard Services | needs to be moved to another system. | not applicable not applicable | n/a n/a |

| Row Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|------------------------------------|--|--|--|---|--------------|
| 151 | SAP HANA XS | | | | |
| 152 HANA 1.2.01 | Maintain technical configuration parameters for SAP HANA XS based on SAP standards and | Standard Services | | not applicable | n/a |
| 153 HANA 1.2.02 | recommendations | | | F | . 6 |
| 153 HANA_1.2.02 154 HANA_1.2.03 | Maintain Application Runtime Configurations Manage Trust Relationships | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| 155 HANA 1.2.04 | Maintain SAML Providers | Standard Services Standard Services | | not applicable | n/a |
| 156 HANA 1.2.05 | Maintain SAME Providers Maintain SMTP Server Configurations | Standard Services Standard Services | | not applicable | n/a |
| 157 HANA_1.2.06 | Maintain HTTP Access to SAP HANA | Standard Services | | not applicable | n/a |
| 158 HANA_1.2.08 | Maintain User Self Service Tools | Standard Services | | not applicable | n/a |
| 159 HANA 1.2.09 | Schedule XS Jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| TIANA_1.2.05 | | performed by customer if applicable and if the SAP CAS Service is not used. | | ** | |
| 160 HANA_1.2.11 | Maintain HTTP Traces for SAP HANA XS Applications | Standard Services | | not applicable | n/a |
| 161 | SAP HANA XSA | SAP HANA XSA is a separate technical component and not part of a standard installation of an SAP HANA database; SAP HANA XSA needs to be explicitly included/scoped in the initial contract or subsequent Change Request (CR). | | | |
| | | | | | |
| 162 HANA_1.9.01 | Install along with HANA Server | Optional Services | | not applicable | n/a |
| 163 HANA_1.9.02 | Install XSA Components as an add-on for already installed HANA Server | Optional Services | | not applicable | n/a |
| 164 HANA_1.9.04 165 HANA_1.9.05 | Set-up/Configure XSA for HANA Development at customer side Configure XS-CLI Tool for HANA Development | Excluded Tasks | | not applicable | n/a |
| 166 HANA_1.9.06 | User management for HANA Development | Excluded Tasks | | not applicable not applicable | n/a n/a |
| 166 HANA_1.9.06 167 HANA 1.9.07 | | Excluded Tasks Additional Service | Super set will be included in monitoring if selected. | | n/a n/a |
| 168 HANA_1.9.08 | Monitoring of XSA services and its applications Set-up Logical database (Register Tenant Database) | Additional Service | Super set will be included in monitoring it selected. | not applicable | n/a n/a |
| 169 HANA 1.9.10 | Backup and restore of XSA specific files | Standard Services | | not applicable not applicable | n/a n/a |
| 170 HANA_1.9.11 | Web Dispatcher configuration for the applications installed by service provider and built by customers | Additional Service | | not applicable | n/a |
| 171 HANA 1.9.13 | Support customer built applications | Excluded Tasks | | not applicable | n/a |
| 172 HANA_1.9.14 | Availability monitoring of customer built applications | Excluded Tasks | | not applicable | n/a |
| 173 HANA_1.9.15 | Backup of custom applications if using file system storage | Standard Services | | not applicable | n/a |
| 174 HANA_1.9.16 | Restore of customer built applications using file system storage provided the backup has been enabled prior | Standard Services | | not applicable | n/a |
| 175 HANA_1.9.17 | Post-restore task checking and connection of custom applications | Excluded Tasks | | not applicable | n/a |
| 176 HANA_1.9.18 | HANA XS (XS classic) to XSA model conversion | Additional Service | | not applicable | n/a |
| 177 | SAP HANA: Smart Data Integration (Formerly Enterprise Information Management - EIM) | Extended feature beyond the standard service scope. | | | |
| 178 | Set-up - Technical Set-up Only - Does Not Include Application Set-up | | | | |
| TO_HANA_SDI_1.1.01 | Enable Data Provisioning Server | Standard Services | The Data Provisioning Server is a native SAP HANA process. It is built as an index server variant, runs in the SAP HANA cluster, and is managed and monitored just like other SAP HANA services. The Data Provisioning Server is installed with, but must be enabled in, the SAP HANA Server | not applicable | n/a |
| 180 TO_HANA_SDI_1.1.02A | Install, configure, and register Data Provisioning Agents | Standard Services | Two (2) DP Agents are included with the standard service. For additional DP Agents see TO_HANA_SDI_1.1.02. | not applicable | n/a |
| 181 TO_HANA_SDI_1.1.02 | Install, configure, and register Data Provisioning Agents - Additional Agents | Optional Services | For additional DP Agents. | not applicable | n/a |
| 182 TO_HANA_SDI_1.1.04 | Set-up Smart Data Quality (SDQ) | Optional Services | Deploy SDQ, download Address and Data Cleansing package from the SAP Service Market Place and configuration from SAP HANA Server. SFTP access will be set-up so that the customer may upload the address directories on their own. | not applicable | n/a |
| 183 TO_HANA_SDI_1.1.05 | Set-up Agile Data Preparation (ADP) | Standard Services | ADP requires SDQ, ESS and HRF be deployed and set-up with related users and authorizations. | not applicable | n/a |
| 184 TO_HANA_SDI_1.1.06 | Administration of Agile Data Preparation (ADP) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Setting Export Options, worksheet expiration, password features, warehouse workspace, and size and policy for queues. | Application Operations or Data Integration | A1, D2 |
| 185 TO_HANA_SDI_1.1.07 | Set-up replications, federation and transformations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Integration | A1, D2 |
| 186 TO HANA SDI 1.1.08 | FlowGraph jobs backup | Excluded Tasks | Customer can use SAP SDI Web application interface and/or SDI Fiori Cataloo/Tiles for this task. | not applicable | n/a |
| 187 TO HANA SDI 1.1.09 | Replication task backup | Excluded Tasks | Customer can use SAP SDI Web application interface and/or SDI Fiori Catalog/Tiles for this task. | not applicable | n/a |
| 188 TO_HANA_SDI_1.1.10 | DP Agent - High Availability set-up | Optional Services | DP Agent can be set-up in High Availability set-up by provisioning shadow instances on additional nodes; included only if explicitly mentioned in the contract. | not applicable | n/a |
| 189 TO_HANA_SDI_1.1.11 | Deploy standard adapters with SAP HANA | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | See the SDI guide on the SAP Help Portal for a list of standard and custom adapters. | Application Operations or Data Integration | A1, D2 |
| 190 TO_HANA_SDI_1.1.12 | Deploy custom adapters with SAP HANA | Optional Services | See the SDI guide on the SAP Help Portal for a list of standard and custom adapters. | not applicable | n/a |
| 191 TO_HANA_SDI_1.1.13 | Monitor Data Provisioning tasks and remote subscriptions | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Integration | A1, D2 |
| 192 TO_HANA_SDI_1.1.14 | Process remote subscription exceptions | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Integration | A1, D2 |
| 193 | SAP HANA: Streaming Analytics Option (Formerly Smart Data Streaming SDS) | Extended feature beyond the standard service scope. | | | |
| 194 | Operational Set-up | | | | |
| 195 TO_HANA_SA_1.0.01 | Install Streaming Analytics option package | Optional Services | SAO package is installed on the SAP HANA DB node/MDC Tenant. | not applicable | n/a |
| 196 TO_HANA_SA_1.0.02 | Add Streaming Analytics option hosts | Optional Services | | not applicable | n/a |
| 197 TO_HANA_SA_1.0.04 | Configure data source on Streaming Analytics option host | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Configure odbc.ini for SAP HANA connection from each of the SAO hosts. | Application Operations or Data Integration | A1, D2 |
| 198 TO_HANA_SA_1.0.05 | Set-up streaming authorization | Optional Services | Activate smart data streaming roles, privileges and object access for monitoring and operations. | not applicable | n/a |
| 199 TO_HANA_SA_1.0.06 | Activate SAP HANA Cockpit | Optional Services | Execute tasks for SAP HANA Cockpit activation for operations and monitoring. | not applicable | n/a |
| 200 TO_HANA_SA_1.0.07 | Configure Streaming Cluster - High Availability set-up | Optional Services | Configure for high availability by adding multiple nodes. Additional Infrastructure required. | not applicable | n/a |
| 201 TO_HANA_SA_1.0.08 | Provision of Disaster Recovery (Streaming Analytics option nodes) | Optional Services | Provisioning of identical number of nodes at a secondary site to mirror primary site using provisioning tool. | not applicable | n/a |
| 202 TO_HANA_SA_1.0.09 | Streaming Lite set-up | Excluded Tasks | Streaming Lite is optional and not required as part of a standard SAO installation. The Streaming Lite package is downloadable as a separate component only. Streaming Lite is designed to deploy streaming projects on remote gateway devices | not applicable | n/a |
| 203 TO HANA SA 1 0 10 | Create and deploy Streaming Analytics option streaming projects | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Using SAP HANA Studio, create and deploy project for data streaming to SAP HANA and other external sources. | Application Operations or Data | A1, D2 |
| 203 TO_HANA_SA_1.0.10 | Monitor Streaming Analytics option objects and projects | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Monitoring SAO objects and projects using SAP HANA/ESP Cockpits. | Integration Application Operations or Data | A1, D2 |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|-----------------------|---|---|--|----------------|----------------|
| 205 | Tuerranier | SAP HANA: Multiple Database Containers (MDC) | Extended feature beyond the standard service scope. | I Militino | . CAS Fackage | . rackage code |
| 206 | | Operational Set-up | Extended reactive beyond the standard service scope. | | | |
| 207 | TO HANA MDC 1.1.01 | Install HANA MDC (HANA server, Client, AFL, Runtime Libraries and Studio) | Standard Services | MDC is default in SAP HANA 2.0 | not applicable | n/a |
| 208 | TO HANA MDC 1.1.06 | Create technical users | Standard Services Standard Services | | not applicable | n/a |
| 209 | | Create additional tenants for datamart scenarios on existing infrastructure | | For use on existing infrastructure. A change request (CR) is required for backup retention requirements and the set-up of new continuous | | n/a |
| | TO_HANA_MDC_1.1.07 | | Optional Services | monitoring. | ** | |
| 210 | TO_HANA_MDC_1.1.08 | Create additional tenants for datamart scenarios on new infrastructure | Optional Services | Additional infrastructure consumption requires a change request (CR). | not applicable | n/a |
| 211 | TO_HANA_MDC_1.1.04 | Install additional services for tenant DB containers | Standard Services | Additional services such as dp server, index server, XS engine. By default one of each comes automatically upon creation of a tenant; installation of additional services required for certain use cases is covered under this line item. | not applicable | n/a |
| 212 | TO_HANA_MDC_1.1.05 | Scale out of tenant database | Standard Services | SAP BW systems only. | not applicable | n/a |
| 213 | TO_HANA_MDC_1.2.17_AE | Tenant Copy/Move Preparation, Checks, Certificates, Pre-Steps, Move/Copy via replication, post processing steps | Standard Services | Move will drop the source database after the task is complete. Copy will keep the source after the task is complete. | not applicable | n/a |
| 214 | TO_HANA_MDC_1.2.01 | Network: Reserve additional ports to one instance to adjust tenant overhead per instance | Standard Services | | not applicable | n/a |
| 215 | TO_HANA_MDC_1.2.03 | Auditing: Create and enable audit policies for systemdb and each tenant DB | Standard Services | | not applicable | n/a |
| 216 | TO_HANA_MDC_1.2.08 | Data storage: DB-specific encryption keys (SSFS Source Key) Change | Standard Services | Change some/all keys upon request by customer. Used for Instance SSFS and System PKI SSFS master key, data volume encryption root key, redo log encryption root key, page encryption keys. | not applicable | n/a |
| 217 | TO_HANA_MDC_1.2.06 | Backup of individual tenants | Additional Service | As per standard, backups are performed for the entire database. However, a tenant-individual backup - as a file based dump - is possible on individual request. | not applicable | n/a |
| 218 | TO_HANA_MDC_1.2.07 | Restore backup of individual tenant | Additional Service | | not applicable | n/a |
| 219 | TO HANA MDC 1.2.10 | Authorization: Manage system privileges and tenant DB privileges | Standard Services | | not applicable | n/a |
| 220 | | Active-Active Read Enabled Set-up | Extended feature beyond the standard service scope. | | | |
| 221 | TO_HANA_AAR_1.1.01 | Install primary and secondary SAP HANA system | Optional Services | Import delivery units, set-up users and roles. | not applicable | n/a |
| 222 | TO HANA AAR 1,1,03 | Establish log replay between both SAP HANA instances | Optional Services | Import delivery units, set-up users and roles. | not applicable | n/a |
| 223 | TO_HANA_AAR_1.1.04 | Establish monitoring for secondary system | Optional Services | | not applicable | n/a |
| 224 | | Remote Data Sync (RDS) | Extended feature beyond the standard service scope. | | | |
| 225 | | Set-up and Configuration | | | | |
| 226 | TO_HANA_RDS_1.1.01 | Install Remote Data Sync component on SAP HANA | Optional Services | RDS package is installed on the SAP HANA DB node. It can be installed at the same time as the SAP HANA install or can be installed independently. | not applicable | n/a |
| 227 | TO_HANA_RDS_1.1.02 | Add Remote Data Sync Host | Optional Services | | not applicable | n/a |
| 228 | TO_HANA_RDS_1.1.03 | Activate RDS roles, privileges and object access for monitoring and operations | Optional Services | | not applicable | n/a |
| | TO_HANA_RDS_1.1.04 | Import of RDS delivery units | Optional Services | This task is required only in MDC set-ups. | not applicable | n/a |
| 230 | TO_HANA_RDS_1.1.05 | Set-up and configure RDS nodes for each tenant DB including service initialization, cockpit access. delivery units and verification | Optional Services | | not applicable | n/a |
| 231 | TO HANA RDS 1.1.06 | RDS cockpit - Set-up and Configuration | Optional Services | Execute tasks for HANA Cockoit activation for RDS operations and monitoring. | not applicable | n/a |
| 232 | | High Availability Set-up | | and the second s | | |
| 233 | TO_HANA_RDS_1.2.01 | Set-up of additional hosts for high availability | not offered | | not applicable | n/a |
| 234 | TO_HANA_RDS_1.2.02 | High availability configuration | not offered | | not applicable | n/a |
| 235 | TO HANA RDS 1.2.03 | Set-up and configure LoadBalancer for High Availability support | not offered | | not applicable | n/a |
| 236 | TO_TIANA_RDS_1.2.03 | Other Services | not onered | | not applicable | iva |
| 237 | TO_HANA_RDS_1.3.01 | Set-up and configure synchronization scripts | not offered | | not applicable | n/a |
| 238 | | Monitor synchronization requests, process and status | | | not applicable | n/a |
| | TO_HANA_RDS_1.3.02 | | not offered | | not applicable | liva |
| 239 | | Capture and Replay | Extended feature beyond the standard service scope. | | | |
| 240 | TO_HANA_CR_1.1.01 | Prepare capture in source system | Optional Services | Import Delivery units, set-up users and roles. | not applicable | n/a |
| 241 | TO_HANA_CR_1.1.02 | Start capture | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Customer must ensure sufficient capacity to store capture of workload; capacity extension requires change request (CR). | Custom Scope | xx |
| 242 | TO_HANA_CR_1.1.03 | Set-up replay in target system | Optional Services | Import Delivery units, set-up users and roles. | not applicable | n/a |
| 243 | TO_HANA_CR_1.1.04 | Configure replayer service | Optional Services | Configure replayer service. | not applicable | n/a |
| 244 | TO HANA CR 1.1.05 | Preprocess and replay in target system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|-------------------|---|---|--|------------------------|--------------|
| 245 | | SAP HANA: Accelerator for SAP ASE (AFA) | | | | |
| 246 | | Operational Set-up | | | | |
| 247 | TO_AFA_1.1.01 | Install Accelerator for SAP ASE Package | Standard Services | HANA - AFA package is installed on the SAP HANA DB node. | not applicable | n/a |
| 248 | TO_AFA_1.1.02 | Add Accelerator for ASE Host | Standard Services | Adding Accelerator for ASE host. For multi-tenant set-ups, AFA nodes are added exclusively to each tenant DB. | not applicable | n/a |
| 249 | TO_AFA_1.1.03 | Install and configure SAP Replication Server | Standard Services | SAP Replication server is required when data is replicated from existing SAP ASE OLTP source server to SAP HANA target server. Depending on SAP ASE OLTP server installed location i.e. on on-premise or cloud landscape, replication server can be installed as managed server. | not applicable | n/a |
| | TO_AFA_1.1.04 | Authorization - Set-up | Standard Services | Activate accelerator for ASE roles, privileges and object access for monitoring and operations. Provision specific user and roles. | not applicable | n/a |
| 251 | TO_AFA_1.1.05 | Enable Pushdown Optimization | Standard Services | AFA pushdown optimization is enabled on AFA nodes. | not applicable | n/a |
| | TO_AFA_1.1.06 | Import Delivery Units | Standard Services | Import of AFA Delivery units in HANA multi-container scenarios. This task is required only in MDC set-up. | not applicable | n/a |
| 253 | TO_AFA_1.1.07 | Multitenant Set-up | Standard Services | Configure and set-up AFA nodes for each tenant DB including, service initialization, cockpit access, delivery units and verification. | not applicable | n/a |
| 254 | TO_AFA_1.1.08 | Configure HTTP Access for Multi Database Containers (MDC) | Standard Services | Configure HTTP Access for Multitenant Database Containers for HANA Cockpit Access and monitoring. Note: This task is not required if HTTP Access is already configured for existing MDC set-up. | not applicable | n/a |
| 255 | TO_AFA_1.1.09 | High availability set-up and configuration | Optional Services | High Availability set-up and configuration involving single or multi-tenant DB set-ups including ETS group set-up; only if standby nodes are part of the contractual landscape design. | not applicable | n/a |
| 256 | | Other Services | | | | |
| 257 | TO_AFA_1.2.01 | Pushdown Analysis Tool Set-up | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Simulation tool to evaluate pushdown optimization. This is carried out prior to AFA Deployment. | Application Operations | A1 |
| | TO_AFA_1.2.02 | Data Replication for Accelerated Reporting | Excluded Tasks | Set-up ASE OLTP data replication to HANA DB. Identify and set-up DB objects to be replicated. | not applicable | n/a |
| 259 | TO_AFA_1.2.03 | Monitor Accelerator for ASE Pushdown Statements | Excluded Tasks | Monitoring Accelerator for ASE objects including pushdown statements using HANA Cockpits. | not applicable | n/a |
| 260 | | Pacemaker High Availability Set-up | Subject to assessment and validation by solution architects on a case-by-case basis. Optional Service/Change Request (CR) required for Service Level Agreement (SLA). | | | |
| 261 | | Installation and Configuration | | | | |
| 262 | TO_HANA_PM_1.1.01 | Install SUSE Cluster (Pacemaker) package | Optional Services | For HANA 2.0 or SAP NetWeaver application servers. | not applicable | n/a |
| 263 | TO_HANA_PM_1.1.02 | Set-up and configure the SUSE Cluster for monitoring SAP HANA database or Application resources | Optional Services | | not applicable | n/a |
| | TO_HANA_PM_1.1.03 | Start/stop the application and perform failover in case of failures | Optional Services | | not applicable | n/a |
| | TO_HANA_PM_1.1.04 | Configure ability to fence nodes in error conditions | Optional Services | | not applicable | n/a |
| 266 | TO_HANA_PM_1.1.05 | Configure SAP HANA Hooks | Optional Services | System replication, index server. | not applicable | n/a |
| | TO HANA PM 1.1.06 | Enable monitoring of SUSE cluster services availability | Optional Services | | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|--------------|---|--|---|-----------------------------------|--------------|
| 268 | | C2 - Database Management | Excluding SAP HANA and Sybase IQ which are described in the respective | | | |
| | | | sections. | | | 4 |
| 269 | | Database operations | | | | 4. |
| 270 | DB_1.1.17 | Provide recommendations on database release management | Standard Services | Service provider will provide guidance on recommended database releases based on operational experience and information given by SAP Product Development. | not applicable | n/a |
| 271 | DB_1.1.19 | Monitor database resource consumption (memory, CPU, storage) to detect issues in technical operations | Standard Services | Task output feeds into capacity management; recommendations for optimization may also be provided via SAP Enterprise Support services. | not applicable | n/a |
| | DB_1.1.02 | Perform database extensions to increase database capacity | Standard Services | Increased consumption will be charged according to contractual Agreement and may be a prerequisite to this task. | not applicable | n/a |
| 273 | DB_1.1.20 | Monitor database for technical issues; analyze and resolve technical database failures | Standard Services | | not applicable | n/a |
| | DB_1.1.24 | System troubleshooting, e.g. blocked transactions to overcome issues and bring database back to normal state of operations | Standard Services | | not applicable | n/a |
| | DB_1.1.05 | Schedule periodic statistical database collectors to generate statistical performance data | Standard Services | | not applicable | n/a |
| | DB_1.1.06 | Perform reorganization to remove database fragmentation | Standard Services | | not applicable | n/a |
| | DB_1.1.07 | Maintain/change database parameters | Standard Services | Based on vendor recommendations and standards. | not applicable | n/a |
| | DB_1.1.21 | Start/stop database | Standard Services | | not applicable | n/a |
| 279 | DB_1.1.11 | Perform upgrades of database software | Standard Services | | not applicable | n/a |
| | DB_1.1.12 | Apply database patches | Standard Services | | not applicable | n/a |
| 281 | DB_1.1.13 | Perform database backups (regular database and log backups) | Standard Services | Per backup policy. | not applicable | n/a |
| 282 | DB_1.1.14 | Restore and recover database after technical issues | Standard Services | | not applicable | n/a |
| 283 | DB_1.1.22 | Perform database consistency check (DBCC) | Standard Services | | not applicable | n/a |
| 284 | DB_1.1.23 | Export/Import of database schema | Standard Services | | not applicable | n/a |
| 285 | DB 1.1.16 | Assist customer in optimizing SQL statements (indexes, selects etc.) for application | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Data Environment Health Checks or | D1, D3 |
| | | improvements | performed by customer if applicable and if the SAP CAS Service is not used. | | Proactive Performance Management | |
| | DB_1.1.25 | Create indexes for application tables | Standard Services | | not applicable | n/a |
| 287 | DB_1.1.26 | Shrink database | Additional Service | Valid only for Sybase ASE. | not applicable | n/a |
| 288 | HANA_1.1.11B | Manage standby application instance for high availability | Standard Services | Performed only for productive systems; only if dedicated standby databases are explicitly included as part of the solution in the contract. Not in scope for multi-node set-ups. Failover tests are not performed on a regular basis per system. | not applicable | n/a |
| 289 | | SAP ASE Database | | | | 4. |
| 290 | DB_1.1.18 | Implement SAP ASE database encryption on SAP ASE database already installed in cloud | Standard Services | No downtime required. | not applicable | n/a |
| 291 | HANA_1.1.11A | Manage standby databases (ASE System Replication) for high availability | Standard Services | Performed only for productive systems; only if dedicated standby databases are explicitly included as part of the solution in the contract. Not in scope for multi-node set-ups. Failover tests are not performed on a regular basis per system. | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|--------------------|-----------------|--|---|---|------------------------|--------------|
| 292 | | D - Core Technical Operations | | | | |
| 293 | | System Installation | | | | |
| 294 BAS | ASIC_1.8.01 | Install cloud solution landscape as specified in the cloud contract, based on SAP and standards and best-practices | Standard Services | If an entirely new customer system is set up as a homogenous copy (no change of database platform) of a customer system already residing in the dcought energency effort and costs are occered by the general set-up and there will be no additional charge for a "system copy". Source systems not residing inside cloud is not addressed by this comment and is covered by the separately contracted cloud orboxeding and migrations energine. | not applicable | n/a |
| 295 BAS | ASIC_1.8.25 | SAP system re-installation after system handover | Additional Service | Customer may request a system rebuild on existing infrastructure only. This service is for effort only and does not include any required infrastructure change. This service is not applicable if new or changed infrastructure is required as new or changed infrastructure requires a Change Request. | not applicable | n/a |
| ²⁹⁶ BAS | SIC_1.8.02 | Technical configuration (installation post-processing) of installed systems (e.g. scheduling of standard batch jobs, backup etc.) | Standard Services | Scope is determined by this Roles & Responsibilities document. | not applicable | n/a |
| 297 BAS | ISIC_1.8.15 | Basic Technical Configuration of SAP BW/4HANA Systems | Standard Services | For ABAP Greenfield set-ups only. | not applicable | n/a |
| | SIC_1.8.23 | Install a preconfigured system from an SAP delivered template solution in a cloud skeleton system | Standard Services | This service performs a restore of a purchased SAP delivered template into a cloud skeleton system. The build of the template is not included in this service. Service must be requested utility the initial provisioning phase. Templates outlion requested coming after the initial delivery of systems require additional service costs. Validation of the compatibility of different SAP delivered templates is not included in this service. Underlying target infersionature must be appropriately sized and satisfed for the preconfigured system. In case of image from SAP Cloud Appliance Library (CAL), the image can only be used to set-up the sandbox system. | not applicable | n/a |
| 299 BAS | SIC_1.5.01 | Customize and configure application, maintain application, application support and application troubleshooting | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Service provider delivers systems which are technically configured on technical platform (e.g. SAP NetfWeaver) level and ready to be operated. Any solution (e.g. SAP BW, SAP CRM, SAP EP) or customer specific configuration task is not included and must be oerformed by the customer. | Custom Scope | XX |
| 300 BAS | ASIC_1.8.03 | Integrate installed systems into cloud operations environment | Standard Services | Performed One (1) time for each entirely new system. If the initial set-up is a migration, One (1) additional test run of the production (PRD) system is included. If the initial set-up is a conversion to S/4HANA, Two (2) additional test runs are included: One (1) for a non-production (QAS, DEV, etc.) system and One (1) for the productive (PRD) system). If the test run is not utilized for a non-production system, then it can be used for a production system with non-production intensies. Additional test runs are available as a billiable service. | not applicable | n/a |
| 301 BAS | SIC_1.8.03_PCE | Integrate installed systems into cloud operations environment - additional test run requests | Additional Service | For additional test run requests as described in BASIC_1.8.03. | not applicable | n/a |
| 302 BAS | SIC_1.8.04 | Enable system monitoring | Standard Services | Setup technical monitoring of system components only. Does not include monitoring of solutions, customer configuration, interfaces, connections and iobs which can be covered with additional services. | not applicable | n/a |
| | SIC_1.8.22 | Data transfer to service provider during onboarding using methods other than the provided standard data copy option | Additional Service | One (1) time service fee. Approach depends on chosen onboarding scenario and individual requirements, either using network connection or physical and encrypted media: shipment of physical media done at customers risk. | not applicable | n/a |
| 304 BAS | SIC_1.8.22A_PCE | Download data from BLOB (binary large object) storage to managed server | Standard Services | Used to copy data from on-premise to a target server in the managed environment. Data transfer from cloud storage (e.g. BLOB,S3,GCP) to managed server during onboarding. | not applicable | n/a |
| 305 BAS | ISIC_1.8.20 | Provide special support to customer during onboarding - general | Additional Service | Depending on scope and approach of onboarding project customers may require technical assistance, e.g. whenever OS access is required: this type of onboarding support can be provided under this line item. | not applicable | n/a |
