**Computerized Maintenance Management System (CMMS)**

***CMBD ID 11461***

**Traceability Matrix**

**Document Approval**

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# Traceability Matrix

The traceability matrix documents the trail of a user requirement specification (URS), through functional specification (FS), design specification (DS), system test and user acceptance test (UAT), ensuring that all requirements are addressed in the system, and that all testing corresponds to a requirement.

System Testing and User Acceptance Testing are recorded in HP-ALM or myCIMS. The path to CMMS testing phases in HP-ALM is as follows:

Domain: POIT

Project: CMMS

System Testing and User Acceptance Testing are recorded with Test ID’s referenced in the corresponding System Test Script and UAT Script sections.

| **URS** | | **FS** | | **DS** | | **System Test** | | **UAT** | | **Procedural Controls ID / Version** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** |
| BR 1.4 | The system shall allow for routing functionality within the application. | FR 6.1.1 | The system will contain new workflow, menu and security group configuration. | DS1-01 | Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.1  ARC-0000007778  ITPD-39015 | Test Script 1- Work Request-MFG\_ENG  Executed CMMS VAL Functional Test Scripts  Application Configuration Verification – Production | N/A | None |
| BR 4.10 | The system will