| 306 BAS | SIC_1.8.20A | Provide special support to customer during onboarding – Brownfield Post-Migration Downtime Optimization Service | Additional Service | Subject to assessment and approval by Service Provider and provided on a case-by-case basis. Lead time of Two (2) months required. Optimize post processing timelines and activities performed during post migration. Reduce business downtime by using parallelism in manual activities. Includes: 1) Analysis of post migration activities to identify areas which can be optimized resulting in a reduction of business downtime required for typical migrations; 2) Where applicable, deployment of additional resources to perform manual post micration activities. | not applicable | n/a |
| 307 BAS | ASIC_1.8.20_HS | Hypercare - Small Package (4 Week Service) | Additional Service | The Hypercare enhanced service package helps safeguard critical phases of the solution lifecycle and provides a defined and intense suite of services and checks to support customers during critical project periods such as go-live, business cutover, migrations, etc. | not applicable | n/a |
| 308 BAS | SIC_1.8.20_HL | Hypercare - Large Package (8 Week Service) | Additional Service | The Hypercare enhanced service package helps safeguard critical phases of the solution lifecycle and provides a defined and intense suite of services and checks to support customers during critical project periods such as go-live, business cutover, migrations, etc. | not applicable | n/a |
| 309 BAS | SIC_1.8.05 | Integrate system with other systems and applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Create RFC and/or JAVA connections to satellite systems. | Application Operations | A1 |
| 310 BAS | \SIC_1.8.14 | Implementation of SAP Best Practices and similar packages | Standard Services | Custome to inform SAP of the Best Practice (BP) activation requirement during initial provisioning, otherwise existing business client will be overwritten by the new client copy issued from Best Practices activation. Customer is responsible for defining/settleng Best Practice business of the selected country by providing completed Best Practice questionnaire document. BP activation is restricted to single country only in finis service. BP activation can only be requested once per system landscape. All sustembring that may be required after activation of the Best Practices content in order to meet requirements that drifter from Best Practice scenarios is not part of this service. The implementation of "Best Practices for SAP SV4HAND" includes the activation of required business functions in client 000, the provisioning of a client with the desired client set-up alternative, and Best Practice scope items activation in the systems (if requested in the Best Practice questionnaire document provided by the customer). Best Practice scope items import and activation, if requested during system build, happens after the system is handed-over to the customer. Fiori technical enablement will be done in the (re-)created client. The activation of corresponding SAP Fiori Alons a not covered by this service. | not applicable | n/a |
| 311 BAS | SIC_1.8.19 | Configure SAP online help (local installation) | Standard Services | Once (1) per system; subject to contractual change request (CR) to cover increased infrastructure consumption and additional administrative efforts. | not applicable | n/a |
| | SIC_1.8.21 | Install ODBC Drivers to connect to external databases | Standard Services | On SLT/HANA SDS/BOBJ; customer needs to provide required software including appropriate usage rights for an installation in cloud; customer needs to provide specification for required connection (e. q. SSL/TLS). | not applicable | n/a |
| | SIC_1.8.12 | Increase system capacity by adding additional components (nodes, application servers etc.) or moving existing system to larger infrastructure (e.g. larger database server) - requires infrastructure change | Optional Services | Contractual change request (CR) required to reflect higher infrastructure consumption, subject to additional service fees. If this is a software or configuration only type change then task BASIC_1.8.12A should be used. | not applicable | n/a |
| | SIC_1.8.12A | Increase system capacity - requiring software or configuration change only | Additional Service | Non-infrastructure changes only. If there is a change to infrastructure, a change request (CR) is required and task BASIC_1.8.12 should be used. | | n/a |
| | ASIC_1.8.10 | Data handover from service provider to customer - one time | Standard Services | Delivered One (1) time per contract duration period. Efforts for a One (1) time data handower (creation of exportbackup using SAP standard tools and transfer to meet a paint of a contract or system termination are included in the service. Planning coordination, media and logistics of shipment as well as all associated costs are customer responsibility. Any other occurrence of data handover is an additional service. | not applicable | n/a |
| 316 BAS | ASIC_1.8.13 | Data handover from service provider to customer - additional requests | Additional Service | Efforts for additional data handover (creation of export/backup and transfer to media). Planning, coordination, media and logistics of shipment as well as all associated costs are customer responsibility. Note: One (1) time per contract duration period handover is included as a Standard Service per BASIC_18.10. | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package C |
|-----|-----------------|--|---|--|---|-----------|
| 317 | | Incident Management | | | | |
| 318 | BASIC_1.16.01 | Operate Call Center receiving incidents 24x7x365 | Standard Services | 24x7 support only in English language, local languages where available during business hours and explicitly agreed with the customer. | not applicable | n/a |
| 319 | | Incident processing - Qualification and prioritization of the incidents | | | not applicable | n/a |
| | | - Initiate incident resolution | | | | |
| | | - Track incident resolution progress | | | | |
| | BASIC_1.16.02 | - Incident escalation as defined by escalation process | Standard Services | | | |
| | | - Determine incident resolution or workaround | | | | |
| | | - Implement solution or workaround | | | | |
| | | - Verify incident resolution | | | | |
| 00 | BASIC 1.16.03 | - Inform customer about incident resolution | Part to track | | | |
| | BASIC_1.16.03 | Sign-off/Approve solution and confirm incident resolution | Excluded Tasks | | not applicable | n/a |
| 21 | | Event detection and notification ("monitoring") | | | | |
| 22 | BASIC_1.8.17 | Monitoring and event detection of SAP system availability and critical system states | Standard Services | Monitoring requirements are defined based on Roles & Responsibilities and SLAs; activated monitoring metrics and used thresholds are | not applicable | n/a |
| | | | | subject to constant change and tuning. | | |
| 23 | BASIC_1.7.07 | Monitor critical business transactions | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Customer Application Monitoring | M2 |
| 24 | | General Operations | | | | |
| 25 | BASIC_1.8.08 | Start/Stop managed systems | Standard Services | Used for a variety of scenarios including, but not limited to: daylight saving/standard time adjustment; restarting managed systems with | not applicable | n/a |
| | _ | | | reboot option; restarting additional application servers, restarting SAP Solution Manager diagnostic agent, etc. | | |
| 26 | BASIC_1.1.15 | Troubleshoot technical issues in managed systems | Standard Services | For technical issues only; application related problems must be resolved by the customer. | not applicable | n/a |
| 27 | | Assist customers with tasks in their area of responsibility if OS access is required | | In cases where the execution of tasks requires activities to be performed within the OS level and for which the customer is responsible | not applicable | n/a |
| | | | | according to this document. Customers will not get OS access to managed servers within cloud. The service provider will support the | | |
| | BASIC_1.1.14 | | Standard Services | customer, e.g. by taking over the tasks or by providing other methods to execute tasks. This line item only applies to | | |
| | | | | infrequent/occasional assistance; projects requiring regular, longer and more general OS access for implementation, development and | | |
| | | | | support cannot be supported via this line item. | | |
| 28 | BASIC 1.1.16 | Regular analysis and maintenance of SAP system profile parameters | | Service provider is responsible for executing this task as it can have an impact on system performance and availability. Provider will | not applicable | n/a |
| | BASIC_1.1.16 | | Standard Services | provide recommendations for technical system parameters; Provider will also adjust parameters by customer request except for certain | | |
| 29 | | SAP Security Management | | standardized settings required to maintain system stability or security. | | |
| 30 | | Define and implement security concept for application | | Customer may engage other SAP services to define and implement security concept for application. | not applicable | n/a |
| | | | Excluded Tasks | Customer may engage other SAP services to define and implement security concept for application. | | |
| | BASIC_1.2.23 | Define and implement infrastructure security concept | Standard Services | | not applicable | n/a |
| 32 | BASIC_1.2.19 | Customer specific Security Audit Log analysis | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Audit Readiness | C1 |
| 3 | BASIC_1.2.20 | Analyze the SAP system and identify relevant SAP security notes | Standard Services | SAP will proactively identify and analyze security notes for installed systems to identify critical notes relevant for ABAP-stack only. | not applicable | n/a |
| 34 | BASIC_1.2.27 | Implement Security Notes - SAP Basis / ABAP related | Standard Services | SAP Security Notes for SAP Basis without manual activities will be implemented in DEV systems (ABAP stack). Customer responsible | not applicable | n/a |
| | BASIC_1.2.27 | | Standard Services | for transport of implemented Notes to QAS and Production Systems and testing accordingly. | ** | |
| 35 | | Implement Security Notes - Application related | | SAP Security Notes without manual activities will be implemented in DEV systems (ABAP stack). Transport of implemented Notes to | Application Security Updates | S1 |
| | BASIC_1.2.28 | | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Quality and Production Systems are only relevant if Customers approve SAP to transport SAP Notes by agreeing to a standard change | | |
| | Briolo_1.E.E0 | | performed by customer if applicable and if the SAP CAS Service is not used. | process. Testing of implemented Notes is Customer's responsibility. Transports are not applicable for Customers using Enhanced | | |
| | | | | Change and Transport System in SAP Solution Manager (CTS+). | | |
| 36 | BASIC_1.2.29 | Implement relevant ABAP and Application related Security Notes with manual activities | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | SAP Security Notes with manual activities should be analyzed and remediated as part of the Functional Application Support or Release | Custom Scope | xx |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | process. | | |
| 37 | BASIC_1.2.17 | Definition, maintenance, review and audit of roles, profiles, authorizations etc. | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Audit Readiness or Secure Users & Authorizations | C1, S2 |
| 20 | + | Administer customer users (e.g. user creation, change, deletion, maintenance of user profiles, | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Secure Users & Authorizations | S2 |
| 38 | BASIC_1.2.18 | roles, authorizations, source data and passwords) | performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Osers & Authorizations | 32 |
| 20 | BASIC_1.2.15 | Maintain user profiles, roles, authorizations, source data and passwords in client 000 | Standard Services | | not applicable | n/a |
| 40 | | Provide access to client 000 for customer | Standard Services Standard Services | Restricted, predefined profile only; limited set of users provided; service provided on request only. | not applicable | n/a |
| 41 | BASIC_1.2.16 | Design / Architecture of Single Sign On (SSO) for systems in cloud landscape | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| | | | | | | |
| 342 | | Implementation of Single Sign On (SSO) for systems in cloud landscape | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| 143 | BASIC_1.2.21 | Provide audit log information to customers | Standard Services | By request only to support incident investigations, but not on a regular basis e.g. to monitor administrative activities. Format, content and procedure used will be determined by SAP and by general security and data protection policies. | ** | n/a |
| 344 | BASIC_1.2.26_AE | Update Global Change parameters and default system settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | | | performed by customer if applicable and if the SAP CAS Service is not used | | | |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|------------------|--|---|---|------------------------|--------------|
| 345 | | | A homogenous system copy is defined either as 1) a new system which is built as copy from an existing system in a landscape within the same data center or hyperscaler platform or 2) a "data refresh" overwriting the database of an already existing system in the landscape within the same data center or hyperscaler platform. | Copies for non-NetWeaver systems is not possible during initial build phase. After initial build phase copies for non- NetWeaver systems need to be evaluated on a case by case basis and is not possible in all cases. | | |
| 346 | BASIC_1.3.01 | Homogeneous system copy (aka System refresh) for non-Netweaver systems during initial build phase. | Excluded Tasks | Only available after initial build phase is complete. | not applicable | n/a |
| 347 | BASIC_1.3.11 | Pre-processing tasks which are not covered by PCA (Post-Copy Automation) - i.e. export customer defined tables with 'old' configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Additional examples of tasks which are not covered by PCA include but are not limited to: saving configuration for HANA remote connections; implementing "Export Customer Defined Configuration Tables" for use in PCA; and transaction screenshots defined by customer. | Application Operations | A1 |
| 348 | BASIC_1.3.10 | Homogeneous system copy - post build phase (Planning, preparations, checks, database backup, database restore, technical post processing tasks, test of technical system functionality) - intra-regional (same region) refresh only | Standard Services | Up to Six (f) refreshes per SID, per contract year, are included; additional refreshes are available as a chargeable request. Only available after initial build phase is complete. Note: copies for non-NetWeaver systems need to be evaluated on a case by case basis and is not possible in all cases. Intra-regional (same region) only (eg. restore a system in region 2 from backup from region 1 is not possible). Extra regional (between region) refreshes are available as an Optional Service. Does not include activities such as data masking, scrambling etc. | | n/a |
| 349 | BASIC_1.3.10A | Homogeneous system copy - post build phase (Planning, preparations, checks, database backup, database restore, technical post processing tasks, test of technical system functionality - Extra-rectional (between regions) refresh | Optional Services | Extra-regional (between region) refreshes are available as an Optional Service. Note: This service is not available in all regions and/or datacenters and is not available from all service providers. Does not include activities such as data masking, scrambling etc. | not applicable | n/a |
| 350 | BASIC_1.3.10_PCE | Homogeneous system copy - additional requests | Additional Service | Request for additional refreshes beyond entitlement noted in BASIC_1.3.10. Available later initial build phase is complete. Note: copies for non-NetWesser systems need to be evaluated on a case by case basis and is not possible in all cases. Intra-regional (same region) only (e.g. restore a system in region 2 from backup from region 1 is not possible). Extra-regional see Optional Service BASIC_1.3.10A. | not applicable | n/a |
| 351 | BASIC_1.3.07 | Post processing tasks e.g. Embedded Search, BDLS - pre-existing systems | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | For existing/live systems | Application Operations | A1 |
| 352 | BASIC_1.3.07A | Post processing tasks e.g. Embedded Search, BDLS - new builds, post migration switch back to main instance | Standard Services | For new builds for brownfield system-copy scenarios | not applicable | n/a |

| Row 353 | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|------------|---------------|--|---|--|-------------------------|--------------|
| 353 354 | BASIC_1.5.13A | Release Management Install new software entities in the system after initial customer handover during Onboarding (applies to e.g. add-ons and other sorts of additional solution packages) | Standard Services | Contractual Change Request (CR) required in case of changed managed service scope or increased infrastructure consumption. | not applicable | n/a |
| 355 | BASIC_1.5.13B | Install new content in the system after initial customer handover during Onboarding (applies to e.g. languages, content packages etc.) | Standard Services | Contractual Change Request (CR) required in case of changed managed service scope or increased infrastructure consumption. | not applicable | n/a |
| 356 | BASIC_1.5.03 | Implement SAP Notes and other types of manual corrections (corrections not provided as software correction package) in managed system (notes and corrections required to fix application related issues) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Fixing issues that fall into the responsibility of the customer per this Roles and Responsibilities document and which are therefore not covered by the respective Standard Service for technical SAP Note implementation are considered "application" related and corresponding 2AP Notes would be applied as defined in this task. This would pytically belong to the application layer and/or presentation layer of the Net/Weaver as well as S/4-stack. SAP Notes which belong to application components like FI, CO etc. are excluded. | Application Operations | A1 |
| 357 | BASIC_1.5.04 | Implement SAP Notes and other types of manual corrections (corrections not provided as software correction package) in managed system (notes required to fix issues related to technical SAP components) | Standard Services | of Provider per the Roles and Responsibility and/or require activities which cannot be performed by customer are considered "schnical" and corresponding SAP notes would be applied as defined in this task. The topic area of the respective note can not) serve as a rough indicator, since only a subset of BC-1 topic areas are covered by the standard service. The two areas, where the service mostly applies are BC-CST and BC-DB. Any post installation tasks required as per the SAP Note in question which is not technical in nature (e.g. application related setting/simanulo dode creation in outsomer namespace) need to be | not applicable | n/a |
| 358 | BASIC_1.5.06 | Implementation of patches for system software running on OS level, e.g. SAP kernel | Standard Services | performed by the customer. May require additional system downtime. | not applicable | n/a |
| 359 | BASIC_1.5.21 | Implement kernel patches using Rolling Kernel Update Service | Standard Services | To keep any adverse effects on business operations to a minimum when importing a new kernel version, instances are restarted one after the other. This means that during this procedure at least one application server instance is always available for business operations. Minimum Eligibility, A minimum of Two (2) application servers are required to execute the service automatically and with minimized system downline. The service can be used as of \$AP kemel release 74 and \$AP B_ASIS equal to or greater har 74G SPS. This service is only for SAP ABAP systems. This service does not include the configuration an additional gateway in the ASCS instance because this cadeway will fall when the ASCS instance is restarted. | not applicable | n/a |
| 360 | BASIC_1.5.09 | implement updates to the managed SAP solution using standard tools and methods | Standard Services | The term "update" denotes the change to a new minor release of the hosted SAP software, typically focused on bug faces and small enhancements. The terminodity of such events differe within the SAP portfolio, however frequently used terms in this context are "patch", "Support Package" and the like; this line item also includes the implementation of SV4HANA Feature Pack Stacks (FPS) but does not include the upgrade of SI4HANA to the next major release; the releases sequence and the categorization of versions for each SAP product is available in the Product Availability Matrix (PAM) in SAP Service Marketplace; if a particular SAP component is not modelled in the PAM, this activity can be considered an "update" of that component unless where explicitly roted; this intelled the users of more applicationed update approaches like PCD (PCD) Downton Marinaston circ. Requires standard scheduling the state of the particular of the particular scheduling of the particular | not applicable | n/a |
| 361 | BASIC_1.5.11 | Implement updates or upgrades to the managed SAP business software - ABAP solution using Zero Downtime Option (ZDO) of SUM which is part of the Maintenance Downtime Minimization Service | Additional Service | The term "update" denotes the change to a new minor release of the hosted SAP software, typically focused on bug fases and small enhancements. The terminodigy for such events differe within the SAP portfolio, however frequently used terms in this context are "patch", "Support Package" and the like; this line item also includes the implementation of SV4HANA Feature Pack Stacks (FPS); the release sequence and the categorization of versions for each SAP product is available in the Product Available line Martix (PAM) in SAP Service Marketplace; Note: any implementation of updates or upgrades may require additional system downtime or pre-requisities for system resources including but not inlined to additional memory, CPU, and a QA or Pre-production system to perform testing and validation. If system resources are not available in the existing customer landscape they will need to be provided via a change request which are not extend to the control of the system resources are not available in the existing customer landscape they will need to be provided via a change request which are not extend to the performed by the customer consequence or memural activities medium of in SAP namespace) need to be performed by the customer. Supported as per SAP Notes 216:3060 and 2707731 - Prerequisites may require the source of zero Deventine Chron Color of SIM for SAP Businesses SIMs and SIA HANA. | not applicable | n/a |
| 362 | BASIC_1.5.11B | Implement updates, upgrades, or system conversion of an SAP-ABAP based system with Near Zero Downtime Maintenance (nZDM) of Software Update Manager (SUM) | Standard Services | The term "update" denotes the change to a new minor release of the hosted SAP software, typically focused on bug fixes and small enhancements. The terminodity of such events differe within the SAP portfolio, however frequently used terms in this context are 'patch', 'Support Package' and the like, this line item also includes the implementation of SV4HANA Feature Pack Stacks (FPS), the release sequence and the categorization of versions for each SAP product is available in the Product Availability Martix (PAM) in SAP Service Marketplace; Note: any implementation of updates, upgrades, or system conversion may require additional system downtime or per-requisite system resources including, but not initiate to additional memory, CPU, and a do a pre-production system to perform testing and validation. If system resources are not available in the existing customer landscape they will need to be provided via a change request (CR) and may reset in additional service fees. Requires mirrial scheduled downtine to implement. Any post installation tasks required which are not technical in nature (e.g. application related setting/simanual code creation in customer namespace or manual activities required in SAP namespace need to be conformed to the costomer. Sucroproduct as per SAP Note | not applicable | n/a |
| 363 | BASIC_1.5.10 | Ongoing maintenance of system languages, e.g. performing language fill-up | Standard Services | 1678565 - Prerequisites, and restrictions of a TDM (near-Zero Downtime Maintenance) for ARAP-hased solutions. Available for systems maintained in an SAP Enterprise Cloud Services (ECS) environment for which SAP is the Service Provider. This service can be requested only after completing a migration by a Partner if applicable. | not applicable | n/a |
| 364 | BASIC_1.1.01 | Version upgrade/update of SAP Software: planning and coordination | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Set not one or explaint on the extension of an extension and an extension of the set of SAP software, typically focused on bug fixes and small enhancements. The terminology for such events differs within the SAP portfulic, however frequently used terms in this context are part of "SAP portfulic providers" of "SAP portfulic providers" of "SAP portfulic providers" of "SAP AP portfulic providers" of "SAP AP AP SAP and SAP and SAP and SAP portfulic providers are set of "SAP AP AP SAP and SAP portfulic providers" of "SAP AP SAP and SAP portfulic providers are set of "SAP AP SAP and SAP portfulic providers" of "SAP AP SAP and SAP portfulic providers are set of "SAP AP SAP and SAP portfulic providers" of "SAP AP SAP AP SAP and SAP and SAP and SAP and SAP and SAP AP SAP | Release Version Upgrade | U3 |
| 365 | BASIC_1.5.07 | Version upgrade of SAP Software: Execute technical upgrade tasks | Standard Services | The term 'version upgrade' denotes the change to a new major release of the hosted SAP software, typically including functional enhancements; besides upgrades this also includes the implementation of SAP Enhancement Packages; the release sequence and the categorization of versions for each SAP product is swallable in the Product Availability Marty (PAM) in SAP Service Marketplace; 3rd Party software excluded, Available for systems maintained in an SAP Enterprise Cloud Services (ECS) environment for which SAP is the Service Marketplace and the service Marke | not applicable | n/a |
| 366 | BASIC_1.5.22 | Version update of SAP Software: Pre- and Post BASIS Tasks | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Service Provider. This service can be requested only after competence aminisation by a Partner if anoticable. The term "update" denotes the change to a new minor release of the hosted SAP software, by picularly focused on bug fixes and small enhancements. The terminology for such events differs within the SAP portfolio, however frequently used terms in this context are patch", "Support Package" and the like; this line lies also includes the implementation of S4HANA Feature Pack Stacks (FPS). The release sequence and the categorization of versions for each SAP product is available in the Product Availability Matrix (PAM) in SAP Service Materialize. | Release Version Upgrade | U3 |
| 367 | BASIC_1.5.22A | Version upgrade of SAP Software: Pre- and Post BASIS Tasks | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Service Materibase. Examples for this service include, run simplification check; unlock objects; remove inactive objects; implement upgrade related notes; run modification adjustment for technical issues. The term 'version upgrade' denotes the change to a new major release of the hosted SAP software, bytically including functional enhancements; besides upgrades this also includes the implementation of SAP Enhancement Packages; the release sequence and the categorization of versions for each SAP product is available in the Product Availability Matrix (PAM) in SAP Service Marketplace). | Release Version Upgrade | U3 |
| 368 | BASIC_1.5.08 | Execute application related technical tasks as part of the continuous Release and Change Management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Release Version Upgrade | U3 |
| 369 | BASIC_1.5.20 | Conversion of SAP ERP and SAP BW systems to SAP S/4HANIA and SAP BW4/HANIA | Additional Service | "Conversion" process denotes the switch or movement from an older hosted SAP ERP software version to an SAP Sid release, and typically involves SAP Readiness Check, Simplification hems Catalog, Business function (dispervision) with bools like SUMMON, Custom code optimization, functional/integration testing etc. This task is limited to services which cannot be performed by the customer e.g. SUM tool, activities in client 00 etc. Overall responsibility for SAP SH4HAN conversion which includes (but not kimited to) SAP Readiness check, simplification items, Maintenance planner, Application tasks, custom code adjustment, functional/integration testing etc. for conversion process is the responsibility of the customer. This line time does not include the usage of more sophisticated update approaches like nZDTIZDOIDownstre Minimization etc. Standard scheduled downstren is required to implement. Any post installation tasks required which is not technical in nature (e.g. application related setingnismatual code creation in customer namespace or manual activities required in SAP namespace, SPAU/SPOD, simplification items etc.) need to be performed by the customer. Depending on complexity of conversion involvement of other SAP services might be required. This service only applies to managed systems. | not applicable | n/a |
| 370 | | Proactive services | | | | |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|-----------------|--|---|--|---|--------------|
| 371 | BASIC_1.7.02 | Prepare SAP service sessions session by maintaining RTCCTOOL | Standard Services | Performed only for productive systems; activities which have to be performed within the customer's SAP Solution Manager are the customer's responsibility. | not applicable | n/a |
| 372 | BASIC_1.7.03 | Analysis of SAP Service Session reports (incl. EarlyWatch Alert) for systems operated in the cloud for findings and recommendations regarding aspects within the service scope of cloud (technical operations) | Standard Services | Performed only for productive systems. | not applicable | n/a |
| 373 | BASIC_1.7.09 | Analysis of SAP Service Session reports (incl. EarlyWatch Alert) for systems operated in the cloud. Provide recommendations for changes related to SAP application (outside technical operations scope of standard service). | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Performed only for productive systems. | Application Operations | A1 |
| 374 | BASIC_1.7.11_AE | Process chain retriggering or cancellation | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operation or Customer Application Monitoring | A1, M2 |
| 375 | | System performance management | | | | |
| 376 | BASIC_1.12.01 | Initial assessment of system performance issues | Standard Services | Service provider performs an initial assessment of identified or reported system performance issues to identify potential root causes. The primary scope of this assessment is to quickly check performance relevant technical building blocks of the service. This may cludde infrastructure, database and technical SAP stack for root causes and based on the result, determine whether the root cause is likely to be technical or application related. | ** | n/a |
| 377 | BASIC_1.12.03 | Troubleshoot SAP system performance issues (technical root causes within cloud service scope) | Standard Services | Based on the result of the initial assessment troubleshooting by service provider is only performed in situations caused by sechrical issues within the service accept and where the system performance lies outside usual and expectable behavior (e.g. as it has shown in the past in comparable load situations). | not applicable | n/a |
| 378 | BASIC_1.12.02 | Performance and Benchmark Service | Additional Service | Includes the definition of performance metrics and measurements against those to identify deviations in system behavior; a detailed service description is available. | not applicable | n/a |
| 379 | BASIC_1.12.05 | Perform load test execution | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Demonstrate the load capabilities of the target SAP system based on the software and hardware configuration. Identify potential scalability bottlenecks with respect to the target environment. Simulation of end user behavior. Maximum 500 concurrent users. | Performance Testing | P1 |
| 380 | BASIC_1.7.06 | Analyze and troubleshoot performance issues (root causes outside service scope and application related root causes) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | In some situations service provider might be able to support the customer using Application Management as a CAS service. | Performance Optimization | P2 |
| 381 | BASIC_1.7.12_AE | Identify the root cause of failing KPIs and define preventive/corrective actions and/or possible countermeasures | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Performance Optimization | P2 |
| 382 | BASIC_1.12.04 | Execute performance tuning | Additional Service | Improve the performance of a system; tuning activities can result in service requests related to other line items in this document, e.g. parameter changes, which are partly covered by the standard service. Performed only for productive systems. | not applicable | n/a |
| 383 | BASIC 1.7.08 | Review and optimize customer code to improve system performance and stability | Excluded Tasks | | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|---------------|---|---|--|--|--------------|
| 384 | | Certificate Handling | | | | |
| 385 | BASIC_1.11.01 | Generate Certificate Signing Request (CSR) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Except LoadBalancers, Web Dispatchers, Data Servicas, SAP Business Technology Platform (formerly SAP Cloud Platform) Integration Data Services Agent, BO and other systems; for these systems service provider will generate the CSR and hand it over to the customer for further processing. | Application Operations | A1 |
| 386 | BASIC_1.11.09 | Generate / Renew / Extend Certificate Signing Request (CSR) for LoadBalancers, Web Dispatchers, Data Services and BO systems | Standard Services | | not applicable | n/a |
| | BASIC_1.11.02 | Send certificate signing request to Certificate Authority | Excluded Tasks | | not applicable | n/a |
| 388 | BASIC_1.11.08 | Create SSL server / client identity with key pair | Standard Services | | not applicable | n/a |
| | BASIC_1.11.04 | System (OS Level) configuration to enable SSL/TLS | Standard Services | | not applicable | n/a |
| 390 | BASIC_1.11.05 | System (Application Level) configuration to enable SSL/TLS | Standard Services | For XA3 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Establish the SSL Connection to SAP Business Technology Platform (formerly SAP Cloud Platform) via TA STRUST. In SAP-owned global account. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | not applicable | n/a |
| | BASIC_1.11.07 | Implement signed certificate for LoadBalancers, Web Dispatchers, Data Services, SAP Business Technology Platform (formerly SAP Cloud Platform) - Data Services Agent and BO systems | Standard Services | Related to Fiori enablement only. Customer has to provide signed certificates | not applicable | n/a |
| 392 | BASIC_1.11.10 | Implement other signed certificate to managed system | Standard Services | Related to Fiori enablement only. Other than LoadBalancers, Web Dispatchers, Data Services, SAP Business Technology Platform (formerly SAP Cloud Platform) - Data Services Agent, BO, and other systems. | not applicable | n/a |
| | BASIC_1.11.06 | Monitor validity period of certificates | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Customer to provide URL for certificate check (e.g. FLP). Manual monitoring; effort based per execution. | Application Monitoring or Customer Application Monitoring | M1, M2 |
| 394 | BASIC_1.11.11 | Add or Renew of SSL certificate | Standard Services | | not applicable | n/a |
| 395 | BASIC_1.11.12 | Renewal of Expiring Certificates | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | For new SAP standard certificate in strust only. | Application Monitoring or Customer Application Monitoring | M1, M2 |
| 396 | | Disaster Recovery | | | | |
| | BASIC_1.9.01 | Implement disaster recovery set-up according to architecture blueprint and contractual specifications. Test managed service internal data center and technical system infrastructure. | Optional Services | Performed only for productive systems; only included in service if disaster recovery solution is part of the contract/SOW/Order Form. Managed landscape internal testing requires additional downtime. | not applicable | n/a |
| | BASIC_1.9.02 | Develop and use disaster recovery procedures for database and file system replication only | Optional Services | Performed only for productive systems; only included in service if disaster recovery solution is part of the contract/SOW/Order Form. | not applicable | n/a |
| 399 | BASIC_1.9.03 | Ongoing management of disaster recovery architecture: monitoring of data replication to secondary site including troubleshooting | Optional Services | Performed only for productive systems; only included in service if disaster recovery solution is part of the contract/SOW/Order Form. | not applicable | n/a |
| 400 | BASIC_1.9.04 | Ongoing management of disaster recovery architecture: maintenance and change management for systems at secondary site to ensure system consistency including troubleshooting | Optional Services | Performed only for productive systems; only included in service if disaster recovery solution is part of the contract/SOW/Order Form. | not applicable | n/a |
| 401 | BASIC_1.9.05 | Develop and maintain disaster recovery procedures for those areas and aspects of the service which are in customer responsibility | Excluded Tasks | Included customer infrastructure, connectivity to managed system interfaces (including RFC connections, connection details in other integrated systems), organizational measures and processes etc. | not applicable | n/a |
| 402 | BASIC_1.9.06 | Execute failover during disaster recovery test (DB, application and cnames) | Optional Services | Note: This Service is not applicable for Short Distance DR offering, HADR architecture scenarios, DB insershupdates/deletes don't during testing will be lost. Performed only for productive system: on request, maximum One (1) for cellandar year (any further test will be charged as billable service); only included in service if disaster recovery solution is part of the contract/SOW/Order Form; customer is responsible for creation and execution of functional tests and oustomer must support in certain technical aspects, e.g. regarding interfaces, connectivity etc. | not applicable | n/a |
| 403 | BASIC_1.9.10 | Execute failover during disaster recovery test (DB, application and cnames) - additional test | Additional Service | Note: This Service is not applicable for Short Distance DR offering, HADR architecture scenarios; DB inserts/updates/deletes done during testing will be lost. Performed only for productive system; on request; maximum One (1) per calendar year (any further test will be charged as billade service); only included in service if dissest recovery solution is part of the contract/SOW/IOPder Form; customer is responsible for creation and execution of functional tests and customer must support in certain technical aspects, e.g. regarding interfaces. connectivity etc. | not applicable | n/a |
| 404 | BASIC_1.9.09 | Execute online disaster recovery tests (data center and technical system infrastructure only); primary systems remain accessible | Additional Service | Note: This Service is not applicable for Short Distance DR offering, HA/DR architecture scenarios; Not available on all Hyperscalers. Also known as fencing. Performed only for productive system; on request; only possible to be delivered if disaster recovery solution is part of | not applicable | n/a |
| 405 | BASIC_1.9.07 | Execute productive failover in case of an officially declared disaster by service provider - all HA/DR architecture scenarios | Optional Services | the contract/SOW/Coder Form: customer must succord in certain technical assects, e.g., reparation interfaces, connectivity etc. Note: This Service is not applicable for long distance PR. True disaster decidantion for all HAPG architecture scenarios or Short Distance DR. "Disaster's hall describe a cutastrophic event causing widespread damagedestruction, typically not restricted to one individual system or landscape but large parts of the overall infrastructure, reherdroe disaster recovery is no measure to overcome outages of isolated systems due to hardware or software incidents; performed only for productive systems; only included in service if disaster recovers solution is and the contract/SDW/Order Form | not applicable | n/a |
| | BASIC_1.9.11 | Mixed High Availability (HA)/Disaster Recovery (DR): Execute productive failover for a specific SID and invert replication vector | Optional Services | Note: This Service is applicable for long distance DR; full productive failower, For Wised HADR architecture. Not available on all hypercalers. Note: This Service is applicable for long distance DR; full productive failower, For Wised HADR architecture. Not available on all hypercalers. Note in the contract place of the productive fail or the contract place of the productive fail or the contract place of the contra | not applicable | n/a |
| | BASIC_1.9.12 | Mixed High Availability (HA)/Disaster Recovery (DR): Execute productive failover for a specific SID and invert replication vector - additional customer requests | Additional Service | Note: This Service is not applicable for long distance DR; Full productive failower. For Mixed HADR architecture. Not available on all hyperscalers. Maximum of One (1) Hu-lycie, acustomer quested failower per calendar year, per SD is included (File) Fig. Pip. Failower which are the result of SAP-declared disasters do not count against maximum. Additional customer requested failowers are billable. Only included in service of disaster recovery solution is and roll the contract/SDV/Gref Form. | not applicable | n/a |
| 408 | | Operations Extension | These services provide possible extensions to areas of Incident, Change and Event Management beyond the standard scope of services. | | | |
| | BASIC_1.15.01 | Incident Management: Troubleshoot technical/non-functional incidents not included in Standard Services as per R&R Definition | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Only available for managed systems. | Application Operations | A1 |
| | BASIC_1.15.02 | Change Management: Changes of technical system configuration not included in Standard Services as per R&R Definition | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Only available for managed systems. | Application Operations | A1 |
| 411 | BASIC_1.15.03 | Event management: Monitor technical/non-functional event types not included in Standard Service as per R&R Definition | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Only available for managed systems. | Application Operations | A1 |
| 412 | BASIC_1.15.04 | Service Request Fulfillment: Perform Service Request Fulfillment for technical/non-functional task not included in Standard Service as per R&R Definition | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Only available for managed systems. | Application Operations | A1 |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|----------|--------------------|--|--|---|---|--------------|
| 413 | | E - NetWeaver Operations (ABAP and JAVA) | Depending on technical conditions some tasks listed in this section are applicable | TSOTILITIO. | | |
| 414 | | | to only one of the two platforms (NW ABAP or NW JAVA). | | | 4 |
| | O_NWABAP_1.1.04 | General NetWeaver Operations Analyze SAP system log and fix technical failures included in scope of services | Standard Services | May require customer assistance. | not applicable | n/a |
| 440 | | Monitor update processes within SAP software to avoid system operations issues | | Service provider informs customer of update process problems; RCA methods provided by SAP Enterprise Support may be used to find | | n/a |
| 117 | O_NWABAP_1.1.06 | Analyze update terminations, determine business impact and appropriate action | Standard Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | application related root causes for updates. With regards to application issues and impact. | Application Operations | Δ1 |
| | O_NWABAP_1.1.07 | | performed by customer if applicable and if the SAP CAS Service is not used. | with regards to application issues and impact. | | 711 |
| | O_NWABAP_1.1.08 | Clean up terminated updates | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | | A1 |
| 419 T | O_NWABAP_1.1.10 | Analyze lock entries, determine business impact and appropriate action | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 420 T | O_NWABAP_1.1.11 | Check/clear lock entries | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 421 T | O_NWABAP_1.1.12 | Check for ABAP dumps to detect serious system issues | Standard Services | Service provider informs customer in the event of serious application related issues that need to be resolved by the customer. Dumps relevant to provider's responsibility will be resolved by provider. | not applicable | n/a |
| 422 T | O_NWABAP_1.1.22 | Regular ABAP dump check and classification | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Including application related dumps. | Application Operations | A1 |
| 423 T | O_NWABAP_1.1.23 | Analyze SAP application log and provide recommendations on fixing failures | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 424 T | O_NWABAP_1.1.24 | Reorganize qRFC/tRFC queues | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 425 T | O_NWABAP_1.1.25 | Regularly check fastest growing tables in the SAP system and provide recommendations for archiving or reorganization | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Data Lifecycle Management or Data Volume | A1, D3, D6 |
| 426 T | O_NWABAP_1.1.13 | Administer SAP Logon Groups | Standard Services | The customer may perform this activity; if service provider is requested to perform the task, the design/definition must be provided by | Optimization not applicable | n/a |
| 427 T | O_NWABAP_1.1.26 | Create/Update/Change the System-PSE (Personal Security Environment) | Standard Services | customer. Customers may decide to perform this task themselves for convenience. | not applicable | n/a |
| | O_NWABAP_1.1.16 | Implement/update tools to ensure readiness for SAP support services | Standard Services | | | n/a |
| 400 | O_NWABAP_1.1.20 | Define archiving strategy | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | | D3 |
| 430 T | O_NWABAP_1.1.21 | Execution and monitoring of archiving process | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | increased infrastructure consumption is subject to a CR and additional service fees. Manual monitoring: effort based per execution. This task is only for execution of the archiving programs. The archiving set-up, retention configuration, investigate / troubleshooting of the unarchivable forcuments/birbiest is unstorner's reponsibilities. | Data Lifecycle Management | D3 |
| 431 T | O_NWABAP_1.1.17 | Manage Web Service Runtime (WSRT) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 432 T | O_NWABAP_1.1.18 | Configure technical RFC connections (TA SM59) to central systems managed by SAP used for system operations | Standard Services | Technical RFC connection = generic RFC connection required for all managed system based systems the same way, e.g. for monitoring configuration. | not applicable | n/a |
| 433 T | O_NWABAP_1.1.19 | Configure RFC connections (TA SM59) to technical systems managed by the customer and any application-related RFC connection | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 434 T | O_NWABAP_1.1.27_AE | Termination of User activity related to identified expensive statement | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 435 T | O_NWABAP_1.1.28_AE | Temporary change of heap or extended memory allocation using RSMEMORY | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 436 T | O_NWABAP_1.1.29_AE | Termination of dialog work processes | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 437 T | O_NWABAP_1.1.30_AE | ICM service restart on Non-responsive situation or post SSL certificate renewal | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 438 T | O_NWABAP_1.1.31 | Work process cancellation; Optimization of Batch Jobs load post analysis | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Monitoring or Customer Application Monitoring | M1, M2 |
| 439 T | O_J2EE_1.1.01 | Troubleshoot SAP J2EE in case of technical issues | Standard Services | For technical issues only, application related problems must be resolved by the customer. | not applicable | n/a |
| 440 | O_J2EE_1.1.02 | SAP J2EE: adjust/configure Java applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 441 | | SAP Client Operations | The state of the s | | | |
| 442 | O_NWABAP_1.2.01 | Copy client within one SAP System (including analysis and resolution of technical issues) | Standard Services | 500GB upper limit, above that threshold, only system copies are performed because of technical restrictions. Available for systems maintained in an SAP Enterprise Cloud Services (ECS) environment for which SAP is the Service Provider. This service can be recuested only after completion a migration by a Partner if apolicable. | not applicable | n/a |
| 443 T | O_NWABAP_1.2.06 | Delete client within one SAP System (including analysis and resolution of technical issues) | Standard Services | Available for systems maintained in an SAP Enterprise Cloud Services (ECS) environment for which SAP is the Service Provider. This service can be requested only after comoleting a migration by a Partner if applicable. | not applicable | n/a |
| 444 T | O_NWABAP_1.2.02 | Perform client export/import or remote client copy between SAP systems (including analysis and resolution of technical issues) | Standard Services | 50GB upper limit, above that threshold, only system copies are performed because of schricial restrictions. Does not include activities such as data making, scarmbling lest, valuable for systems maintained in an ASP Enterprise Clud Services (EGS) environment for which SAP is the Service Provider. This service can be requested only after completing a migration by a Partner if applicable. | not applicable | n/a |
| 445 T | O_NWABAP_1.2.07 | Pre-processing tasks, i.e. suspend jobs, lock users, export tables with 'old' configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 446 T | O_NWABAP_1.2.08 | Post processing tasks, i.e. Enterprise Search, Fiori Launchpad, unlock user, release jobs) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 447 T | O_NWABAP_1.2.05 | Investigate and resolve application related issues (e.g. with certain database tables and fields) | Denotined by describe in abolicable and in the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 448 | | Interface Administration | DESCRIPTION OF CONTROL | | | |
| | O_NWABAP_1.3.24 | Create, execute, monitor, and troubleshoot batch input sessions | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Application Operations | A1 |
| 450 T | O_NWABAP_1.3.25 | Configure interface related functions (e.g. IDOCs, interface scripts and jobs, qRFC/RFC/bqRFC, ALE scenarios etc.) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 451 T | O_NWABAP_1.3.26 | Monitoring of interfaces and interface related functions | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Application Monitoring or Customer Application Monitoring | A1, M1, M2 |
| | | | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Performed for Fiori launchpad enablement only. | Application Operations | + |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|-------------------|--|---|--|---|--------------|
| 453 | | Job Scheduling | | | | |
| 454 | TO_NWABAP_1.4.09 | Schedule (via SM36> standard jobs), check and monitor standard SAP system batch jobs to facilitate best-practice housekeeping of SAP system | Standard Services | Per SAP guidelines as defined in SAP Note 16083; additional SAP standard jobs to be reviewed and agreed with customer. | not applicable | n/a |
| 455 | TO_NWABAP_1.4.14 | Define production job schedule and dependencies based on business requirements | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 456 | TO_NWABAP_1.4.15 | Administer application batch jobs: - Monitor jobs - Troubleshoot according to troubleshooting handbook | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Application Monitoring or Customer Application Monitoring | A1, M1, M2 |
| 457 | | Transport Management | | | | |
| 458 | TO_NWABAP_1.5.10 | Create and maintain transport domain in client 000 and transport directory | Standard Services | Migrating the transport method from HTC to HTA is not included in this task. Limited to a default setup. Customer specific domains or configurations not included. | not applicable | n/a |
| | | Initial set-up of SAP transport management system (TMS) and configure transport routes | Standard Services | Limited to a default setup. Customer specific domains or configurations not included. | not applicable | n/a |
| 460 | TO_NWABAP_1.5.16 | Copy and delete SAP Transport cofiles and data files | Standard Services | | not applicable | n/a |
| | TO_NWABAP_1.5.11 | Initial maintenance of SAP transport management system after system build | Standard Services | | not applicable | n/a |
| 462 | TO_NWABAP_1.5.11A | Maintain SAP transport management system incl. configuration of transport routes and any further configuration (automatic import, scheduled import etc.) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Release Planning & Execution | A1, U2 |
| 463 | TO_NWABAP_1.5.12 | Initial configuration of Transport-based correction instructions (TCI) in client 000 | Standard Services | Limited to a default setup. Customer specific domains or configurations not included. | not applicable | n/a |
| 464 | TO_NWABAP_1.5.13 | Implement SAP Note Transport-based correction instructions (TCI) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 465 | TO_NWABAP_1.5.01 | Set-up of CTS+ | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations or Solution Manager - ChaRM | A1, U4 |
| 466 | TO_NWABAP_1.5.02 | Transfer and release of transport orders | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Before importing critical transports the customer should inform service provider and perform the transport as a scheduled activity. | Application Operations or Release Planning & Execution | A1, U2 |
| 467 | TO_NWABAP_1.5.03 | Execute transports to move objects between SAP systems | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Release Planning & Execution | A1, U2 |
| 468 | TO_NWABAP_1.5.04 | Troubleshoot SAP Transport Management System | Standard Services | Only for technical transport problems, not related to problems due to the content of the transports, e.g. locked objects. | not applicable | n/a |
| 469 | TO_NWABAP_1.5.08 | Adjust repository objects as part of software changes | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Execution of adjustments in SPDD/SPAU for SAP objects. Customer objects in SPDD/SPAU require customers decision during execution. | Release Version Upgrade | U3 |
| 470 | TO_NWABAP_1.5.14 | Set-up and configuration of CHaRM in SAP Solution Manager | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Solution Manager - ChaRM | U4 |
| 471 | TO_NWABAP_1.5.09 | Testing and acceptance of object changes | Excluded Tasks | | not applicable | n/a |
| 472 | | Output Management | | | | |
| 473 | TO_NWABAP_1.7.01 | Create, change and delete printers within SAP solution | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Service provider would only support printer types contained in SAP published guidelines. | Application Operations | A1 |
| 474 | TO_NWABAP_1.7.02 | Analyze faulty output requests (transaction SP01) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 475 | TO_NWABAP_1.7.03 | Reorganize SAP spool system to keep system clean | Standard Services | Via SAP standard batch job. | not applicable | n/a |
| 476 | TO_NWABAP_1.7.04 | Design and implementation of print forms | Excluded Tasks | | not applicable | n/a |
| 477 | TO_NWABAP_1.7.05 | Lock/unlock SAP printers | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 478 | TO_NWABAP_1.7.06 | Check spooler table consistency to prevent printing issues | Standard Services | Via SAP standard batch job. | not applicable | n/a |
| 479 | TO_NWABAP_1.7.07 | Configure virtual spool (load balancing between spool processes) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 480 | TO_NWABAP_1.7.08 | Troubleshoot technical spool- and print-problems (within the SAP system) | Standard Services | Problems caused outside the SAP system/solution scope must be solved by the customer. | not applicable | n/a |
| 481 | TO_NWABAP_1.7.09 | Local printing and support | not offered | | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|------------------|--|--|---|----------------|--------------|
| 82 | | F - Server Provisioning (aka laaS) | Service to provide server platform, e.g. to install and run non-SAP applications | | | |
| | | | (laaS); this section does not apply to server infrastructure used to run the | | | |
| | | | managed SAP system landscape. Infrastructure related services may be different | | | |
| | | | depending on deployed infrastructure platform (e.g. Hyperscaler). | | | |
| 33 | | Security Planning | | | | |
| 34 | TO_SPROV_1.4.01 | Provide application communication requirements | Excluded Tasks | | not applicable | n/a |
| 85 | TO_SPROV_1.4.02 | Determine communication and security requirements | Excluded Tasks | | not applicable | n/a |
| 86 | TO_SPROV_1.4.03 | Create and maintain security policies | Excluded Tasks | | not applicable | n/a |
| 87 | TO_SPROV_1.4.04 | Determine security strategy and implementation plans | Excluded Tasks | | not applicable | n/a |
| 88 | TO_SPROV_1.4.05 | Monitor and assess security strategies | Excluded Tasks | | not applicable | n/a |
| 89 | | Hardware Operations | | | | |
| 190 | TO_SPROV_1.5.03 | Plan and conduct cloud infrastructure maintenance | Standard Services | | not applicable | n/a |
| 91 | | Server Management | | | | |
| 192 | TO_SPROV_1.6.11 | Sizing of server infrastructure | Excluded Tasks | Virtual machines provided as specified in the SOW/Order Form; customer must ensure that sizing is accurate and provided VMs fulfil the | not applicable | n/a |
| | | | | requirements of the intended use case. | | |
| 193 | TO_SPROV_1.6.01 | Provide server infrastructure | Standard Services | | not applicable | n/a |
| | TO_SPROV_1.6.02 | Provide licenses for OS | Standard Services | Licenses will be provided and charged by provider | not applicable | n/a |
| 95 | TO_SPROV_1.6.03 | Install basic operating system | Standard Services | Supported OS: SUSE LINUX and MS Windows Server (most up-to-date versions). | not applicable | n/a |
| | TO_SPROV_1.6.04 | Install OS patches and security updates | Excluded Tasks | Server will be shipped with the latest available security patch level, after hand over customer is responsible for updates. | not applicable | n/a |
| | TO_SPROV_1.6.05 | Install antivirus software and patterns updates | Excluded Tasks | Customer is responsible for Antivirus installation and virus pattern updates on a daily basis. | not applicable | n/a |
| 198 | TO_SPROV_1.6.06 | Antivirus software licenses | Excluded Tasks | | not applicable | n/a |
| | TO_SPROV_1.6.07 | Perform scheduled startup/shutdown of hardware | Standard Services | Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). | not applicable | n/a |
| 000 | TO_SPROV_1.6.08 | Restart the hardware after failure | Standard Services | Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). | not applicable | n/a |
| 501 | TO_SPROV_1.6.09 | Monitor hardware on hypervisor level | Standard Services | Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). | not applicable | n/a |
| 02 | TO_SPROV_1.6.10 | Monitor operating system of provided OS instances | Excluded Tasks | | not applicable | n/a |
| 03 | | Storage Management | | | | |
| 04 | TO_SPROV_1.7.01 | Initial set-up and ongoing management of storage | Standard Services | Storage capacity will be provided as contracted based on customer specifications; technical limitations for storage volume that can be | not applicable | n/a |
| | | | | provided under this service apply (details specified in the respective service description). | | |
| 505 | TO_SPROV_1.7.02 | Manage data files/file systems | Excluded Tasks | | not applicable | n/a |
| 606 | | Request storage area size/ size extensions for the backup storage area. Select and execute | | | not applicable | n/a |
| | TO_SPROV_1.7.03 | backup according to application/ customer needs and store backup data into the designated | Excluded Tasks | | | |
| | | backup storage area. Ensure housekeeping of the backup storage area. | | | | |
| 07 | | Provide an NFS or SMB share as backup storage area to allow storage of customer defined | | | not applicable | n/a |
| ٠, | TO_SPROV_1.7.04 | backups. Backup storage area sizing is done based on customer input as contracted. | Standard Services | | not applicable | 100 |
| 608 | | Mount of file system from managed server to an laaS server | | Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). Applicability to a given | not applicable | n/a |
| | TO_SPROV_1.7.06 | | Standard Continue | customer landscape needs to be checked with the respective SAP Account Manager; customers must not execute tasks using this mount | | |
| | TO_SPROV_1.7.06 | | Standard Services | that put a risk to performance or stability of the managed cloud infrastructure (e. g. network services, large volume data syncs etc.). | | |
| | | | | | | |
| | TO_SPROV_1.7.05 | Scale storage capacity | Optional Services | | not applicable | n/a |
| 10 | | Application Management | | | | |
| 11 | TO_SPROV_1.8.01 | Define application requirements | Excluded Tasks | | not applicable | n/a |
| | TO_SPROV_1.8.02 | Provide customer specific software licenses | Excluded Tasks | Customer must make sure that they hold valid licenses to run the installed software in the cloud environment. | not applicable | n/a |
| | TO_SPROV_1.8.03 | Install application | Excluded Tasks | | not applicable | n/a |
| | TO_SPROV_1.8.04 | Operate application | Excluded Tasks | | not applicable | n/a |
| 515 | TO_SPROV_1.8.05 | Install patches and security updates | Excluded Tasks | Customer is responsible for software lifecycle management. | not applicable | n/a |
| 516 | TO_SPROV_1.8.06 | Application monitoring | Excluded Tasks | | not applicable | n/a |
| 517 | | laaS VM Snapshot (offline image backup) | | | | |
| 518 | TO_SPROV_1.10.01 | Service Set-up | Optional Services | | not applicable | n/a |
| 519 | TO_SPROV_1.10.02 | Request additional storage for copy of block device | Excluded Tasks | This Volume (additional storage) needs to be provisioned to accommodate the block device backup temporarily before moving it to the | not applicable | n/a |
| | TO_SPROV_1.10.02 | | EXCUUSED 185KS | standard backup solution. | | |
| 20 | | Snapshot of laaS | | Infrastructure related services may be different depending on deployed infrastructure platform (e.g. Hyperscaler). Performed on customer | not applicable | n/a |
| | TO_SPROV_1.10.04 | | Optional Services | request only; shutdown, rsync block device and copy to the standard backup solution. Maximum of Two (2) snapshots per month. | | |
| | | | | Minimum duration of Three (3) months required for snapshot service and storage (if required). Any storage required can be extended | | |
| | TO ODDOV 440.07 | Part Control of the C | | through the contract duration. | | |
| | TO_SPROV_1.10.05 | Restart server and inform customer | Optional Services | After successful restart of VM, inform customer and update the ticket. | not applicable | n/a |
| 22 | TO_SPROV_1.10.06 | Start required applications on server | Excluded Tasks | Customer needs to make sure that applications are started after the snapshot operation. | not applicable | n/a |
| 23 | | Disaster Recovery | | | | |
| 24 | TO_SPROV_1.9.01 | Provide VM and related storage in the secondary data center | Optional Services | Only for those laaS servers explicitly specified in the contract as relevant for DR. | not applicable | n/a |
| 25 | TO 00000V 4 0 00 | Set-up application on the dedicated VM in the secondary data center. Configure file | | | not applicable | n/a |
| | TO_SPROV_1.9.02 | system replication between primary and the secondary data center across the customer WAN | Excluded Lasks | | | |
| | l | network. Monitor the replication status and perform necessary operation activities. | | | | |

| Row Ide | ntifier Task | Responsibility | Remarks | CAS Package | Package Code |
|----------------|--|--|---------|-----------------------------|--------------|
| 526 | G - Cloud Application Services | | | | |
| 527 | Cloud Application Services - Reactive Services | Only available for managed systems. Service delivery requires initial scoping for | | i. | |
| | | relevant application area before tasks can be delivered; transition to service | | | |
| | | execution may apply. | | | |
| 528 CAS_1.1.01 | Incident Management: Troubleshoot functional incidents in SAP applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| CA3_1.1.01 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 529 CAS_1.1.02 | Problem Management: root cause analysis and resolution of problems in SAP applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| CA3_1.1.02 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 530 CAS_1.1.03 | Service Request Fulfillment: Perform Service Request Fulfillment for functional tasks in SAP | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| CA3_1.1.03 | applications | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 531 CAS_1.1.04 | Event Management: Monitor functional event types in SAP applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| CA3_1.1.04 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 532 CAS_1.1.05 | Change Management: Changes of functional configuration in SAP applications | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 533 | Cloud Application Services - Proactive Services | | | | |
| 534 CAS_1.2.01 | Continuous Operations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| CA3_1.2.01 | * | performed by customer if applicable and if the SAP CAS Service is not used. | | · | |
| 535 CAS_1.2.02 | Extended Application Security Operations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| OA0_1.2.02 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 536 CAS_1.2.03 | Managed Operations Control Center | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| OA0_1.2.03 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 537 CAS_1.2.05 | Deployment Management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 538 CAS_1.2.06 | Operations Improvement | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 539 CAS_1.2.07 | Business Improvement | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 540 CAS_1.2.08 | Data Integration and Lifecycle Management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| _ | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 541 | Testing Services | | | | |
| 542 CAS_2.1.01 | Provide detailed plan for test management execution | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Regression Testing | U1 |
| OA5_2.1.01 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 543 CAS_2.1.02 | Perform manual tests based on defined test cases and report issues and defects | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Regression Testing | U1 |
| _ | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 544 CAS_2.1.03 | Configure the Test Suite in SAP Solution Manager | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Regression Testing | U1 |
| _ | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 545 | Security Services | | | | |
| 546 CAS_2.2.01 | Execute Segregation of Duty check and provide report of risk assessment and | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Segregation of Duties Check | S3 |
| OA3_2.2.01 | recommendations for improvement | performed by customer if applicable and if the SAP CAS Service is not used. | | _ · - | |

| Row Identifie | | Responsibility | Remarks | CAS Package | Package Code |
|--------------------|--|--------------------|---|----------------|--------------|
| 547 | H - SAP S/4HANA Movement Program | | | | |
| 548 | Technical Services | | | | |
| MOVE_1.1.01 | SAP S/4HANA Technical Roadmap Service | Standard Services | Service can only be applied to the ECC landscape indicated in the contract. Includes review of system landscape, software component, OS, and DB version. A virtual session with the customer will be provided to: present the benefits and drawbacks of the conversion scenario versus as Creenfield scenario; Carlary architectural and functional changes, and review preparation tasks. | not applicable | n/a |
| MOVE_1.1.02 | SAP Readiness Check for SAP S/4HANA | Standard Services | Service can only be applied to the ECC landscape indicated in the contract. Includes implementation of SAP Residenses Check for SAP S/HANAN. Notes in the corresponding system and penetration of the required files with subsequent handower of the export file to the customer. Customer must submit the request for SAP Readiness Check report and dishboard generation or SAP will perform this on behalf of the customer. Tarrest scenario for this service is an SAP S/HANAN convension from SAP ECC system. | not applicable | n/a |
| MOVE_1.1.03 | Custom Code Analysis - Setup | Standard Services | The service can only be applied during an ECC to SAP S/4HANA conversion or upgrade of a SAP S/4HANA solution landscape. The entire ERP system landscape is evaluated to determine the right approach to provide the setup for a custom code analysis. Required SAP Notes will be implemented. Based on the determined approach, at the end of the service, the customer will be handed over a functional SAP S/4HANA custom code analysis setup in the local S/4HANA system, Remote Central ATC system, or the Custom Code Mioration App. | not applicable | n/a |
| 552 MOVE_1.1.04 | SAP Signavio Process Insights | Standard Services | Service can only be applied to the ECC landscape indicated in the contract. Includes implementation of the technical prerequisites for SAP Signavio Process Insights in the corresponding system; and generation of the ZIP file with hand over to customer. | not applicable | n/a |
| MOVE_1.1.05 | SAP Innovation and Optimization Pathfinder | Standard Services | The service can only be applied to the ECC or SAP SVHANA landscape indicated in the contract. Includes implementation of the technical prerequisites for SAP Innovation and Optimization Pathinder in the corresponding system; and generation of the LZP file with hand over to customer. Target scenario for this service is an ECC-to-ECC or SAP SVHANA upgrade. No conversion from ECC to SV4. | not applicable | n/a |
| MOVE_1.1.06 | SAP Readiness Check for SAP S/4HANA upgrades | Standard Services | The service can only be applied to the SAP S/4HANA landscape indicated in the contract. Includes implementation of SAP Readiness Check for SAP S/4HANA upgrades Notes in the corresponding system and generation of the required files with subsequent handover of the export file to the customer. Usustomer must submit the request for SAP Readiness Check report and dashboard generation or SAP will perform this on behalf of the customer. Target scenario for this service is an SAP S/4HANA upgrade. | not applicable | n/a |
| 555 MOVE_1.1.07 | SAP Readiness Check for SAP BW/4HANA | Standard Services | The service can only be applied to the SAP BWI landscape indicated in the contract. Includes implementation of SAP Readiness Check for SAP BWIHANA Notes in the corporating system an generation of the required files with basequent handover of the apport file to the customer. Customer must submit the request for SAP Readiness Check report and dashboard generation or SAP will perform this on behalf of the customer. Transit sensoring for this service is an SAP BWIHANA convension from SAP BWI system. | | n/a |
| 556 | Functional Services | | | | |
| 557 MOVE_1.2.01 | SAP S/4HANA Functional Roadmap Service | Additional Service | The service can only be applied during an ECC to SAP S/HANA conversion or upgrade of a SAP S/HANA solution landscape. Includes review and impact analysis or relevant simplification item from the SAP Readiness Check for SAP S/HANA (upgrade); evaluation of effort for item handling for high prioritized and uncategorized items; discussion of the action plan for high prioritized items; and evaluation of an action plan for uncategorized items. | not applicable | n/a |
| 558 MOVE_1.2.02 | SAP S/4HANA Custom Code Analysis | Additional Service | The servince can only be applied during an ECC to SAP S/4HANA conversion or upgrade of a SAP S/4HANA solution landscape, includes review of the Custom Code Impact analysis results (out of ABAP Test Cockpit or Custom Code Migration App) for a SAP S/4HANA conversion or an upgrade, evaluation of the results, and remediation approach. | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|----------|------------|--|---|--|----------------|--------------|
| 559 | | X1 - 3rd Party Software | | | | |
| 560 | | 3rd Party Software (e.g. partner add-ons, libraries, client software; not applicable to solutions explicitly shown as managed service in other sections of this document and the contract for the customer). | Customer must ensure proper licensing of the respective 3rd party software allowing its usage in the managed system; 3rd party software in the context of the managed system is defined as any software solution for which the intellectual property is not owned by SAP; the technical and operational compatibility of every 3rd Party Solution with SAP has to be individually checked by the customer; service provider will not take responsibility for regularize effects on the underlying system and infrastructure platform managed by service provider which are caused by any such 3rd Party Solution. | | | |
| 561 | | Managed 3rd Party ABAP add-ons | For selected 3rd party NW ABAP add-ons which are listed on the SAP license price list offers a lightweight managed service, which only includes installation of the add-on and subsequent updates; the list of supported solutions is subject to change; supported add-on needs to be explicitly specified in the cloud contract. | | | |
| | 'A_1.1.01 | Installation | Standard Services | | not applicable | n/a |
| | 'A_1.1.02 | Configuration | Excluded Tasks | | not applicable | n/a |
| 564 TO_P | 'A_1.1.03 | Application monitoring | Excluded Tasks | | not applicable | n/a |
| | 'A_1.1.04 | Apply updates | Standard Services | | not applicable | n/a |
| | A_1.1.05 | Application troubleshooting including engagement with the partners support organization | Excluded Tasks | | not applicable | n/a |
| | 'A_1.1.06 | Uninstallation of ABAP Add-ons | Standard Services | | not applicable | n/a |
| 568 | | Unmanaged 3rd Party ABAP add-ons | | | | |
| 569 TO_P | 'A_1.2.01 | Installation | Excluded Tasks | | not applicable | n/a |
| | 'A_1.2.02 | Configuration | Excluded Tasks | | not applicable | n/a |
| 571 TO_P | 'A_1.2.03 | Application monitoring | Excluded Tasks | | not applicable | n/a |
| 572 TO_P | 'A_1.2.04 | Apply updates | Excluded Tasks | | not applicable | n/a |
| 573 TO_P | 'A_1.2.05 | Application troubleshooting including engagement with the partners support organization | Excluded Tasks | | not applicable | n/a |
| 574 | | Other unmanaged 3rd Party Software | Any type of 3rd party software which is requested to be installed in total or in parts on the managed infrastructure is subject to prior evaluation. Details of this process and conditions are documented in the respective 3rd party software policies. | | | |
| 575 TO_P | 'A_1.3.01 | 3rd party software evaluation | Standard Services | This task can take several weeks to be completed. Results of previously completed evaluations will be reused and lead to lower process | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|--|---|--|--|--|--|--|
| 576 | identillei | X2 - Business Connector | Responsibility | Remarks | CAS Package | Package Code |
| 577 | | Operations | | | | |
| 578 | TO DO 4404 | Reorganization of Message Store | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | TO_BC_1.1.04 | | performed by customer if applicable and if the SAP CAS Service is not used. | | 77 | |
| 579 | | X4 - SAP Data Services (DS) | | | | |
| 580 | | Operations | | | | |
| 581 | TO_DS_1.1.22 | Authorization - Users and Rights Management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | 10_00_11122 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 582 | TO_DS_1.1.06 | Create/Modify Data Services jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| E02 | | Schedule Data Services jobs | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | Δ1 |
| 583 | TO_DS_1.1.07 | Scriedule Data Services jobs | performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | AI |
| 584 | | Configure database connections | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | TO_DS_1.1.08 | <u> </u> | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 585 | TO_DS_1.1.09 | Monitor jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Manual monitoring; effort based per execution. | Application Operations | A1 |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| | TO_DS_1.1.10 | Repository backup DS and BOE | Standard Services | | not applicable | n/a |
| 587 | TO_DS_1.1.11 | Delete batch job history | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 588 | TO_DS_1.1.12 | Verify that job and access servers are running | Standard Services | | not applicable | n/a |
| | TO_DS_1.1.12 | Remove obsolete repository contents | Standard Services Standard Services | | not applicable | n/a |
| 590 | | Troubleshoot issues with DS Jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 550 | TO_DS_1.1.14 | Troublest to seed that be seed | performed by customer if applicable and if the SAP CAS Service is not used. | | , ppilodion operations | / |
| 591 | TO_DS_1.1.23 | Create/Manage additional repositories | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | System comes with default repositories. OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| | | · · | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| | | Backup: On-Demand - BI Database and File Repo Sync | Additional Service | | not applicable | n/a |
| | | Restore: On-Demand - BI Database and File Repo Sync | Additional Service | | not applicable | n/a |
| | TO_DS_1.1.28 | Authentication set-up and Single Sign On (SSO) configuration | Excluded Tasks | Customer may engage other SAP services for SSO solutions for cloud environment. | not applicable | n/a |
| 595 | TO_DS_1.1.29 | Install and configure Data Services Adapters | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 500 | | | performed by customer if applicable and if the SAP CAS Service is not used. | | and the Park I | |
| | TO_DS_1.1.30 | Add and configure additional Job Servers/ Job Groups for load balancing | Optional Services | Depending on sizing, additional infrastructure may be required. | not applicable | n/a |
| | TO_DS_1.1.31 TO_DS_1.1.32 | Configure Runtime Resources Configure SMTP Email | Standard Services | | not applicable | n/a n/a |
| | TO_DS_1.1.32 TO_DS_1.1.33 | Start/Stop services | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| 600 | | Enhanced Change and Transport System (CTS+) Integration Set-up | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations or Solution | A1, U4 |
| 000 | TO_DS_1.1.34 | Elinanced change and Transport System (CTS+) integration Serup | performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task bhoic_1.1.14. | Manager - ChaRM | A1, 04 |
| 601 | TO_DS_1.1.35 | Configure transports via Data Services (DS) Object Promotion Management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | 10_03_1.1.35 | | performed by customer if applicable and if the SAP CAS Service is not used. | | ** * | |
| 602 | TO_DS_1.1.36 | Backup Data Services Repository using Import/Export Tool | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 603 | | X6 - SAP BusinessObjects Business Intelligence (BI) | | | | |
| 604 | TO DI 44.00 | Operations (SMR) | 20-1-12-1 | | | n/a |
| | TO_BI_1.1.06 TO_BI_1.1.07 | Backup (Full content backup / BIAR backup) Scan / Repair and compact all repository errors | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| | TO_BI_1.1.11 | Clean-up empty directories created for Repository Diagnostic Tool | Standard Services Standard Services | | not applicable | n/a |
| | TO BI 1.1.26 | Cache Clean-up and Maintenance - Tomcat, Web Intelligence, Log Files | Standard Services | | not applicable | n/a |
| 609 | | Program Object Actions: Import and Execution | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Custom Scope | XX |
| 555 | TO_BI_1.1.17 | | performed by customer if applicable and if the SAP CAS Service is not used. | == ===== :-q=:==: · ======== ocar oc requested via table or toro 1.1.1-1. | _usioni ocope | |
| 610 | TO_BI_1.1.18 | Promote/deploy BI objects between environments | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| | TO_BI_1.1.19 | Create, rename, remove connections and Universes | Excluded Tasks | | not applicable | n/a |
| | TO_BI_1.1.21 | Provide user access and maintain authorizations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 612 | | Torice door decess and marriagn dation based in | | | | |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | OC assessment of Assistance and Assi | Contam Cana | VV |
| 612 | TO_BI_1.1.47 | SAML configuration | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Custom Scope | xx |
| 613 | TO_BI_1.1.47 | SAML configuration | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. | - | |
| 613 614 | TO_BI_1.1.47 TO_BI_1.1.27 | SAML configuration Deploy templates and system configurations for hardware changes | oerformed by customer if acolicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if acolicable and if the SAP CAS Service is not used. Standard Services | | not applicable | n/a |
| 613 | TO_BI_1.1.47 | SAML configuration | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. | - | |
| 613 614 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 | SAML configuration Deploy templates and system configurations for hardware changes | performed by customer if apolicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if apolicable and if the SAP CAS Service is not used. Sandard Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if apolicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if apolicable and if the SAP CAS Service is not used. | | not applicable | n/a |
| 613 614 615 616 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration | onformed by outcomer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charges. Needs to be onformed by outcomer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by outcomer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by outcomer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by outcomer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Custom Scope Custom Scope | n/a XX |
| 613 614 615 616 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP hitegration Set-up and Configuration Backup: On-Demand - Bil Database and File Repo Sync | cerformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) waisable at additional charge. Needs to be cerformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Applications Services (CAS) waisable at additional charge. Needs to be sare Cloud Applications Services (CAS) waisable at additional charge. Needs to be sare the Cast Applications of the Cast Service is additional charge. Needs to be serformed by customer if applicable and if the SAP CAS Service is not used. Additional Service | OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Custom Scope Custom Scope not applicable | n/a XX XX XX |
| 613 614 615 616 617 618 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - Bil Database and File Repo Sync Restore: On-Demand - Bil Database and File Repo Sync | onformed by outcomer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charges. Needs to be onformed by outcomer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charges. Needs to be performed by outcomer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by outcomer if applicable and if the SAP CAS Service is not used. Additional Service Additional Service Additional Service | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Custom Scope Custom Scope not applicable not applicable | n/a XX XX XX n/a n/a |
| 613 614 615 616 617 618 619 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 TO_BI_1.1.35 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - BI Database and File Repo Sync Restors: On-Demand - BI Database and File Repo Sync Authentication set-up and Single Sign On (SSO) configuration | oeformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) waislable at addistional charges, Needs to be oerformed by customer if acclicable and if the SAP CAS Service is not used. SaP Cloud Application Services (CAS) waislable at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) available at additional charge. Needs to be performed by postomer if applicable and if the SAP CAS Service is not used. Additional Service Excluded Tasks | OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Custom Scope Custom Scope and applicable not applicable not applicable | n/a XX XX XX n/a n/a n/a |
| 613 614 615 616 617 618 619 620 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 TO_BI_1.1.35 TO_BI_1.1.35 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - Bil Database and File Repo Sync Restore: On-Demand - Bil Database and File Repo Sync Authentication set-up and Single Sign On (SSO) configuration Configure Web Application - reverse proxy settings | oerformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be oerformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. Additional Service Additional Service Excluded Tasks Sarvice Gervices | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services for SSO solutions for cloud environment. | not applicable Custom Scope Custom Scope Custom Scope not applicable not applicable not applicable not applicable not applicable | n/a XX XX XX n/a n/a n/a n/a |
| 613 614 615 616 617 618 619 620 621 | TO_BL_1.1.47 TO_BL_1.1.27 TO_BL_1.1.29 TO_BL_1.1.30 TO_BL_1.1.33 TO_BL_1.1.34 TO_BL_1.1.35 TO_BL_1.1.35 TO_BL_1.1.37 TO_BL_1.1.37 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - BI Database and File Rapo Sync Restore: On-Demand - BI Database and File Rapo Sync Restore: On-Demand - BI Database and File Rapo Sync Authentication set-up and Single Sign On (SSQ) configuration Configure Web Application - reverse proxy settings Add and configure additional BI servers for load balancing | ostromed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) waisable at additional charge. Needs to be ontromed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) waisable at additional charge. Needs to be enchanced by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services (CAS) available at additional charge, Needs to be performed by customer if applicable and if the SAP CAS Service is not used. Additional Service Additional Service Excluded Tasks Senderd Services Optional Services | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Custom Scope Custom Scope not applicable | n/a XX XX XX n/a n/a n/a n/a n/a n/a |
| 613 614 615 616 617 618 619 620 | TO_BI_1.1.47 TO_BI_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 TO_BI_1.1.35 TO_BI_1.1.35 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - Bil Database and File Repo Sync Restore: On-Demand - Bil Database and File Repo Sync Authentication set-up and Single Sign On (SSO) configuration Configure Web Application - reverse proxy settings | oerformed by customer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be oerformed by customer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. Additional Service Additional Service Excluded Tasks Sandrad Gervices Optional Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be SAP Cloud Application Services ("CAS") available at additional charge. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services for SSO solutions for cloud environment. | not applicable Custom Scope Custom Scope Custom Scope not applicable not applicable not applicable not applicable not applicable | n/a XX XX XX n/a n/a n/a n/a |
| 613 614 615 616 617 618 619 620 621 622 | TO_BI_1.1.47 TO_B_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 TO_BI_1.1.35 TO_BI_1.1.35 TO_BI_1.1.38 TO_BI_1.1.38 TO_BI_1.1.38 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - BI Database and File Repo Sync Resters: On-Demand - BI Database and File Repo Sync Authentication set-up and Single Sign On (SSO) configuration Configure Web Application - reverse proxy settings Add and configure additional BI servers for load balancing Manage Server Process and Server Groups | onformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at addisonal charge, Needs to be onformed by customer if acclicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at addisonal charge, Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at addisonal charge. Needs to be Additional Service Additional Service Excluded Tasks Sandard Services SAP Cloud Application Services ("CAS") available at addisonal charge. Needs to be SAP CROWNERS ("CAS") available and additional services SAP Cloud Application Services ("CAS") available at addisonal charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services for SSO solutions for cloud environment. Additional infrastructure may be required. | not applicable Custom Scope Custom Scope Custom Scope of applicable not applicable not applicable not applicable not applicable not applicable not applicable Applicable Applicable Applicable | n/a XX XX XX XX n/a n/a n/a n/a n/a n/a A1 |
| 613 614 615 616 617 618 619 620 621 622 | TO_BI_1.1.47 TO_B_1.1.27 TO_BI_1.1.29 TO_BI_1.1.30 TO_BI_1.1.33 TO_BI_1.1.34 TO_BI_1.1.35 TO_BI_1.1.35 TO_BI_1.1.38 TO_BI_1.1.38 TO_BI_1.1.38 | SAML configuration Deploy templates and system configurations for hardware changes Auditing/Monitoring Driver Set-up and configuration for Audit reporting Perform ERP Integration Set-up and Configuration Backup: On-Demand - BI Database and File Rapo Sync Restore: On-Demand - BI Database and File Rapo Sync Restore: On-Demand - BI Database and File Rapo Sync Authentication set-up and Single Sign On (SSQ) configuration Configure Web Application - reverse proxy settings Add and configure additional BI servers for load balancing | oerformed by customer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge, Needs to be oerformed by customer if accilicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. Additional Service Additional Service Excluded Tasks Sandrad Gervices Optional Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be SAP Cloud Application Services ("CAS") available at additional charge. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services for SSO solutions for cloud environment. | not applicable Custom Scope Custom Scope not applicable | n/a XX XX XX n/a n/a n/a n/a n/a n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-------------|------------|---|---|--|---------------------------------|--------------|
| 625 | | X7 - SAP PI | | | | |
| 626 | | SAP PI Implementation | | | | |
| 627 TO_F | PI_1.1.01 | Install adapters and software components provided by SAP | Standard Services | Included only for items explicitly specified in the contract/Order Form. This is valid also for additional offerings from SAP such as: ADAPTERS for SAP NW P1.1.1, SAP NW Process Integration, business-to-business add-on-1.0, SAP NW Process Integration Secure Connectivity Add-on-1.0. This does not include efforts for content handling like the import of TPZ files into the ESS. | not applicable | n/a |
| 628 TO_F | PI_1.1.02 | Install adapters provided by external partners | Standard Services | Must provide adapter software and licenses. This does not include efforts for content handling like the import of TPZ files into the ESR. | not applicable | n/a |
| 629 TO_F | PI_1.1.03 | Configure the required system connections to partner systems | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Time and material basis for changes in network set-up (routers, firewalls access lists). Customer must provide network connections to target systems. | Custom Scope | xx |
| 630 TO_F | PI_1.1.04 | Create SSL views and PSEs | Excluded Tasks | | not applicable | n/a |
| 631 | | SAP PI Operations | | | | |
| 632 TO_F | PI_2.1.02 | Monitor application-specific PI functions, e.g. messaging, queues etc. | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Customer Application Monitoring | M2 |
| 633 TO_F | PI_2.1.03 | Monitor the message processing in PI (success and performance) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Customer Application Monitoring | M2 |
| 634 TO_F | PI_2.1.04 | Monitor communication channels, queues, backlogs of PI (AEX) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Customer Application Monitoring | M2 |
| _ | PI_2.1.05 | Monitor BPM processes (success and performance) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Application Operations | A1 |
| 636 TO_F | PI_2.1.06 | Configure adapters | Excluded Tasks | | not applicable | n/a |
| 637 TO_F | PI_2.1.07 | Deal with incorrect messages | Excluded Tasks | | not applicable | n/a |
| 638 TO_F | PI_2.1.08 | Configure message archiving | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 639 TO_F | PI_2.1.27 | Execute and monitor message archiving | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Application Operations | A1 |
| 640 TO_F | PI_2.1.11 | Role/authorization maintenance (except SAP and initial customer administrator role) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | XX |
| 641 TO_F | PI_2.1.16 | Maintain users (except for the SAP and initial customer administrator role) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 642 TO_F | PI_2.1.17 | Set-up of PI / BPM / AEX housekeeping | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 643 TO_F | PI_2.1.28 | Monitor housekeeping activities of PI/BPM/AEX | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Manual monitoring; effort based per execution. | Application Operations | A1 |
| 644 TO_F | PI_2.1.19 | Adjust PO/PI /AEX parameterization and configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | The configuration doesn't cover the realization of integration scenarios (content development). | Application Operations | A1 |
| 645 TO_F | PI_2.1.21 | Maintain the system landscape directory (SLD) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Related to PI scenarios. | Application Operations | A1 |
| 646 TO_F | PI_2.1.22 | Apply SAP basic application content update to the Enterprise Service Repository (ESR) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 647 TO_F | PI_2.1.23 | Handle errors and analyze root cause for incorrect message processing in PI (AEX) | Excluded Tasks | | not applicable | n/a |
| | PI 2.1.24 | Check PI / PO / AEX readiness after changes (upgrades, patches, notes) | Excluded Tasks | | not applicable | n/a |
| | PI_2.1.25 | Configure the required system connections to partner systems | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 650 TO F | PI 2.1.26 | Transport management of PI objects | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|---------------|--|---|--|-------------------------------|----------------|
| 651 | Identifici | X8 - Enterprise Portal | Responsibility | iveniario | . CAS Fackage | . rackage code |
| 652 | | Operations | | | | |
| | TO_EP_1.1.01 | Monitoring of application services for Portal, Unifiers, Unification Server, PCD, and CM | Standard Services | Monitors application services only; customer responsible to monitor portal content. | not applicable | n/a |
| | TO_EP_1.1.03 | Maintain LDAP (Novell, ADS, iPlanet and others) | Excluded Tasks | | not applicable | n/a |
| 655 | TO_EP_1.1.04 | Analyze Portal System logs and revise failures occurred | Standard Services | Provider to inform customer of required assistance. | not applicable | n/a |
| 656 | TO_EP_1.1.05 | System landscape maintenance, connection of external systems – e.g. SAP | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Port connection required. | Application Operations | A1 |
| 657 | TO_EP_1.1.07 | User mapping | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 658 | TO_EP_1.1.08 | Role/Channel/iPanel allocation | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 659 | TO_EP_1.1.09 | Content administration | Excluded Tasks | | not applicable | n/a |
| 660 | TO_EP_1.1.10 | Set-up and maintain Portal user source data | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 661 | TO_EP_1.1.11 | Lock and delete portal user source data | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 662 | TO_EP_1.1.12 | Release locked portal users | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 663 | TO_EP_1.1.13 | Define and change Customer specific portal authorization profiles | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 664 | TO_EP_1.1.14 | Administer Content Repository | Excluded Tasks | | not applicable | n/a |
| 665 | TO_EP_1.1.20 | Customize, upgrade POE including all components | Excluded Tasks | Set J2EE passwords, configure Java port, add service packs. | not applicable | n/a |
| 666 | TO_EP_1.1.22 | | Excluded Tasks | | not applicable | n/a |
| 667 | TO_EP_1.1.23 | Maintenance of Java services | Standard Services | Customer responsible to develop new Java services, and to customize existing java services. | not applicable | n/a |
| 668 | | X9 - Sybase IQ (used as data persistency for NLS, ILM or 3rd party archiving solutions) | | | | |
| 669 | | Database Installation/Configuration | | | | |
| | TO_SIQ_1.1.01 | Check/prepare system requirements (BW Release, SAP Notes, Source/target set-up) | Excluded Tasks | | not applicable | n/a |
| | TO_SIQ_1.1.03 | Initial configuration / parameter settings | Standard Services | | not applicable | n/a |
| | TO_SIQ_1.1.06 | Initialize connection between BW/NLS and Sybase IQ | Standard Services | Provider will perform required set-up. Customer must configure the NLS connection from the BW side. | not applicable | n/a |
| 673 | | Database Operations | | | | |
| 674 | | Database capacity management | Standard Services | | not applicable | n/a |
| 675 | TO_SIQ_1.2.04 | Perform database consistency check (DBCC) | Standard Services | | not applicable | n/a |
| | TO_SIQ_1.2.05 | Troubleshoot technical database issues | Standard Services | | not applicable | n/a |
| | TO_SIQ_1.2.06 | Set-up backup | Standard Services | | not applicable | n/a |
| | TO_SIQ_1.2.07 | Restore backup | Standard Services | | not applicable | n/a |
| 679 | TO_SIQ_1.2.08 | Monitor database connection | Standard Services | Customer must check connection from BW side. | not applicable | n/a |
| 680 | | Application | | | | |
| 681 | TO_SIQ_1.4.01 | Create/schedule/restore data archiving requests | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 682 | TO_SIQ_1.4.02 | Query handling | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 683 | TO_SIQ_1.4.03 | Install partner add-ons in backend systems | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 684 | TO_SIQ_1.5.01 | Provision server for the archiving solution server | Optional Services | If partner solution requires extra server; refer to Server Provisioning section in this document for details. | not applicable | n/a |
| 685 | TO_SIQ_1.4.04 | Install partner archiving software | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Customer must make sure, that they hold valid licenses to run the installed software in the cloud environment. | Data Lifecycle Management | D3 |
| 686 | TO_SIQ_1.4.05 | Configure partner archiving software | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 687 | TO_SIQ_1.4.06 | Managed services for archiving partner software (issue handling) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 688 | | SAP Information Lifecycle Management (ILM) for Sybase IQ | | | | 1. |
| 689 | TO_SIQ_1.6.01 | Check and prepare system requirements (Sizing, SAP Notes) | Excluded Tasks | | not applicable | n/a |
| | TO_SIQ_1.6.02 | Activate of ILM Store in NetWeaver | Standard Services | | not applicable | n/a |
| 691 | TO_SIQ_1.6.03 | Set parameters in SAP IQ for ILM Store | Standard Services | | not applicable | n/a |
| 692 | TO_SIQ_1.6.05 | Set-up ILM Store Authorizations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 693 | TO_SIQ_1.6.06 | Integrate ILM Store to Archiving Process | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 694 | TO_SIQ_1.6.07 | Configure of ArchiveLink connection to ILM Store | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 695 | TO_SIQ_1.6.08 | Configure of Storage Connections | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 696 | TO_SIQ_1.6.09 | Check ICM Parameters | Standard Services | | not applicable | n/a |
| 697 | TO_SIQ_1.6.10 | Set-up Clients and Origins in the ILM Store | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 698 | TO_SIQ_1.6.11 | Integration to OpenText Storage | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 699 | TO_SIQ_1.6.12 | Integration to other ILM Certified Storage | SAP Cloud Application Services ("CAS") available at additional is not used. Performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 700 | TO_SIQ_1.6.13 | Data destruction and data compliance | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Lifecycle Management | D3 |
| 701 | TO_SIQ_1.6.14 | License generation and deployment for Live Systems | Standard Services | | not applicable | n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|--------------------|--|---|---|--|--------------|
| 702 | | X11 - SAP Cloud Connector | | | | |
| 703 | | Installation and Configuration | | | | |
| 704 | TO_SCC_1.1.02 | Configuration - Enable outbound connection via LoadBalancer | Standard Services | Enable Cloud Connector to connect with SAP Business Technology Platform application domains / IP ranges or SAP Business Network domains / IP ranges (e.g.: Ariba, LBN, AIN) | not applicable | n/a |
| 705 | TO_SCC_1.1.03 | Configuration - Establish connection to SAP Business Technology Platform (formerly SAP Cloud Platform) sub-accounts | Standard Services | For Xi3 - SAP Forms by Adobe Adobe Document Services/ADS) only. Configure STP subaccount connection, Connect SAP Business Technology Patienty (Cenner), SAP Color Platform) subaccount to the Color Connecter, RSE integration specific, 9 Business Nevork specific Sub-accounts required for default RISE integration. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deslowments. | not applicable | n/a |
| 706 | TO_SCC_1.1.04 | Configuration - On-premise resources (OData services) customer wants to use in SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Create destination for ABAP backend system (Mapping virtual to internal system): Configure accessible resources (sap/bc/fo and /sap/bc/fo add. | Application Operations or Data Lifecycle Management | A1, D3 |
| 707 | TO_SCC_1.1.05 | Monitoring - SCC service monitoring (Linux / Windows Services) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Can be done in Administrator UI or by executing a manual status check command or via HCP Administrator Cockpit. Manual monitoring; effort based per execution. | Application Operations or Data Lifecycle Management | A1, D3 |
| 708 | TO_SCC_1.1.06 | Define and provide two user groups (Cloud Portal Admin, Cloud Portal User) | Standard Services | | not applicable | n/a |
| 709 | TO_SCC_1.1.07 | Tunnel Availability monitoring | Standard Services | For version 2.12 and higher only. Service provider can monitor tunnel availability for informational purposes only but is not covered under the Service Level Agreement. | not applicable | n/a |
| 710 | TO_SCC_1.1.08_AE | Test execution for every update of SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) Integration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | RISE integration specific, or Business Network specific Sub-accounts required for default RISE integration | Cloud Integration Testing | I1 |
| 711 | TO_SCC_1.1.09_AE | Create test automation scripts for SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Cloud Integration Testing | 11 |
| 712 | TO_SCC_1.1.10_AE | Application of changes (Test automation script modification) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Cloud Integration Testing | И |
| 713 | | X12 - SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) Integration - Data Services Agent (BTPI-DS) (Formerly HCI-DS) | | | | |
| 714 | | Installation and Configuration | | | | |
| 715 | TO_BTPIDS_1.1.01 | Install SAP BTPI - Data Service agent | Standard Services | | not applicable | n/a |
| 716 | TO_BTPIDS_1.1.02 | Configuration - Enable outbound connection via LoadBalancer to connect with BTPI | Standard Services | | not applicable | n/a |
| 717 | TO_BTPIDS_1.1.03 | Configuration - Establish connection to customer's cloud account | Standard Services | Need access to BTPI portal or service provider will request the configuration file from customer. Configuration performed at OS level. Provider will verify that agent status is green in BTPI portal. | not applicable | n/a |
| 718 | TO_BTPIDS_1.1.04 | Configuration - Business backend preparation steps for BTPI consumption | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 719 | | Monitoring Set-up | | | | |
| 720 | TO_BTPIDS_1.2.01 | Monitoring set-up for process level availability - Nagios | Standard Services | | not applicable | n/a |
| 721 | | Data Handling and Data Services | | | | |
| 722 | TO_BTPIDS_1.3.01 | Migrate or replicate data between data stores | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 723 | | X13 - SAP Fiori | | | | |
| 724 | | Installation and Configuration | | | | |
| 725 | TO_FIORI_1.1.01 | Install application specific packages in respective SAP Systems | Standard Services | Initial set-up in managed system. | not applicable | n/a |
| 726 | TO_FIORI_1.1.03 | Configuration - Web Dispatcher Fiori App redirects | Standard Services | SSL is a prerequisite for this task. Scope during initial Provisioning includes all systems defined in the initial contract. If more systems are added a Change Request (CR) is required and extra changes may apply. For systems ingred to environments for which SAP is the Service Provider, it is the customer's responsibility to configure the Web Dispatcher for the migrated system; this configuration can be delivered through a separately contracted doud orbinodring and mirrations service. | not applicable | n/a |
| 727 | TO_FIORI_1.1.10_AE | Configuration - Web Dispatcher Fiori App redirects - additional requests | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Efforts for additional requests. Includes SSL configuration and certificate handling and is limited to technical SAP Fiori Launchpad enablement for additional clients or products other than SAP S/4HANA only. | Application Operations | A1 |
| 728 | TO_FIORI_1.1.05 | Configuration - HANA XS Engine Web Dispatcher | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | SSL is a prerequisite for this task. Scope during Initial Provisioning includes all systems defined in the initial contract. | Application Operations | A1 |
| 729 | TO_FIORI_1.1.09 | Initial enablement of Fiori launchpad including all required connectivity set-up | Standard Services | Includes SAP Fior Launchpad enablement for One (1) client (client 100) per SAP S4HANA system for Greenfield deployments. This includes the activation of predefined sample SAP Fior laps to validate SAP Fior Launchpad enablement. For systems migrated to environments which use SAP as the service provider, it is customer's responsibility to enable existing SAP Fiori app(s) and is covered by a securately contracted cloud or hosting and micration service. | not applicable | n/a |
| 730 | TO_FIORI_1.1.06 | Re-enable Fiori launchpad including all required connectivity set-up | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | a separatery contracted croud oriodating and migration service. Covers additional charge for re-enablement. | Application Operations | A1 |
| 731 | TO_FIORI_1.1.07 | Configuration - Fiori applications | Excluded Tasks | In some situations service provider might be able to support the customer using an Application Management service, however due to the large variety of possible scenarios this item has been generally excluded from the service; customers should seek assistance via other SAP services. | | n/a |
| 732 | TO_FIORI_1.1.08 | Establish trusted connections from Web Dispatcher to Gateway, backend system (e.g. S/4 HANA) and HANA XS engine of backend system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Access to customer client required. | Application Operations | A1 |
| 733 | TO_FIORI_1.1.11_AE | Enable Fiori Launchpad for the standard Fiori applications for additional business clients, brownfield / migration deployments or SAP products other than S/4HANA | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Includes example Fiori Catalog, example Fiori Group and example PFCG role. | Application Operations | A1 |
| 734 | TO_FIORI_1.1.12_AE | Re-enable technical integration points after system/client copy | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Performed for additional business clients or products other than SAP S/4HANA. | Application Operations | A1 |

| | | Task | Responsibility | Remarks | CAS Package | Package Code |
|------------|--------------------------------|---|---|--|----------------------------------|--------------|
| 737 | | X15 - Web Dispatcher | | | | |
| | | Web Dispatcher Operations | | | | |
| | TO_WD_1.1.01 | Register/Remove Systems in Web Dispatcher and their options regarding SSL | Standard Services | Scope during initial provisioning includes all systems defined in the initial contract. If more systems are added a Change Request (CR) is required and extra charges may apply. | not applicable | n/a |
| 738 1 | TO_WD_1.1.02 | General memory management definition | Standard Services | Tequined and extra criarges may apply. | not applicable | n/a |
| | TO_WD_1.1.03 | General security parameter definition | Standard Services | | not applicable | n/a |
| 740 | TO_WD_1.1.04 | General Configuration for Support SSL in Parameter File or PSE Maintenance Tool in | Standard Services | | not applicable | n/a |
| | | Admintool (Handling HTTPS Requests) | | | | |
| | TO_WD_1.1.05 TO_WD_1.1.06 | Communication with the message server / application server using SSL Modify HTTP requests | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| | TO_WD_1.1.06 TO_WD_1.1.07 | Set-up error handling | Standard Services | | not applicable | n/a |
| | TO_WD_1.1.08 | Maintain authentication File | Standard Services | | not applicable | n/a |
| | TO_WD_1.1.09 | Changes in client 000 of the backend systems related to Web Dispatcher (HTTPURLLOC) | Standard Services | | not applicable | n/a |
| 746 | TO_WD_1.1.10 | Log and trace strategy | Standard Services | | not applicable | n/a |
| | TO_WD_1.1.11 | Encryption policy (protocols, ciphersuites, key length) | Standard Services | | not applicable | n/a |
| | TO_WD_1.1.12 | Connection counts | Standard Services | | not applicable | n/a |
| 749 | TO_WD_1.1.13 | Metadata Exchange Using SSL | Standard Services | | not applicable | n/a |
| 764 | TO_WD_1.1.14 | Define port ranges | Standard Services | Confirmation datable (assistant updated in the second assistant and admits at a contract to the second assistant asi | not applicable | n/a |
| 751 | TO_WD_1.1.15 | LoadBalancer configuration for Web Dispatcher | Standard Services | Configuration details (routing rules, redirection information, backend system details etc.) must be provided by customer. Service provider will be update the Load Balancer and Web Dispatcher accordingly. | посаррясавие | n/a |
| 752 | TO_WD_1.1.16 | DNS Changes for Web Dispatcher Service | Excluded Tasks | There are no options to have personalized DNS. | not applicable | n/a |
| 753 | | X16 - LoadBalancer | | | | |
| 754 | | LoadBalancer operation | | | | |
| | TO_LRP_1.1.01 | Set-up LoadBalancer instance | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.02 | Register/Remove Systems in LoadBalancer | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.03 | Configure load distribution to application servers | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.04 TO LRP 1.1.05 | Provide external IP for Internet facing scenarios | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.05 | Configure SSL offloading (Encryption) Perform DNS handling for customer own Domain | Standard Services Excluded Tasks | | not applicable not applicable | n/a n/a |
| | TO_LRP_1.1.08 | Provide X.509 certificate for customer domain to enable SSL | Excluded Tasks | | not applicable | n/a |
| 762 | TO_LRP_1.1.09 | Provide X.509 certificate for SAP own URL like *.xxx.ondemand.com domain | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.10 | Install customer X.509 certificate | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.11 | Configure Web Application Firewall | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.12 | Configure persistence handling | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.14 | Configure health checks | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.15 | Configure URL/IP based blocklist and allowlist filtering | Standard Services | | not applicable | n/a |
| | TO_LRP_1.1.16 TO_LRP_1.1.17 | Configure sorry page function Configure outgoing connections to Internet | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| | TO_LRP_1.1.18 | Enable access from managed system to internet/public domain | Standard Services | Supported using outbound LoadBalancer. Used to integrate managed system with other clouds or customer public services etc. | not applicable | n/a |
| 771 | | X17 - OpenText Solutions | | | | |
| 772 | | Cloud Editions | | | | |
| 773 | | SAP S/4HANA Common Tasks | | | | |
| 774 | TO_OT_1.10.1 | Install OpenText Cloud Edition Add-On | Standard Services | Includes SAP Archiving and Document Access by OpenText (ADA), SAP Vendor Invoice Management (VIM), SAP Extended Enterprise | not applicable | n/a |
| | TO_OT_1.10.2 | 1. C. A. C. | | Content Management by OpenText (xECM). | | |
| | TO_OT_1.10.2 TO_OT_1.10.3 | Activate/Maintain ICF nodes required for Apps to be enabled/updated Activate/Maintain OData Services required for Apps to be enabled/updated | Standard Services Standard Services | | not applicable not applicable | n/a n/a |
| 777 | 10_01_1.10.3 | Vendor Invoice Management for SAP Solutions (VIM) | Statidard Services | | not applicable | II/a |
| 770 | TO OT 1414 | Establish/Maintain secure connection to OpenText Core Capture for SAP Solutions (IES | 0 | Create and maintain connections from S/4HANA SM59. Client ID and secret password from Admin Center need to be provided. | not applicable | n/a |
| | TO_OT_1.11.1 | Cloud)/OT2 | Standard Services | | | |
| 779 | | Extended Enterprise Content Management for SAP Solutions (xECM) | | | | |
| | TO_OT_1.12.1 | Establish/Maintain secure connection to OpenText Cloud (OTK) | Standard Services | Create and maintain connections from S/4HANA SM59, STRUST and in xECM's IMG hierarchy "Create HTTP Connections". | not applicable | n/a |
| 781 | | Archiving and Document Access for SAP Solutions (ADA) | | | | |
| 782 783 | | OpenText Core Archive Connector | | | | _ |
| | TO_OT_1.13.1 | Operations Install OpenText Core Archive Connector and Document Pipelines | Standard Services | Application installation only. | not applicable | n/a |
| 70F | | Establish/Maintain secure connection to OpenText Core Archive for SAP Solutions (ADA | | Initial configuration and customer tenant registration. | not applicable | n/a |
| - 1 | TO_OT_1.13.2 | Cloud)/OT2 | Standard Services | | | / |
| | TO_OT_1.13.3 | Add/Maintain SAP S/4HANA systems connection | Standard Services | | not applicable | n/a |
| 787 | TO_OT_1.13.4 | Administration of Collections and Data Sources | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Data Lifecycle Management | D3 |
| 700 | TO_OT_1.13.5 | Configure scan host and profile | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Data Lifecycle Management | D3 |
| 700 | | Configure/Maintain file archive job | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Data Lifecycle Management | D3 |
| | TO_OT_1.13.6 | | performed by customer if applicable and if the SAP CAS Service is not used. | And the second s | | |
| 704 | TO_OT_1.13.7 | Maintain Core Archive Connector setting | Standard Services SAR Cloud Application Services ("CAS") musicable at additional observe. Needs to be | Activity includes replacing/generating certificate and private key. | not applicable | n/a XX |
| | TO_OT_1.13.8 | User Administration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | ^^ |
| 792 | | Software Lifecycle Management | | | | |
| | TO_OT_1.14.1 | Implement customer specific updates to the managed OT Core Archive Connector solution | Additional Service | | not applicable | n/a |

| Clou | a Services | |
|------|------------|---|
| Row | Identifier | Task |
| 794 | | X17A - OpenText Extended Enterprise Content Management (OT xECM) |
| 795 | | Installation |
| 796 | | Install OT xECM Components (Content Server, Archive Server, AppWorks, OTDS Server, Database repository) |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-------------------|-----------------|---|---|---|-------------------------------|--------------|
| 794 | | X17A - OpenText Extended Enterprise Content Management (OT xECM) | | | | |
| 795 | | Installation | | | | |
| ⁷⁹⁶ TO | O_OT_XECM_1.1.1 | Install OT xECM Components (Content Server, Archive Server, AppWorks, OTDS Server, Database repository) | Standard Services | Content Server, Archive Server, AppWorks, OTDS Server, Database repository. | not applicable | n/a |
| 797 TO | O_OT_XECM_1.1.2 | Install OT xECM NetWeaver ABAP Add-on(s) | Standard Services | Install OT xECM , OT ADA and OTA Fiori Add-on on S4HANA System. | not applicable | n/a |
| 798 TO | O_OT_XECM_1.1.3 | Install additional OT xECM application server deployment for HA | Standard Services | May require Change Request (CR) for HA option. | not applicable | n/a |
| 799 | | Set-up and Configuration | | | | |
| 800 TO | O_OT_XECM_1.2.1 | Post install configuration | Standard Services | | not applicable | n/a |
| 801 TO | D_OT_XECM_1.2.2 | Monitoring | Standard Services | | not applicable | n/a |
| 802 TO | _OT_XECM_1.2.3 | Application configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 803 TO | O_OT_XECM_1.2.4 | Data Archiving | Excluded Tasks | | not applicable | n/a |
| 804 TO | O_OT_XECM_1.2.5 | S4HANA integration and connectivity | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 805 TO | O_OT_XECM_1.2.6 | SSL/TLS Secure Communication | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.1.4. | Application Operations | A1 |
| 806 TO | OT XECM 1.2.7 | SSO with Windows AD | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| 807 | | X18 - SAP Information Steward | | | | |
| 808 | | Operations | | | | |
| | D_IS_1.1.02 | Add additional IS job servers for load balancing on existing infrastructure | Additional Service | Adding additional server on existing infrastructure. A Change Request (CR) is required If additional infrastructure needs to be deployed. | not applicable | n/a |
| 810 TO | D_IS_1.1.13 | Add additional IS job servers for load balancing on new infrastructure | Optional Services | Adding additional server on new infrastructure. A Change Request (CR) is required. | not applicable | n/a |
| | D_IS_1.1.03 | User and access management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Secure Users & Authorizations | S2 |
| 812 TO | D_IS_1.1.04 | Create and manage IS application jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 813 TO | D_IS_1.1.05 | Execute Information Steward utilities | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 814 TO | D_IS_1.1.06 | Data Insight, Metadata, Cleansing Package and Match Review administration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 815 TO | D_IS_1.1.08 | IS repository and file system backup | Standard Services | | not applicable | n/a |
| 816 TO |)_IS_1.1.09 | IS job server and services monitoring | Standard Services | | not applicable | n/a |
| 817 TO | D_IS_1.1.10 | IS repository management | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 818 TO | D_IS_1.1.11 | Troubleshoot issues with IS jobs and utilities (Data Insight, Rule Tasks, Metadata Management, Data Cleansing) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 819 TO |)_IS_1.1.12 | Execute performance tuning for Data Insight, Data Cleansing, Metadata Management, Metapedia and Match Review | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Management | D4 |
| 820 TO | D_IS_1.1.14_AE | Validate Information Steward set-up and configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Optimization | D5 |
| 821 TO | D_IS_1.1.15_AE | Collect metadata and assess data quality | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Data Quality Optimization | D5 |
| 822 | | X21 - SAP Identity Management IDM | | | | |
| 823 | | Configuration | | | | |
| | D_IDM_1.0.01 | Assist customer with IDM related tasks that require access to operating system | Standard Services | | not applicable | n/a |
| | D_IDM_1.0.02 | Install IDM dispatchers as part of the initial cloud environment installation | Standard Services | | not applicable | n/a |
| 826 TO | D IDM 1.0.03 | Connect IDM UI to IDM system | Standard Services | SSL configuration is not covered by this task. | not applicable | n/a |

| Cloud Services | | | | | | |
|--------------------------------------|---------|--|--|--|--|--------------|
| Row Ident | ntifier | Task X22 - SAP Financial Consolidation (FC) | Responsibility | Remarks | CAS Package | Package Code |
| 828 | | Administration of Data Sources | | | • | |
| 829 TO_FC_1.1.01 | 1 | Start/Stop/Set Administrator Password and activity views for Datasources | Standard Services | | not applicable | n/a |
| | | Add Webservices | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| TO_FC_1.1.02 | 2 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 831 TO_FC_1.1.03 | 3 | Add FC Application Server/Webserver on existing infrastructure | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 832 TO_FC_1.1.15 | | | performed by customer if applicable and if the SAP CAS Service is not used. | | | _ |
| 832 TO_FC_1.1.15 | | Add FC Application Server/Webserver on new infrastructure Migrate and filter data source | Optional Services | | not applicable | n/a |
| 834 TO_FC_1.1.04 | | Install software configuration | Excluded Tasks Excluded Tasks | | not applicable not applicable | n/a n/a |
| 835 TO_FC_1.1.06 | | Sending/Broadcasting messages to End-users | Excluded Tasks Excluded Tasks | | not applicable | n/a |
| 836 TO FC 1.1.07 | | Define log configuration for application servers | Excluded Tasks | | not applicable | n/a |
| 837 TO_FC_1.1.08 | | Define commands available for machines and instances | Excluded Tasks | | not applicable | n/a |
| 838 TO_FC_1.1.09 | | Activate/Deactivate machine in the FC Admin console | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 10_10_1.1.08 | 9 | | performed by customer if applicable and if the SAP CAS Service is not used. | | 7 | |
| 839 TO_FC_1.1.10 | 0 | Start/Stop instances in the FC Admin console | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| | | 0 | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | 20 | 1 | A1 |
| 840 TO_FC_1.1.11 | 1 | Create scheduled tasks for starting and stopping servers | performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 841 TO_FC_1.1.12 | 0 | Create/Delete Data Source(s) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 10_FC_1.1.12 | | ** | performed by customer if applicable and if the SAP CAS Service is not used. | | 7 | |
| 842 TO_FC_1.1.13 | 3 | Create FC transport folder | Standard Services | | not applicable | n/a |
| 843 TO_FC_1.1.14 | 4 | Restart FC platform periodically | Standard Services | | not applicable | n/a |
| 844 845 TO FC 1,2,04 | | Monitoring | | | | - |
| | | Monitoring one FC application URL per SID Monitoring of further FC application URLs | Standard Services | Limited to one URL per SID. Customer needs to provide URL to be monitored. Customer needs to provide URL to be monitored. | not applicable Application Operations | n/a |
| 846 TO_FC_1.2.03 | 3 | monitoring or turnier i G application ORES | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Cusionnel needs to provide ONE to be intollitured. | Application Operations | n . |
| 847 | | Administration of HANA Databases | Continued by administrative drift in the CAP CAD delytice is 110t USEU. | | | |
| 848 TO_FC_1.3.01 | 1 | Prerequisites for creating SAP HANA Modeling Views with Cube Designer | Excluded Tasks | Customer require access to HANA Studio and require HANA Customer Administration authorization. | not applicable | n/a |
| 849 TO_FC_1.3.02 | | Deleting rights created during Cube Deployments | Excluded Tasks | Customer require access to HANA Studio and require HANA Customer Administration authorization. | not applicable | n/a |
| 850 | | Configure SAP Financial Consolidation Web Site | | | | 1. |
| 851 TO_FC_1.4.01 | 1 | Reconnecting Automatically | Standard Services | | not applicable | n/a |
| 852 TO_FC_1.4.02 | 2 | Activate the SAP Financial Consolidation Web Technical Log | Standard Services | | not applicable | n/a |
| 853 TO_FC_1.4.03 | 3 | Support long-term HTTP sessions with firewalls | Standard Services | | not applicable | n/a |
| 854 TO_FC_1.4.04 | 4 | Publish documents via a URL | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| | | 0 | performed by customer if applicable and if the SAP CAS Service is not used. | 20 | 1 | |
| 855 TO_FC_1.4.05 | 5 | Configure HTTPS | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 856 TO_FC_1.4.06 | | Customize the SAP Financial Consolidation Web Site Home page | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 10_10_1.4.00 | ю | | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 857 | | Configure SAP Financial Consolidation Web HTML5 Site | | | | 4. |
| 858 TO_FC_1.5.01 | 1 | Configure/Customize SAP Financial Consolidation Web HTML5 site advanced settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| 859 | | Archiving Tool | performed by customer if applicable and if the SAP CAS Service is not used. | | | |
| 860 TO_FC_1.6.01 | 1 | Install and access the Archiving Tool | Standard Services | | not applicable | n/a |
| | | Execute archiving process | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | Δ1 |
| 861 TO_FC_1.6.02 | 2 | Execute archiving process | performed by customer if applicable and if the SAP CAS Service is not used. | OG access required. Assistance can be requested via task DASIO_1.1.14. | Application Operations | Λ1 |
| 862 | | Install and Configure the SAP NetWeaver BW Server to deploy Infocubes with SAP | | | | 1. |
| | | Financial Consolidation Cube Designer | | | | |
| 000 TO FO 4 0 04 | | TOWN TOWN TO THE PARTY OF THE P | On the London | | and an afficial to | |
| 863 TO_FC_1.8.01 864 TO_FC_1.8.02 | | Install the FPM Basis component on the SAP NetWeaver BW server | Standard Services | | not applicable | n/a |
| 865 TO_FC_1.8.02 | 4 | Create BW NetWeaver Roles to deploy Infocubes with Cube Designer Install SAP EPM Solutions Connection Manager on the | Excluded Tasks | | not applicable not applicable | n/a n/a |
| TO_FC_1.8.03 | 3 | BOE platform | Standard Services | | not applicable | |
| | | · | | | 1 | |
| 866 TO_FC_1.8.04 | | Configure the Central Management Console for SAP Cube Designer | Excluded Tasks | | not applicable | n/a |
| 867 TO_FC_1.8.05 | | Configure the Central Management Server for a distributed installation | Additional Service | If requested during initial build, this will be configured as standard service. | not applicable | n/a |
| 868 TO_FC_1.8.06 | 6 | Configure reverse proxy | Standard Services | | not applicable | n/a |
| 869 TO_FC_1.8.07 | 7 | Create an EPM Connection for SAP Financial Consolidation with NetWeaver BW Cubes or | Excluded Tasks | | not applicable | n/a |
| 870 | | SAP PCM or SAP SSM or SAP HANA Financial Information Management | | | | |
| 871 TO_FC_1.9.01 | 1 | Configure the number of lines in a Flat File Preview | Standard Services | | not applicable | n/a |
| 872 TO_FC_1.9.02 | | Configure Time-out Parameters | Standard Services Standard Services | | not applicable | n/a |
| 873 | _ | X29 - SAP TREX | | | | |
| 874 | | TREX operations | | | | 1. |
| 875 TO_TREX_1.1 | 111 | Post-Installation Configuration and Connection TREX with an Application (Java or ABAP) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | This includes activities Post-Installation Configuration and Connection between TREX and an Application (Java or ABAP) as is described | Application Operations | A1 |
| IO_IKEX_I.I | | | performed by customer if applicable and if the SAP CAS Service is not used. | in Official Product documentation (help.sap.com) | | |
| 876 TO_TREX_1.1 | | Administer TREX indices | Excluded Tasks | | not applicable | n/a |
| 877 TO_TREX_1.1 | 1.16 | Administer Taxonomies | Excluded Tasks | | not applicable | n/a |
| 878 | | X31 - SAP Solution Manager | | | | - |
| 880 TO SOLM 4.4 | | Installation and Configuration Set-up and configuration of ITSM in SAP Solution Manager | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| TO_SOLM_1.1 | .1.01 | Gerup and configuration of H SW III SAP Solution Manager | performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | ^^ |
| 881 PAGIC 1 9 07 | | Set-up monitoring with Customer Solution Manager located in the cloud: Install additional | | Connecting an SAP Solution Manager system owned by the customer operated in the cloud (not the central SAP Solution Manager | not applicable | n/a |
| DASIC_1.0.07 | r | Diagnostics Agent on customer systems | Standard Services | system owned by service provider). | ** | |
| 882 BASIC_1.8.18 | 3 | Set-up monitoring with Customer Solution Manager located in cloud: Configure monitoring | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Service charge is calculated per server; monitoring set-up is done using only SAP Solution manager standard templates, no customer | Application Operations or Customer | A1, M2 |
| | | within the customers SAP Solution Manager system Configure Solution Manager: Focused Insight standard dashboard | performed by customer if applicable and if the SAP CAS Service is not used. | specific settings and adjustments included. No customer specific settings and adjustments included. | Application Monitoring Application Operations or Customer | A1 M2 |
| 883 BASIC_1.8.26 | 3 | Configure Solution Mariager. Focused Insignit standard dashboard | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | по сизитет эреинс зештув анд вајизитеть писичец. | Application Operations or Customer Application Monitoring | A1, M2 |
| | | I. | The state of the s | | I. Attached mountains | |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|---|--|---|--|---|---|---|
| 884 | | X33 - SAP Test Data Migration Server (TDMS) | | | | |
| 885 | | Installation and Configuration | | | | |
| 886 | TO_TDMS_1.1.01 | Set-up of Control System (TDMS server) and set-up of receiver system (target server) | Standard Services | | not applicable | n/a |
| 887 | TO_TDMS_1.1.02 | Patching of the sender systems (source system) | Standard Services | | not applicable | n/a |
| 888 | TO_TDMS_1.1.03 | TDMS initial configuration, client creation, set-up RFC connections, set-up authorizations, | Standard Services | | not applicable | n/a |
| | | Shell Creation | | | | |
| | TO_TDMS_1.1.04 | Set scrambling data, customize, using BPL modeler | Excluded Tasks | | not applicable | n/a |
| 890 | | X34 - SAP PowerDesigner | | | | |
| 891 | | Operational Set-up | | | | |
| 892 | | Install components (Portal, Repo, Proxy) | | Install and set-up SAP PowerDesigner repository including any support package and patch updates. SAP ASE database will be set-up | not applicable | n/a |
| | TO_PWR_1.1.01 | | Standard Services | as repository server. Install and configure Apache Torncat Server on portal server for remote web access. Install and set-up SAP | | |
| | | | | PowerDesigner admin server as staging server for initial deployment. Export/import of SAP PowerDesigner Web application files to portal | | |
| 002 | | Install Proxy | | server. Install and set-up SAP PowerDesigner proxy server - will be installed on same server as SAP PowerDesigner admin server. This is an | not applicable | n/a |
| 893 | TO_PWR_1.1.02 | Ilistali Pluxy | Standard Services | optional component. | not applicable | II/d |
| 894 | | Set-up and configuration | | Install and set-up ODBC drivers for SAP HANA as data source. Additional data sources set-up will incur extra service charge. Set-up and | not applicable | n/a |
| 004 | TO_PWR_1.1.03 | ou up und comigatation | Standard Services | configure authentication for portal and repository servers. Authorization set-up - provision specific user and roles for SAP PowerDesigner | not applicable | 100 |
| | | | | portal and repository Access. | | |
| 895 | TO_PWR_1.1.04 | SSL/TLS Configuration - Portal Set-up | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Set-up secure communication through SSL/TLS configuration. | Application Operations | A1 |
| | | · | performed by customer if applicable and if the SAP CAS Service is not used. | | ** | |
| | TO_PWR_1.1.05 | Single Sign On (SSO) with Windows Active Directory | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| 897 | | X35 - bowbridge Anti-Virus for SAP Solutions | | | | |
| 898 | | Installation and Configuration | | | | |
| 899 | TO_BB_AV_1.1.01 | Verify files signature or comparing checksum | Standard Services | Check that bowbridge software is original and unmodified. | not applicable | n/a |
| 900 | TO_BB_AV_1.1.02 | Install bowbridge software | Standard Services | | not applicable | n/a |
| | TO_BB_AV_1.1.03 | Configure application layer | Excluded Tasks | | not applicable | n/a |
| 902 | TO_BB_AV_1.1.04 | Update bowbridge software | Standard Services | Customer must inform provider and provide software update. | not applicable | n/a |
| 903 | | X36 - SAP Billing and Revenue Innovation Management | | | | |
| 904 | | SAP Convergent Charging | | | | |
| 905 | | Installation and Configuration | | | | |
| | TO_BRIM_CC_1.1.01 | Install SAP Convergent Charging database | Standard Services | | not applicable | n/a |
| | TO BRIM CC 1.1.02 | Install SAP Convergent Charging core server | Standard Services | | not applicable | n/a |
| 908 | TO BRIM CC 1.1.03 | Post Installation steps - Convergent Charging Cockpit and Core tool installation | Standard Services | | not applicable | n/a |
| 909 | | Operations | | | | |
| 910 | TO_BRIM_CC_1.2.01 | Start/stop system | Standard Services | | not applicable | n/a |
| | TO_BRIM_CC_1.2.02 | Apply Updates | Standard Services | | not applicable | n/a |
| | TO_BRIM_CC_1.2.03 | Version upgrade | Standard Services | | not applicable | n/a |
| | TO_BRIM_CC_1.2.04 | Monitoring | Standard Services | | not applicable | n/a |
| | TO_BRIM_CC_1.2.05 | Standard technical parameter setting and activation with restart | Standard Services | If required per SAP Note, the product support team, or a top issue. | not applicable | n/a |
| 915 | | Additional parameter settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | OS access required. Assistance can be requested via task BASIC_1.1.14. | Application Operations | A1 |
| | TO_BRIM_CC_1.2.06 | | performed by customer if applicable and if the SAP CAS Service is not used. | | 7, | |
| 916 | TO_BRIM_CC_1.2.07 | Additional instance installation | Additional Service | | not applicable | n/a |
| 917 | TO_BRIM_CC_1.2.08 | System refresh | Additional Service | | not applicable | n/a |
| 918 | TO_BRIM_CC_1.2.09 | Configure Transports | Standard Services | | not applicable | n/a |
| 919 | | SAP Convergent Mediation by DigitalRoute | | | | |
| 920 | | Installation and Configuration | | | | |
| | TO_BRIM_CM_1.1.01 | Install SAP Convergent Mediation Database | Standard Services | | not applicable | n/a |
| | TO_BRIM_CM_1.1.02 | Install SAP Convergent Mediation Control Zone and Execution Zone set-up | Standard Services | | not applicable | n/a |
| | TO_BRIM_CM_1.1.03 | Post Installation steps | Standard Services | | not applicable | n/a |
| 923 | | | | | | |
| | TO_BRIM_CM_1.1.04 | Install SAP Convergent Mediation Execution Control Standalone (ECSA) set-up | Standard Services | | not applicable | n/a |
| | | | | | not applicable | n/a |
| 924 925 | | Install SAP Convergent Mediation Execution Control Standalone (ECSA) set-up Operations | | | not applicable . not applicable | n/a n/a |
| 924 925 926 | TO_BRIM_CM_1.1.04 | Install SAP Convergent Mediation Execution Control Standalone (ECSA) set-up | Standard Services Excluded Tasks | | not applicable | |
| 924 925 926 927 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 | Install SAP Convergent Mediation Execution Control Standalone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events | Standard Services | | not applicable not applicable | n/a |
| 924 925 926 927 928 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deteitor of collected files after checkpoint batch Push Data Records from customers FTP server to cloud environment sFTP server | Standard Scrolces Excluded Tasks Excluded Tasks Excluded Tasks | | not applicable not applicable not applicable | n/a n/a |
| 924 925 926 927 928 929 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Startistion systems. | Sandard Services Encluded Tasks Encluded Tasks Encluded Tasks Encluded Tasks Candard Services | | not applicable not applicable not applicable not applicable | n/a n/a n/a n/a |
| 924 925 926 927 928 929 930 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deteitor of collected files after checkpoint batch Push Data Records from customers FTP server to cloud environment sFTP server | Standard Scrolces Excluded Tasks Excluded Tasks Excluded Tasks | Availability monitoring only. | not applicable not applicable not applicable not applicable not applicable | n/a n/a n/a |
| 924 925 926 927 928 929 930 931 | TO BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.05 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after cheedpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Startristop system Startristop specific Prico instance Monitoring | Sandard Services Excluded Tasks Excluded Tasks Excluded Tasks Excluded Tasks Candard Services Standard Services Standard Services Standard Services | | not applicable | n/a n/a n/a n/a n/a n/a |
| 924 925 926 927 928 929 930 931 932 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Roccods from customer sFTP server to cloud environment sFTP server Startificip system Startificip system | Standard Services Excluded Tasks Excluded Tasks Excluded Tasks Standard Services Standard Services Standard Services Standard Services Standard Services | If required per SAP Note, the product support team, or a Top Issue. | not applicable not applicable not applicable not applicable not applicable | . n/a n/a n/a n/a n/a n/a n/a n/a n/a |
| 924 925 926 927 928 929 930 931 932 933 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Starristop system Starristop system Monitoring Standards Cetchnical parameter setting and activation with restart | Standard Services Excluded Tasks Excluded Tasks Excluded Tasks Standard Services Standard Services Standard Services Standard Services Standard Services | | not applicable | . n/a |
| 924 925 926 927 928 929 930 931 932 933 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Starristop system Starristop system Monitoring Standards Cetchnical parameter setting and activation with restart | Sandard Services Excluded Tasks Excluded Tasks Excluded Tasks Excluded Tasks Candard Services Standard Services Standard Services Standard Services | If required per SAP Note, the product support team, or a Top Issue. | not applicable | . n/a |
| 924 925 926 927 928 929 930 931 932 933 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 | Install SAP Convergent Mediation Execution Control Standalone (ECSA) set-up Operations Desaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Startistop system Startistop system Startistop system Monitoring Standard schenical parameter setting and activation with restart Additional parameter settings | Standard Services Excluded Tasks Excluded Tasks Excluded Tasks Excluded Tasks Standard Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. Additional Service SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | If required per SAP Note, the product support team, or a Top Issue. | not applicable cot applicable cot applicable custom Scope | , n/a |
| 924 925 926 927 928 929 930 931 932 933 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Starristop system Starristop specific Price instance Monitoring Standard technical parameter settings Install, add, and upgrade Pico instances Install, add, and upgrade Pico instances | Standard Servicios Excluded Tasks Excluded Tasks Excluded Tasks Standard Servicios Standard Servicios | If required per SAP Note, the product support team, or a Top Issue. | not applicable cot applicable cot applicable not applicable not applicable not applicable not applicable | , n/a |
| 924 925 926 927 928 929 930 931 932 933 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.08 TO_BRIM_CM_1.2.09 TO_BRIM_CM_1.2.09 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from customer sFTP server to cloud environment sFTP server Starristop system Starristop specific Price instance Monitoring Standard technical parameter settings Install, add, and upgrade Pico instances Install, add, and upgrade Pico instances | Encluded Tasks Standard Services Standard Services Standard Services Standard Services Standard Services Encludent Services Encluden | If required per SAP Note, the product support team, or a Top Issue. | not applicable cot applicable cot applicable not applicable not applicable not applicable not applicable | , n/a |
| 924 925 926 927 928 929 930 931 932 933 934 935 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.06 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.09 TO_BRIM_CM_1.2.09 TO_BRIM_CM_1.2.10 TO_BRIM_CM_1.2.10 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from outsomer SFTP server to cloud environment sFTP server Starristop system Starristop specific Pico instance Monitoring Standard technical parameter setting and activation with restart Additional parameter settings Install, add, and upgrade Pico instances Import/Export Workflows configuration Maintain External Reference files | Sandard Services Encluded Tasks Encluded Tasks Encluded Tasks Encluded Tasks Sandard Services Standard Services SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer # applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer # applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer # applicable and if the SAP CAS Service is not used. | If required per SAP Note, the product support team, or a Top Issue. | not applicable Applicable Custom Scope | n/a |
| 924 925 926 927 928 929 930 931 932 933 934 935 936 | TO_BRIM_CM_1.1.04 TO_BRIM_CM_1.2.01 TO_BRIM_CM_1.2.02 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.03 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.04 TO_BRIM_CM_1.2.05 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.07 TO_BRIM_CM_1.2.08 TO_BRIM_CM_1.2.09 TO_BRIM_CM_1.2.09 | Install SAP Convergent Mediation Execution Control Standatone (ECSA) set-up Operations Disaster Recovery procedures and testing for reprocessing of events Deletion of collected files after checkpoint batch Push Data Records from outsomer SFTP server to cloud environment sFTP server Starrisop specific Price instance Monitoring Standard technical parameter setting and activation with restart Additional parameter settings Install, add, and upgrade Pico instances ImportExport Workflows configuration | Encluded Tasks Standard Services Standard Services Standard Services Standard Services Standard Services Encludent Services Encluden | If required per SAP Note, the product support team, or a Top Issue. | not applicable Applicable Applicable Outsom Scope | , n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|-----|-------------------|---|---|--|------------------------|--------------|
| 939 | | X37 - SAP Manufacturing Integration and Intelligence | | | | 4 |
| 940 | | Implementation and Configuration | | | | 4. |
| 941 | TO_MII_1.1.01 | Set-up Plant Connectivity (PCo) for SAP Overall Equipment Effectiveness (OEE) Functionality | Excluded Tasks | | not applicable | n/a |
| 942 | TO_MII_1.1.02 | Set-up ALE user | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 943 | TO_MII_1.1.03 | Establish ALE connection to customer's ERP system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 944 | TO_MII_1.1.04 | Execute CTC Template for SAP Overall Equipment Effectiveness (OEE) Management: SAP NetWeaver | Excluded Tasks | | not applicable | n/a |
| 945 | TO_MII_1.1.05 | Execute CTC Template for SAP Overall Equipment Effectiveness (OEE) Management: Integration Interfaces | Excluded Tasks | | not applicable | n/a |
| 946 | TO_MII_1.1.06 | Configure SAP Overall Equipment Effectiveness Management | Excluded Tasks | | not applicable | n/a |
| 947 | TO_MII_1.1.07 | Create XMII Users and perform Roles Assignments | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 948 | | X38 - SAP Manufacturing Execution | | | | |
| 949 | | Operational Set-up | | | | 4 |
| | TO_ME_1.1.01 | Execute CTC Template for SAP NetWeaver Engine Configuration | Standard Services | | not applicable | n/a |
| | TO_ME_1.1.02 | Execute CTC Template for SAP Database Set-up | Standard Services | | not applicable | n/a |
| | TO_ME_1.1.03 | Execute CTC Template for SAP ME Configuration | Excluded Tasks | | not applicable | n/a |
| | TO_ME_1.1.04 | Execute SAP ME Scripts | Excluded Tasks | | not applicable | n/a |
| | TO_ME_1.1.05 | Perform SAP ME and ERP Integration | Excluded Tasks | | not applicable | n/a |
| | TO_ME_1.1.06 | Install Adobe Document Services | Optional Services | | not applicable | n/a |
| 956 | | X39 - R Integration | | | | 4 |
| 957 | | Operational Set-up | | | | 4. |
| 958 | TO_RINT_1.1.02 | Install R Integration Components | Standard Services | R, R Server, and dependent packages are installed independently from the SAP HANA database. | not applicable | n/a |
| 959 | TO_RINT_1.1.03 | Perform technical post-installation tasks | Standard Services | Set-up SAP HANA configuration for index and XS Engine parameters for R Integration. Set-up R Server authentication and authorization. Provision cloud environment specific user and roles for R Integration. Configure and set-up R Integration nodes for each tenant database including, service initialization, coloxid access, delivery units, and verification. | | n/a |
| 960 | TO_RINT_1.1.04 | R Integration - Additional hosts set-up for High Availability (HA) | Optional Services | Including R Integration group set-up, For R Integration LoadBalancer set-up, check R&R Section "LoadBalancer". | not applicable | n/a |
| 961 | | X40 - SAP SQL Anywhere - Mobilink | | | | 4 |
| 962 | | Implementation and Configuration | | | | |
| 963 | TO_SQLA_ML_1.1.01 | Install and activate SQLAnywhere Mobilink Services | Standard Services | Install and set-up of SQLA Mobilink Server including any support package and patch updates. Import of Mobilink system object to consolidated database. Note: Prior to Mobilink install, an SAP HANA database should already be provisioned as a consolidated database. | not applicable | n/a |
| 964 | TO_SQLA_ML_1.1.02 | Perform technical post-installation tasks | Standard Services | Activate Mobilink roles, privileges and object access for monitoring and operations. Provision cloud environment specific user and roles. Configure and set-up Mobilink nodes for each SAP HANA tenant database including, service initialization, delivery units and verification. | not applicable | n/a |
| 965 | TO_SQLA_ML_1.1.03 | Mobilink - Single Sign On (SSO) Set-up | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| 966 | TO_SQLA_ML_1.1.04 | Mobilink - Additional Host Set-up for High Availability (HA) | Optional Services | Add and configuring additional hosts for high availability set-up. For multi-tenant set-up, Mobilink nodes are added exclusively to each tenant database. For Mobilink LoadBalancer set-up, check R&R Section "LoadBalancer". | not applicable | n/a |
| 967 | TO_SQLA_ML_1.1.05 | Set-up and configure synchronization scripts | Excluded Tasks | Configure synchronization script for upload and download of data between remote and consolidated databases. | not applicable | n/a |
| 968 | | X41 - SAP Analytics Cloud | | | | 4. |
| 969 | | SAP Analytics Cloud Tenant | | | | 1. |
| 970 | TO_SAC_1.1.01 | Establish connection between SAP Analytics Cloud and managed system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 971 | TO_SAC_1.1.02 | Set-up Single Sign On (SSO) communication with Principle Propagation from SAP Analytics Cloud to SAP S/4HANA | Excluded Tasks | Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable | n/a |
| | TO_SAC_1.1.03 | Create or change user/roles or SAP as Identity Provider | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 973 | | SAP Analytics Cloud Agent | | | | |
| 974 | TO_SAC_1.2.01 | Install SAP Analytics Cloud Agent | Standard Services | | not applicable | n/a |
| 975 | TO_SAC_1.2.02 | Configure SAP Analytics agent - Cloud Connector | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| | TO_SAC_1.2.02A | Configure SAP Analytics - Java Connector | Standard Services | | not applicable | n/a |
| 977 | TO_SAC_1.2.03 | Configure SAP Analytics Cloud with connections requiring SAP Analytics agent such as SAP S/4HANA, ERP | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 978 | | SAP S/4HANA Tasks for SAP Analytics Cloud | | | | 4. |
| 979 | TO_SAC_1.3.01 | Configure STRUST for SSL settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 980 | TO_SAC_1.3.02 | Activate Embedded BW content (BEx queries etc.) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 981 | TO_SAC_1.3.03 | Enable INA for Analytics Cloud | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 982 | TO_SAC_1.3.04 | Enable CORS Analytics Cloud and edit allowlist | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|------|-------------------|---|---|---|--|--------------|
| 983 | i deritii ei | X42 - SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) | Responsibility | Nemarks | . CAS Fackage | |
| 984 | | Global Account and Subaccount(s) | | | | |
| 985 | TO_BTP_1.1.01 | Create or change subaccounts related to cloud system (DEV, QAS, PRD etc.) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 986 | TO_BTP_1.1.01_PCE | Create or change subaccounts related to managed system (DEV, QAS, PRD etc.) - SAP Forms by Adobe (Adobe Document Services/ADS) | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Create sub account for ADS processing in SAP-owned global account. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | not applicable | n/a |
| 987 | TO_BTP_1.1.02 | Create or change entitlements in the Global Account | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | *** | A1 |
| 988 | TO_BTP_1.1.03 | Activate Business Technology Platform service(s) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 989 | TO_BTP_1.1.03_PCE | Activate Business Technology Platform service(s) - SAP Forms by Adobe (Adobe Document Services/ADS) | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Enable ADS service in BTP subaccount (created in SAP-owned global account). Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | | n/a |
| 990 | TO_BTP_1.1.04 | Create or change user/roles | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 991 | TO_BTP_1.1.04_PCE | Create or change user/roles - SAP Forms by Adobe (Adobe Document Services/ADS) | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: In SAP-owned global account - Perform basic role assignment; Assign relevant user to ADSAdmin role; Assign relevant user to ADSCaller role. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | not applicable | n/a |
| 992 | TO_BTP_1.1.05 | Create or change connectivity destinations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 993 | TO_BTP_1.1.05_PCE | Create or change connectivity destinations - SAP Forms by Adobe (Adobe Document Services/ADS) | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Create destination for ABAP backend system. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | not applicable | n/a |
| 994 | TO_BTP_1.1.06 | Manage certificates (issue, import, export) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 995 | TO_BTP_1.1.07 | Create or change custom application domains settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 996 | TO_BTP_1.1.08_PCE | Create subaccounts related to S/4 PCE system for BTP starter pack | Standard Services | Limited to One (1) for non-production tier and One (1) for production tier. Includes Cloud Foundry enablement and Default Space creation and core services activation. | not applicable | n/a |
| 997 | TO_BTP_1.1.09_PCE | Application subscription and subaccount configuration to integrate and establish connectivity with S/4 HANA PCE | Standard Services | Example: LBN shipper, LBN Carrier sub-account related activities. | not applicable | n/a |
| 998 | | Identity Provider | | | | |
| 999 | TO_BTP_1.2.01 | Configure local provider settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1000 | TO_BTP_1.2.02 | Configure Trust Relationships and Federation Settings for external Identity Providers (e.g. Microsoft, Okta) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1001 | TO_BTP_1.2.03 | Configure Trust Relationships and Federation Settings for SAP Identity Authentication Tenant | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1002 | TO_BTP_1.2.04 | Configure Principle Propagation Business Technology Platform, SAP Cloud Connector and SAP S/4HANA | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1003 | TO_BTP_1.2.05 | Activate CERTRULE for the purpose of client based certificates | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | If an existing SAP S/4HANA system is to be used for the integration. | Application Operations | A1 |
| 1004 | TO_BTP_1.2.06 | User Migration to Business Technology Platform Identity Authentication Tenant | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1005 | | SAP S/4HANA Tasks for SAP Business Technology Platform - BTP (formerly SAP Cloud Platform) | | | | |
| 1006 | TO_BTP_1.3.01 | Configure STRUST for SSL settings | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1007 | TO_BTP_1.3.01_PCE | Configure STRUST for SSL settings - SAP Forms by Adobe (Adobe Document Services/ADS) | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Import the required security certificates into AS ABAP. Limited to S/4HANA and SAP ERP Central Component (SAP ECC) deployments. | not applicable | n/a |
| 1008 | TO_BTP_1.3.02 | Activate ICF nodes required for sample Apps to be enabled | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1009 | TO_BTP_1.3.03 | Activate OData Services required for sample Apps to be enabled | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1010 | TO_BTP_1.3.04 | Enterprise Search Enablement (ESH) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1011 | TO_BTP_1.3.05 | Create authorization role in backend system for OData processing | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | For relevant sample Apps. | Application Operations | A1 |
| 1012 | TO_BTP_1.3.06 | Activate Embedded BW content for Analytical Fiori Apps | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1013 | TO_BTP_1.3.07 | Enable INA for Analytical SAP Fiori Apps | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1014 | TO_BTP_1.3.08 | Establish backend connectivity to Business Technology Platform Forms by Adobe | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Enables generation of print and interactive forms using Adobe Document Services (ADS); includes mandatory baseline configuration. | Application Operations | A1 |
| 1015 | TO_BTP_1.3.08_PCE | Establish backend connectivity to Business Technology Platform Forms by Adobe - Create and configure an RFC destination for SAP Forms by Adobe in AS ABAP | Standard Services | For X43 - SAP Forms by Adobe (Adobe Document Services/ADS) only: Create and configure an RFC destination for SAP Forms by Adobe in AS ABAP; Configure ICP Service to enable HTTP communication with SAP Forms by Adobe; Create the service user ADS AGENT. Imitined to SMHAMA and SAP ERP Central Component (SAP ECC) debowments. | not applicable | n/a |
| 1016 | | Portal | | | | |
| 1017 | TO_BTP_1.4.01 | Create or change SAP Fiori Launchpad sites (site directory and site settings) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1018 | TO_BTP_1.4.02 | Create or change roles | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Secure Users & Authorizations | A1, S2 |
| 1019 | TO_BTP_1.4.03 | Create or change groups including role assignment | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations or Secure Users & Authorizations | A1, S2 |
| 1020 | TO_BTP_1.4.04 | Create or change catalogs including role assignment | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | | A1, S2 |
| 1021 | TO_BTP_1.4.05 | Enable SAP Fiori sample apps and perform required connectivity set-up | SAP Cloud Applications ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| | · | + | performed by customer if applicable and if the SAP CAS Service is not used. | | + | - |

| low | Identifier | Task | Responsibility | Remarks | CAS Package | Package Co |
|------------------------|----------------|---|--|--|--|------------|
| 022 | | X43 - SAP Forms by Adobe (Adobe Document Services/ADS) | SAP Cloud Connector and SAP Business Technology Platform - BTP (formerly SAP | | | |
| | | | Cloud Platform) are prerequisites. | | | |
| 123 | | Installation and Configuration | | | | |
| 124 T | TO_ADS_1.1.01 | Test ADS functionality and create test PDF | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Test and check communications and functionality. Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in | Regression Testing | U1 |
| noe. | | Data Migration from on premise ADS to ADS on BTP - customer account | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | a customer owned BTP account. Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Annination Operations | A1 |
|)25 T | TO_ADS_1.1.02 | Data Migration from on premise ADS to ADS on BTP - customer account | performed by customer if applicable and if the SAP CAS Service is not used. | Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Application Operations | AT |
| 126 T | TO_ADS_1.1.02A | Data Migration from on premise ADS to ADS on BTP - SAP account | Standard Services | Only applicable when SAP Forms by Adobe (Adobe Document Services/ADS) is set up in SAP-owned global BTP account | not applicable | n/a |
| | | Configure Fonts and Print Information using XDC and XCI Files - customer account | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Application Operations | A1 |
| 727 T | TO_ADS_1.1.03 | Configure Forts and First Information using ADC and ACT Files - customer account | performed by customer if applicable and if the SAP CAS Service is not used. | Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Application Operations | AI |
| 28 T | TO_ADS_1.1.03A | Configure Fonts and Print Information using XDC and XCI Files - SAP account | Standard Services | Only applicable when SAP Forms by Adobe (Adobe Document Services/ADS) is set up in SAP-owned global BTP account | not applicable | n/a |
| 020 | | Configure document security - customer account | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Application Operations | Δ1 |
| T | TO_ADS_1.1.04 | Configure decument accounty customer decount | performed by customer if applicable and if the SAP CAS Service is not used. | Applicable if Oral Tolling by Audob Charles Declaring Control of Tolling and T | у францион ороницина | 741 |
| 030 T | O_ADS_1.1.04A | Configure document security - SAP account | Standard Services | Only applicable when SAP Forms by Adobe (Adobe Document Services/ADS) is set up in SAP-owned global BTP account | not applicable | n/a |
| 204 | | Configure job profiles- customer account | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Applicable if SAP Forms by Adobe (Adobe Document Services/ADS) is configured in an customer owned BTP account. | Application Operations | A1 |
| т. Т | TO_ADS_1.1.05 | | performed by customer if applicable and if the SAP CAS Service is not used. | | | 1 |
| 032 T | O_ADS_1.1.05A | Configure job profiles - SAP account | Standard Services | Only applicable when SAP Forms by Adobe (Adobe Document Services/ADS) is set up in SAP-owned global BTP account | not applicable | n/a |
| 033 | | X44 - SAP Enterprise Threat Detection (ETD) | | | | |
| 034 | | Installation | | | | |
| | TO_ETD_1.1.01 | Create specific SAP HANA tenant for ETD | Standard Services | | not applicable | n/a |
| | O ETD 1.1.04 | Import the ETD delivery unit | Standard Services | | not applicable | n/a |
| 037 | | Configuration | | | | |
| | TO_ETD_1.2.01 | Create ETD service users in SAP HANA independent of source systems | Standard Services | Users to be created: ETD_DATA_COMMITTER, ETD_DART_COMMITTER;SDS_ADMIN;ETD_BATCH. | not applicable | n/a |
| | O_ETD_1.2.02 | Create dependent source system user: SDS_RT_ <sid></sid> | Excluded Tasks | SOURCE OF STREET, STATE COMMITTEE, ETP_DATE_COMMITTEE, DESCRIPTION. | not applicable | n/a |
| 110 | | | | For its passagation in ETD HANA and a distinct DHAI above | | n/a XX |
| D40 T | TO_ETD_1.2.03 | Schedule individual background jobs | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | For job scheduling in ETD HANA only, during RUN phase. | Custom Scope | XX |
| | | Initialize ETD | performed by customer if applicable and if the SAP CAS Service is not used. | Customer owned user with role sap.secmon.db::EtdAdmin must open the following URL in order to finish the installation: | Custom Scope | XX |
| J ⁴ 1 T | TO_ETD_1.2.04 | IIIIIIalize E I D | Excluded Tasks | Customer owned user with role sap.secmon.db::EtdAdmin must open the following URL in order to finish the installation: https:// <host>:<ports install="" linish.xsjs.<="" p="" sap="" secmon="" services=""></ports></host> | Cusiom Scope | ** |
| 042 T | TO_ETD_1.2.05 | Provision initial ETDAdmin Administrator | Standard Services | Inter-in-hour-spore/source/services/instal/initistr.xsjs. | not applicable | n/a |
| | TO ETD 1.2.06 | Define namespaces | Excluded Tasks | Performed through customer user account. | not applicable | n/a |
| | O_E1D_1.2.06 | | | Performed through customer user account. | not applicable | II/d |
|)44 | | Apache Kafka | For version 2.0 SP 02 and above. | | | |
| | TO_ETD_1.3.04 | Install Kafka | Excluded Tasks | Customer must provide Kafka cluster. | not applicable | n/a |
| 46 | | Streaming solution based on HANA Streaming Analytics | For version 2.0 SP 02 and below. | | | |
| 47 T | O_ETD_1.4.05 | Install SAP HANA Streaming Analytics Option (Formerly Smart Data Streaming/SDS) | Standard Services | For cluster set-up see SAP HANA: Streaming Analytics Option (Formerly Smart Data Streaming SDS). | not applicable | n/a |
| 18 T | O_ETD_1.4.06 | Run ETD installation script for SDS data service, projects and adapters | Standard Services | | not applicable | n/a |
| 49 T | O_ETD_1.4.07 | Enable configuration checks | Excluded Tasks | | Custom Scope | XX |
| 50 T | O_ETD_1.4.08 | Enable custom configuration checks | Excluded Tasks | | not applicable | n/a |
| 51 | | Streaming solution based on ETD streaming | For version 2.0 SP 02 and above. | | | |
| | TO_ETD_1.5.16 | Run ETD installation script for ETD streaming | Excluded Tasks | T | not applicable | n/a |
| | O_ETD_1.5.17 | Install individual components of ETD streaming | Excluded Tasks | | Custom Scope | XX |
| 54 | O_EID_1.5.17 | Connecting new source systems to ETD | For new source system connection to SAP during run phase. | | Custom Scope | ^^ |
| cc | | | | | * | |
| 55 T | O_ETD_1.6.05 | Configure provisioning logs from SAP NetWeaver ABAP based system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | not applicable | n/a |
| 56 - | | Configure provisioning logs from SAP HANA-based system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| T oc | TO_ETD_1.6.06 | Conligure provisioning logs from SAP HANA-based system | performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | ^^ |
| 57 _ | | Configure provisioning logs from SAP NetWeaver JAVA-based system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| ٥, L | TO_ETD_1.6.07 | Conligure provisioning logs from SAF Netweaver SAVA-based system | performed by customer if applicable and if the SAP CAS Service is not used. | | Custom Scope | ^^ |
| 58 _ | | Configure provisioning logs from other systems including OS | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Custom Scope | XX |
| ~ T | TO_ETD_1.6.08 | Comingate provisioning logo from carer systems including 50 | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Outside October | ,,,, |
| 59 | | Secure communications with new source system | performed by education in approache data in the Oral College to No. 6000. | | | |
| | | Encrypt communications between new source system (ABAP/HANA/JAVA) and HANA | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | For new source system connection to SAP ETD during run phase and there is need for encrypting the communication between the new | Custom Scope | xx |
| ~ T | TO_ETD_1.7.01 | Streaming Analytics | performed by customer if applicable and if the SAP CAS Service is not used. | source system and HANA Streaming Analytics. | Gustom Gcope | ^^ |
| 61 _T | | Encrypt communications between new source system (ABAP/HANA/JAVA) and ETD | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | For new source system connection to SAP ETD during run phase and there is need for encrypting the communication between the new | Custom Scope | XX |
| - T | O_ETD_1.7.02 | Streaming | performed by customer if applicable and if the SAP CAS Service is not used. | source system and ETD Streaming Analytics. | осоро | ,,,, |
| 62 | | Content Delivery | The second secon | | | |
| 63 | | Import New Content Packages | | For run phase. SAP regularly delivers configurable standard content packages with predefined patterns to expand the attack detection | Custom Scope | XX |
| T | TO_ETD_1.8.01 | | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | scope of SAP Enterprise Threat Detection. Customers can use the Content Delivery app to see which content packages are already | ocope | ~~ |
| - 1 | | | performed by customer if applicable and if the SAP CAS Service is not used. | imported and import new content packages. | | 1 |
| 54 | | X45 - Zscaler ZPA Connector | | | | |
| 65 | | Implementation and Configuration | | | | |
| | TO_ZPA_1.1.01 | Install ZPA Connector and required OS packages | Optional Services | | not applicable | n/a |
| | TO_ZPA_1.1.01 | | | | | |
| | | Configure ZPA Connector | Optional Services | | not applicable | n/a |
| | O_ZPA_1.1.03 | Allowlist ZPA Connector IP addresses in LoadBalancer | Optional Services | | not applicable | n/a |
| | O_ZPA_1.1.04 | Configure connector in ZPA Admin Console | Excluded Tasks | | not applicable | n/a |
| | O_ZPA_1.1.05 | Provision ZPA Connector provisioning keys | Excluded Tasks | | not applicable | n/a |
| | TO_ZPA_1.1.06 | Install client software | Excluded Tasks | | not applicable | n/a |
| | TO_ZPA_1.1.07 | Client and end-user support | Excluded Tasks | | not applicable | n/a |
| | TO_ZPA_1.1.08 | Sizing of required number of connectors | Excluded Tasks | | not applicable | n/a |
| 4 T | TO_ZPA_1.1.09 | Integration with customer's IDP (SAML) | Excluded Tasks | | not applicable | n/a |
| | O_ZPA_1.1.10 | Install provisioning keys | Optional Services | | not applicable | n/a |
| 6 | | X46 - SAP Omnichannel Banking (OCB) | | | | |
| | | Implementation and Configuration | | | | |
| | TO OCB 1.1.01 | Install Tomcat | Optional Services | | not applicable | n/a |
| 77 | | | | | not applicable not applicable | n/a n/a |
| 77 78 T | | | | | | |
| 77 78 T 79 T | TO_OCB_1.1.02 | Install OCB software Retail Banking or Business Banking (Digital) | Standard Services | Desired and form took for authors for CAD and on WAD flow and Contents are sided authorized WAD 71 | | |
| 7 8 T 9 T 0 T | | Install OCB software Retail Banking or Business Banking (Digital) Deploy Business Central and deploy Platform with customized WAR files Develop WAR files | Standard Services Excluded Tasks Excluded Tasks | Provider performs task for customer for SAP product WAR files and Customer provided customized WAR files | not applicable not applicable not applicable | n/a n/a |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|---|--|--|--|---|---|---|
| 1082 | | X48 - Redwood RunMyJobs | | | 4 | |
| 1083 | | Installation and Configuration | | | <u> </u> | |
| | O_RMJ_1.1.01 | Install Redwood platform agent and configure as Secure gateway | Standard Services | Installation and configuration of the agent on dedicated VMs. Installation of agents on servers running on managed systems is not allowed. | not applicable | n/a |
| | O_RMJ_1.1.02 | Monitor agent | Standard Services | | not applicable | n/a |
| | O_RMJ_1.1.03 | Restart agent | Standard Services | | not applicable | n/a |
| | O_RMJ_1.1.04 | Scheduling of jobs | Excluded Tasks | | not applicable | n/a |
| | O_RMJ_1.1.05 | Manual design and implementation of process definitions | Excluded Tasks | | not applicable | n/a |
| 089 | | X49 - SMTP Relay to Office365 | | | 4 | |
| 090 | | Installation and Configuration | | | | |
| | O_SMTP_1.1.01 | Install smtp relay and required OS packages | Standard Services | | not applicable | n/a |
| | O_SMTP_1.1.02 | Configure smtp relay servers and LoadBalancers | Standard Services | | not applicable | n/a |
| | O_SMTP_1.1.03 | Allowlist of smtp relay IP's/FQDN in LoadBalancer and NSG | Standard Services | | not applicable | n/a |
| | O_SMTP_1.1.04 | Provisioning of certificates for TLS and authentication | Excluded Tasks | | not applicable | n/a |
| | O_SMTP_1.1.05 | Configure systems to use smtp relay server | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| | O_SMTP_1.1.06 | Configure O365 connector in O365 | Excluded Tasks | | not applicable | n/a |
| | O_SMTP_1.1.07 | Install certificates | Standard Services | | not applicable | n/a |
| | O_SMTP_1.1.08 | Restart after failure | Standard Services | | not applicable | n/a |
| | O_SMTP_1.1.09 | Monitor smtp relay service | Standard Services | | not applicable | n/a |
| 100 TC | O_SMTP_1.1.10 | Apply updates | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 101 TC | O_SMTP_1.1.11 | Application troubleshooting including engagement with the vendor's support organization | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Includes engagement with the vendor's support organization. | Application Operations | A1 |
| 102 | | X50 - SAP Data Custodian (SDC) - Integration Service | Subject to availability on a case-by-case basis. SDC provides a subset of | | | |
| | | T | components which are each ordered separately. | | | |
| 103 | 0.000.4404 | Transparency and Control Service (SAP S/4 HANA, ECC) | | | | |
| | O_SDC_1.1.01 | Install on SAP S/4 HANA or ECC | Standard Services | Install on existing SAP S/4 HANA or ECC system with required version provided by customer for SDC integration. | not applicable | n/a |
| 105 TC | O_SDC_1.1.02 | SAP system profile parameters | Standard Services | Service Provider is responsible for executing this task as it can have an impact on system performance and availability. Includes recommendations for technical system parameters. Provider will also adjust parameters by customer request except for certain standardized settings required to maintain system stability or security. For SAP Data Custodian Transparency and Control to work, Service Provider needs to set crofile oarmeter - downtime is recuired due to system estath. | not applicable | n/a |
| 106 TC | O_SDC_1.1.03 | Enable outbound connection via LoadBalancer | Standard Services | Allow outbound connection to SDC tenant. Customer to provide the URL for SDC tenant to allow outbound connection; customer will get this from customer's SDC team during the onboarding process. | not applicable | n/a |
| 107 | | Transparency and Control Service for Infrastructure (Hyperscaler) | | | 1. | |
| | O_SDC_1.1.04A | Create infrastructure components on respective hyperscaler | Standard Services | There are infrastructure components (EventHub, PUB/SUB,S3 etc.) for each Hyperscaler which are required to enable the integration | not applicable | n/a |
| _ | O_SDC_1.1.04 | Onboarding activities including configuring tenant with principal masking, and | Excluded Tasks | service. Performed by customer's SDC team. | not applicable | n/a |
| | | assessments/questionnaires | | | | |
| | O_SDC_1.1.05 | Configure the tenant with the SAP S/4HANA system | Excluded Tasks | | not applicable | n/a |
| 111 IC | O_SDC_1.1.06 O_SDC_1.1.07 | Configure application synchronization for Principal[User] attributes | Excluded Tasks | | not applicable | n/a |
| | | Maintain use case policies in the Data Custodian tenant | Excluded Tasks | | not applicable | n/a |
| | O_SDC_1.1.08 | Remediate incidents for unauthorized accesses in the tenant | Excluded Tasks | | not applicable | n/a |
| | O_SDC_1.1.09 | Generate access log and other reports | Excluded Tasks | | not applicable | n/a |
| 115 | | External Key Management (KMS) Integration | | | | |
| | | | | | | |
| | 0.000.40.04 | Enabling HANA LSS and Keys Migration | | 0 | | |
| | O_SDC_1.2.01 | Installation HANA LSS and Key Migration | Additional Service | Requires HANA 2.0 SP06 or later and HANA encryption to be enabled. | not applicable | n/a |
| 117 TC | | Installation HANA LSS and Key Migration Integration to Data Custodian | | | not applicable | n/a |
| 117 TC 118 119 TC | O_SDC_1.2.01 O_SDC_1.3.01 | Installation HANA LISS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS | Additional Service Additional Service | Requires HANA 2.0 SP06 or later and HANA encryption to be enabled. Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. | | |
| 117 TC 118 119 TC 120 | | Installation HANA LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS X51 - SAP Disclosure Management (DM) | | | not applicable | n/a |
| 117 TC 118 119 TC 120 | O_SDC_1.3.01 | Installation HANA LSS and Key Migration threg ration to Data Custodian integrate HANA to Data Custodian KMS XST - SAP Disclosure Management (DM) Installation | Additional Service | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. | not applicable not applicable | |
| 117 TC 118 119 TC 120 121 122 TC | O_SDC_1.3.01 | Installation HANA. DISTA Cutstodian Integration to DISTA Cutstodian Integrate HANA to Dista Cutstodian KMS X51 - SAP Disclosure Management (DM) Installation Installation | Additional Service Sandard Services | | not applicable not applicable not applicable | n/a n/a n/a |
| 117 TC 118 119 TC 120 121 122 TC 123 TC | O_SDC_1.3.01 | Installation HANA LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS XST - SAP Disclosure Management (DM) Installation Install DM components Install DM components | Additional Service Standard Services Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. | not applicable not applicable not applicable not applicable not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC | O_SDC_1.3.01 | Installation HANA LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM componen | Additional Service Sandard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. | not applicable not applicable not applicable | n/a n/a n/a |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.03 | Installation HANA LSS and Key Migration Integration to Data Custodian Integration to Data Custodian Integrate HANA to Data Custodian KMS XS1 - SAP Disclosure Management (DM) Installation Install DM components Install DM components Install DM content packages Set-up and Configuration | Additional Service Standard Services Clandard Services Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. | not applicable not applicable not applicable not applicable not applicable not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 | Installation HANA LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM componen | Additional Service Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. | not applicable not applicable not applicable not applicable not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 126 TC 127 TC | O SDC_1.3.01 O SDM_1.1.01 O SDM_1.1.02 O SDM_1.1.03 O SDM_1.2.01 O SDM_1.2.01 | Installation HANA.LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM components Install DM components Install DM control packages Set-up and Configuration Post-install configuration | Additional Service Standard Services Standard Ser | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. | not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 126 TC 127 TC 128 TC | O SDC_1.3.01 O SDM_1.1.01 O SDM_1.1.02 O SDM_1.1.03 O SDM_1.2.01 O SDM_1.2.01 O SDM_1.2.02 O SDM_1.2.02 | Installation HANA LSS and Key Migration Integration to Data Custodian in Integrate HANA to Data Custodian (MS XST - SAP Disclosure Management (DM) Installation Install DM components Install DM EMP Installation Install DM EMP Installation | Additional Service Standard Services Standard Services Standard Services Standard Services SPP Cloud Application Services (CAS) available at additional charge. Needs to be SPP Cloud Application Services (CAS) available at additional charge. Needs to be SAP Cloud Application Services (CAS) available at additional charge. Needs to be sape Cloud Application Services (CAS) available at additional charge. Needs to be externmed by customer if applicable and if the SAP CAS Service is not used. | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IlS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Application Application Application Operations Application Operations | n/a n/a n/a n/a n/a n/a n/a n/a |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 TC 127 TC 128 TC 129 TC | O SDC_1.3.01 O SDM_1.1.01 O SDM_1.1.02 O SDM_1.1.03 O SDM_1.2.01 O SDM_1.2.01 | Installation HANA. LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian (MS SX1-SAP Disclosure Management (M) Installation Install DM. components Install DM. explore packages Set-up and Configuration Post-install configuration Configure BW connector Configure BW Application Server SSL/TLS Secure Communication Configure DM. Application Server SSD with Windows AD | Additional Service Standard Services Standard Ser | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. | not applicable Application Operations | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 126 TC 127 TC 128 TC 129 TC 130 | O SDC_1.3.01 O SDM_1.1.01 O SDM_1.1.02 O SDM_1.1.03 O SDM_1.2.01 O SDM_1.2.01 O SDM_1.2.02 O SDM_1.2.02 | Installation HANA LSS and Key Migration Integration to Data Custodian In Integrate HANA to Data Custodian INS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM EMP Components Installation I | Additional Service Standard Services Standard Services Standard Services Standard Services SPP Cloud Application Services (CAS) available at additional charge. Needs to be SPP Cloud Application Services (CAS) available at additional charge. Needs to be SAP Cloud Application Services (CAS) available at additional charge. Needs to be sape Cloud Application Services (CAS) available at additional charge. Needs to be externmed by customer if applicable and if the SAP CAS Service is not used. | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IlS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Application Application Application Operations Application Operations | n/a |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 123 TC 124 TC 125 TC 127 TC 128 TC 129 TC 130 131 | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.03 O_SDM_1.2.04 | Installation HANA. LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian (MS SX1 - SAP Disclosure Management (DM) Installation Install DM components Configure DM explication Post-install configuration Configure DM connector Configure DM Application Server SSL/TLS Secure Communication Configure DM Application Server SSL of the Windows AD XS2 - SAP 3D Visual Enterprise Generator (VEG) Installation | Additional Service Standard Services Standard Ser | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable Application Operations not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 TC 128 TC 129 TC 130 131 132 TC | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.02 O_SDM_1.2.04 O_VEG_1.1.01 | Installation HANA LSS and Key Migration Integration to Data Custodian In Integrate HANA to Data Custodian INS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM SW Component Install DM SW Components Install DM SW Components Installation Instal | Additional Service Standard Services Standard Services Standard Services Standard Services Standard Services SPP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by contoner if applicable and if the SPP CAS Service is not used. Serformed by contoner if applicable and if the SAP CAS Service is not used. Excluded Tasks Standard Services Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IlS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. | not applicable Application Operations Application Operations not applicable not applicable | 0/6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 TC 126 TC 127 TC 128 TC 129 TC 130 131 132 TC 133 TC | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.03 O_SDM_1.2.04 | Installation HANA. LSS and Key Migration Integration to Data Custodian Integrate HANA to Data Custodian KMS X51 - SAP Disclosure Management (DM) Installation Install DM. components Install DM. comprehens Install DM. Springer SM. Comprehens Install Additional VEG. Subordinate host Install Additional VEG. Subordinate host | Additional Service Standard Services Standard Ser | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable Application Operations not applicable | |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 127 TC 128 TC 129 TC 130 131 132 TC 133 TC 134 | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.03 O_SDM_1.2.04 O_VEG_1.1.01 O_VEG_1.1.01 | Installation HANA LSS and Key Migration Integration to Data Custodian In Integrate HANA to Data Custodian INS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM EW Components Install DM EW Components Install DM EW Components Install DM EW Components Install SW Components Install VEG components Ins | Additional Service Standard Services Standard Services Standard Services Standard Services Standard Services SPP Cloud Application Services ("CAS") available at additional charge. Needs to be available and the SPP CAS Service is not used. SPP Cloud Application Services ("CAS") available at additional charge. Needs to be available by a continuent of applicable and if the SPP CAS Service is not used. To be continued to account of applicable and if the SAP CAS Service is not used. Standard Services Standard Services Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable Application Operations Application Operations not applicable not applicable not applicable | 1 |
| 117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 126 TC 127 TC 128 TC 129 TC 130 131 132 TC 133 TC 134 135 TC | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.03 O_SDM_1.2.04 O_VEG_1.1.01 O_VEG_1.1.01 O_VEG_1.2.01 | Installation HANA LSS and Key Migration Integration to Data Custodian Integration to Data Custodian Integration to Data Custodian (MS SX1-SAP Discolorus Management (DM) Installation Insta | Additional Service Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services pertaining to SSO solutions for cloud environment. | not applicable Application Operations Application Operations not applicable not applicable | 0/6 |
| 1117 TC 118 119 TC 120 121 122 TC 123 TC 124 TC 125 126 TC 127 TC 128 TC 129 TC 129 TC 130 131 132 TC 133 TC 134 TC 135 TC 136 TC | O_SDC_1.3.01 O_SDM_1.1.01 O_SDM_1.1.02 O_SDM_1.1.03 O_SDM_1.2.01 O_SDM_1.2.01 O_SDM_1.2.02 O_SDM_1.2.03 O_SDM_1.2.04 O_VEG_1.1.01 O_VEG_1.1.01 | Installation HANA LSS and Key Migration Integration to Data Custodian In Integrate HANA to Data Custodian INS X51 - SAP Disclosure Management (DM) Installation Install DM components Install DM EW Components Install DM EW Components Install DM EW Components Install DM EW Components Install SW Components Install VEG components Ins | Additional Service Standard Services | Customer should have subscription to Data Custodian KMS and completed their on-board. HANA LSS should be installed. IIS Web Server, DM Application Server, Task Engine, XBRL Service, and MS-SQL DB. Scenario based. OS access required. Assistance can be requested via task BASIC_1.1.14. Customer may engage other SAP services pertaining to SSO solutions for cloud environment. IIS Web Server, MSMQ Server, Application Server (Source) with Embedded MS-SQL Express DB. | not applicable | n n n n n n n n n n n n n n n n n n n |

| Row | Identifier | Task | Responsibility | Remarks | CAS Package | Package Code |
|--|---------------|--|---|--|--|----------------|
| 1139 | identinei | X53 - SAP Content Server | Responsibility | Religion | CAS Fackage | r ackage code |
| 1140 | | Installation | | | | |
| 1141 TO SC | CC 1 1 01 | Install Content Server | Standard Services | | not applicable | n/a |
| 1141 TO_SC | | | | | | |
| | US_1.1.02 | Install specific parameter definition | Standard Services | | not applicable | n/a |
| 1143 | | Configure repositories | | | | |
| 1144 TO_SC | CS_1.2.01 | Generate server certificate (in case of SSL enablement) | Standard Services | After CA signing of SAPSSLS pse, certificate should be generated. | not applicable | n/a |
| 1145 TO_SC | CS_1.2.02 | Add server certificate to SYSTEM PSE, SSL Server standard PSE in Strust transaction (in case of SSL enablement) | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Per customer request. | Application Operations | A1 |
| 1146 TO_SC | CS_1.2.03 | Technical configuration of repositories in OAC0 | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Strategic/conceptual decisions to be made by customers/consulting. | Application Operations | A1 |
| 1147 TO_SC | CS_1.2.04 | Connection test via RSCMST | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | Application Operations | A1 |
| 1148 TO_SC | CS_1.2.05 | Set SAPR3 password in customer's backend system | Standard Services | | not applicable | n/a |
| 1149 | | Patch Update | | | | |
| 1150 TO_SC | CS_1.3.01 | SP update for content server version | Standard Services | | not applicable | n/a |
| 1151 TO_SC | CS_1.3.02 | SP update for MaxDB database | Standard Services | | not applicable | n/a |
| 1152 | | Version Upgrade | | | | |
| 1153 TO_SC | CS_1.4.01 | Pre-checks for repository connection | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Connection test via RSCMST for all given repositories needs to be done. | Application Operations | A1 |
| 1154 TO SC | CS 14.02 | Technical Upgrade procedure | Additional Service | | not applicable | n/a |
| 1155 TO_SC | | Post-upgrade configuration changes for repositories | Additional Service | | not applicable | n/a |
| 4450 | _ | Technical post-checks for repository connection | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Connection test via RSCMST for all given repositories needs to be done. | Application Operations | A1 |
| TO_SC | CS_1.4.04 | | performed by customer if applicable and if the SAP CAS Service is not used. | and the second s | - FF | |
| 1157 TO_SC | CS 14.05 | Functional validation of repositories | Excluded Tasks | | not applicable | n/a |
| 1158 | | X54 - SAP HANA Cockpit 2.0 | Execution 1000 | | | |
| 1159 | | Installation and Configuration | | | | _ |
| 4400 | ANA_CP_1.1.03 | Add and Maintain resources (ex: HANA Systems) and resource groups | Excluded Tasks | Configure HANA cockpit deployed on managed landscape to manage HANA systems at customer premises. Customer can perform this | not applicable | n/a |
| | | W 2 1-1 2 | | task with a user provided by service provider. | | |
| | ANA_CP_1.1.04 | Monitor database resource consumption of HANA Cockpit | Standard Services | To detect issues in technical operations. | not applicable | n/a |
| | ANA_CP_1.1.05 | User management | Excluded Tasks | Customer must maintain their users for HANA Cockpit. | not applicable | n/a |
| | ANA_CP_1.1.06 | Update and upgrade of HANA Cockpit | Standard Services | | not applicable | n/a |
| 1164 | | X55 - SAP Focus Run for Solution Manager (FRUN) | | | | |
| 1165 | | Configuration | | | | |
| 1166 TO_FR | RUN_1.1.01 | Allowlist IP addresses of customer's FRUN through managed system's firewall | Standard Services | | not applicable | n/a |
| 1167 TO_FR | RUN_1.1.02 | Create dedicated SSL client PSE in STRUST (self signed or signed by certificate authority) in FRUN | Excluded Tasks | | not applicable | n/a |
| 1168 TO FR | RUN 1.1.03 | Import customer provided certificate into the SAP Host Agent | Standard Services | | not applicable | n/a |
| | RUN_1.1.04 | Enable certificate based authentication to simple diagnostic agent | Standard Services | | not applicable | n/a |
| | RUN_1.1.05 | Configure outside discovery to connect the managed system's Host Agent with customer | Standard Services | | not applicable | n/a |
| | | FRUN system and maintain SLDR | | | | |
| | RUN_1.1.06 | Configure SSI and monitoring in FRUN | Excluded Tasks | | not applicable | n/a |
| 1172 | | X56 - SAP S/4 HANA Integration Tasks for RISE with SAP PCE | | | | |
| 1173 | | Configuration | | | | |
| | 4H_1.1.01_PCE | Configure Outbound internet proxy setting | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| | 4H_1.1.02_PCE | Integration of users and standard business roles | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| | 4H_1.1.03_PCE | SSL configuration | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| | 4H_1.1.04_PCE | Webservices activation - SICF, OData, SOAMANGER, RFC | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| 1178 TO_S4 | 4H_1.1.05_PCE | IMG/SPRO activities | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| 1179 TO_S4 | 4H_1.1.06_PCE | Fiori enablement tasks | Standard Services | Default integration tasks during provisioning only. | not applicable | n/a |
| | 4H_1.1.07_PCE | SLD configuration - RZ70 and Business system configuration | Standard Services | For Ariba Integration starter pack only. Default integration tasks during provisioning only. | not applicable | n/a |
| 1181 | | X57 - SAP Cloud Application Lifecycle Management (CALM) | | | | |
| 1182 | | Installation and Configuration | | | | |
| | ALM_1.1.01 | Request and provision | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 4404 | ALM_1.1.02 | Basic setup | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| TO CA | | Set-up connectivity to CALM | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 10_04 | ΔIM 1103 | Set-up connectivity to CALM | | | | |
| 1185 TO_CA | ALM_1.1.03 | Set-up connectivity to Cloud TMS | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations | A1 |
| 1185 TO_CA | ALM_1.1.04 | Set-up connectivity to Cloud TMS | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | | ** | |
| 1185 TO_CA 1186 TO_CA 1187 TO_CA | | · · · · | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | | Application Operations Custom Scope Custom Scope | A1 XX XX |

| Row 1189 | Identifier | Task | Responsibility | Remarks | CAS Package | Package C |
|-------------------|------------------------------|--|---|---|---|------------|
| | | X58 - SAP Teamcenter by Siemens | | | | - |
| 190 191 | | Installation and Configuration | | DATE OF THE PARTY | | |
| | TO_TC_1.1.01 | Setup of Teamcenter environment: Initial Build | Standard Services | Initial installation of the Teamcenter Including the Deployment Center, BMIDE 4 tier, Active workspace client builder, MS-SQL DB, web- tier (Tomcat, Active workspace gateway, Enterprise tier (Corporate server, Server manager, Pool Manager, Microservice Node, FSC, Indexer, Indexing Engine) and License Server. | not applicable | n/a |
| | 10_10_1.1.03 | CAD integration (Solidworks, NX etc.) | Excluded Tasks | Client builds of CAD integration are not included. Installation of the CAD integrations are included as part of the License Feature Extension Service as these are additional add-ons to the base build. | not applicable | n/a |
| | TO_TC_1.1.04 | Build client | Excluded Tasks | All 4-Tier client builds on customer desktops are excluded. | not applicable | n/a |
| | TO_TC_1.1.05 | BMIDE client | Excluded Tasks | Customer responsible for managing the BMIDE installation on their desktop. | not applicable | n/a |
| | TO_TC_1.1.06 TO_TC_1.1.07 | Add new Enterprise Tier / Web server to Deployment Center | Optional Services Optional Services | May be required when extending the default reference architecture to include additional server infrastructure. This will generate build scripts from Deployment Center. | not applicable | n/a |
| | TO_TC_1.1.07 | Add new FSC service Restart Teamcenter infrastructure | Standard Services | Add FSC server to enable additional remote file processing and management capability. As part of planned maintenance or issue resolution. | not applicable not applicable | n/a n/a |
| | TO_TC_1.1.09 | Rebuild indexing service | Additional Service | If indexes need to be rebuilt or repaired. Can be triggered to rebuild itself from the command line utility. | not applicable | n/a |
| 99 | TO TC 1.1.10 | Backup: On-Demand - Teamcenter Database and TC_Volume/File Repo Sync | Additional Service | Lead time for backup to be aligned in advance. MS SQL SERVER adhoc database and Teamcenter TC_Volume/File repo back up on | not applicable | n/a |
| 00 | TO_TC_1.1.11 | Restore: On-Demand - Teamcenter Database and TC_Volume/File Repo Sync | Additional Service | demand from customer. Lead time for restore to be aligned in advance. MS SQL SERVER adhoc restore and Teamcenter TC_Volume/File reporestore on | not applicable | n/a |
| 01 | TO TC 1.1.12 | Update / patch Teamcenter components | | demand from customer. Corporate server, Pool Server, web-server/tomcat, BMIDE, Active workspace client builder, FMS/FSC, License Server using Deployment | t not applicable | n/a |
| | TO_TC_1.1.12 | | Standard Services | Center scripts. | | |
| 03 | | Revision upgrade of Teamcenter components License Feature Extension | Additional Service | Using Deployment Center scripts. Extend the installed features of the Teamcenter application to include elements purchased by the customer outside those of the standard | not applicable | n/a n/a |
| | TO_TC_1.1.14 | | Additional Service | build. | ** | |
| | TO_TC_1.1.15 | Add additional features through Deployment Center | Additional Service | Make new license features available to other Teamcenter applications. | not applicable | n/a |
| 205 | TO_TC_1.1.16 | Add BMIDE configurations | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Extend configuration and development tools to accommodate license features purchased by the customer beyond the standard | SAP Applications Operations for SAP | TC |
| 06 | | Generate Active Workspace client build | performed by customer if applicable and if the SAP CAS Service is not used. Additional Service | deployment of Teamcenter. Apply feature extension to the BMIDE application. Generate new WAR file with the additional licensed features added beyond the base build of the application | Teamcenter by Siemens not applicable | n/a |
| | TO_TC_1.1.17 | Deploy new WAR File | Additional Service | Deploy WAR file on the work server | not applicable | n/a |
| 08 | 10_10_1.1.10 | Create new users | | Creation of new client user in the system. For bulk population of the Teamcenter system using the Make, user scripts and Excel based | SAP Applications Operations for SAP | TC |
| | TO_TC_1.1.19 | State for delig | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | User / Role / Group definition template. Customer is responsible for the population of the template; Service Provider will execute the scripts. | Teamcenter by Siemens | |
| 09 | TO_TC_1.1.20 | Create new groups | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Creation of new client groups in the system. For bulk population of the Teamcenter system using the Make_user scripts and Excel based User / Role / Group definition template. Customer is responsible for the population of the template; Service Provider will execute the scripts. | d SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 0 | TO_TC_1.1.21 | Create new roles | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Creation of new client role groups in the system. For bulk population of the Teamcenter system using the Make_user scripts and Excel based User / Role / Group definition template. Customer is responsible for the population of the template; Service Provider will execute the scripts. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 11 | TO_TC_1.1.22 | Apply ADA license configuration | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Manage user license assignment within the application. ADA licenses are required for complex data access scenarios where specific | SAP Applications Operations for SAP | TC |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | licenses are required to be able to view and consume information. Requires user administration and license assignment. | Teamcenter by Siemens | T0 |
| 12 | TO_TC_1.1.23 | Teamcenter license assignment | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Management and application of licenses to users within Teamcenter. | SAP Applications Operations for SAP Teamcenter by Siemens SAP Applications Operations for SAP | TC |
| 13 | TO_TC_1.1.24 | Activate/de-activate users | performed by customer if applicable and if the SAP CAS Service is not used. | Activating and deactivating user accounts. A deactivated account will no longer be able to login to Teamcenter, however data owned or records about the user are retained in the system. Unused licenses are returned to the pool. | Teamcenter by Siemens | 10 |
| 14 | TO_TC_1.1.25 | Deploy BMIDE template | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | A deployment package is created by the customer for deployment following the configuration extension of Teamcenter. The BMIDE application is used to trigger a deployment of the configuration in to the specific environment required. This action should be preceded with a system backup. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 15 | TO_TC_1.1.26 | Deploy development configuration to production system | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Copy the development environment and deploy configuration to PRD as part of Release Management. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 16 | TO_TC_1.1.27 | Manage BMIDE template | Excluded Tasks | Customer responsibility to manage and maintain the source BMIDE template and to verify the template being deployed. | not applicable | n/a |
| | TO_TC_1.1.28 | Export configuration package | Additional Service | Export the BMIDE package from the Teamcenter systems as a baseline configuration package. | not applicable | n/a |
| 18 | TO_TC_1.1.29 | Create new volume | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Create a Teamcenter volume for data storage. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 19 | TO_TC_1.1.30 | Setup volume access | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Enable user access to Teamcenter volume. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 20 | TO_TC_1.1.31 | Change group volume access | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Change group access to Teamcenter volume. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 21 | TO_TC_1.1.32 | Run clearlocks | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Run the clearlock process to unlock any lock data objects in the system caused by stale sessions or crashed toserver processes | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 22 | TO_TC_1.1.33 | Run Release_Man | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Un-release status data from the system. | SAP Applications Operations for SAP | TC |
| 23 | TO_TC_1.1.34 | Administrate locked workflows | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Resolve locked workflows. | Teamcenter by Siemens SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 24 | TO_TC_1.1.35 | Update database indexes | performed by customer if applicable and if the SAP CAS Service is not used. SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Update SQL Server indexes for the purpose of performance tuning. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 25 | TO_TC_1.1.36 | Troubleshoot Teamcenter system performance issues (technical root causes within cloud service scope) | Standard Services | Based on the result of an initial assessment. Troubleshooting by Service Provider is only performed in situations caused by technical issues within the service scope and where the system performance lies outside usual and expectable behavior (e.g. as it has shown in the oast in commarable load situations). | not applicable | n/a |
| 26 | TO_TC_1.1.37 | Create classification hierarchy | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Treates in combatable load studenties. Create structure inside Teamcenter that enable the user to associate a business object for the purpose of reuse, easy identification or definition of common parts structures. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 27 | TO_TC_1.1.38 | Create new classification attribute | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Create information required about business objects being classified under this branch of the hierarchy. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 228 | TO_TC_1.1.39 | Classify information | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Ability to associate and populate the business object to the classification structure. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 229 | TO_TC_1.1.40 | Remove classified data | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Removal of an object classification. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 230 | TO_TC_1.1.41 | Remove classified hierarchies | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Remove branches of the classification structure. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 231 | TO_TC_1.1.42 | Workflow import | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be performed by customer if applicable and if the SAP CAS Service is not used. | Import workflows. | SAP Applications Operations for SAP Teamcenter by Siemens | TC |
| 232 | TO_TC_1.1.43 | Workflow export | SAP Cloud Application Services ("CAS") available at additional charge. Needs to be | Export workflows. | SAP Applications Operations for SAP | TC |
| | | | performed by customer if applicable and if the SAP CAS Service is not used. | | Teamcenter by Siemens | |

| Package Name | Code 2 | Category |
|---|-----------|----------------------------|
| Application Operations | A1 | Application |
| Advanced Job Management | A2 | Application |
| Audit Readiness | C1 | Compliance |
| Custom Scope | XX | Custom |
| Data Environment Health Checks | D1 | Data |
| Data Integration | D2 | Data |
| Data Lifecycle Management | D3 | Data |
| Data Quality Management | D4 | Data |
| Data Quality Optimization | D5 | Data |
| Data Volume Optimization | D6 | Data |
| Cloud Integration Testing | l1 | Integration |
| Application Monitoring | M1 | Monitoring |
| Customer Application Monitoring | M2 | Monitoring |
| Performance Testing | P1 | Performance |
| Performance Optimization | P2 | Performance |
| Proactive Performance Management | Р3 | Performance |
| Application Security Updates | S1 | Security / Users |
| Secure Users & Authorizations | S2 | Security / Users |
| Segregation of Duties Check | S3 | Security / Users |
| Regression Testing | U1 | Upgrade/Update/Maintenance |
| Release Planning & Execution | U2 | Upgrade/Update/Maintenance |
| Release Version Upgrade | U3 | Upgrade/Update/Maintenance |
| Solution Manager - ChaRM | U4 | Upgrade/Update/Maintenance |
| SAP Applications Operations for SAP Teamcenter by Siemens | TC | Teamcenter |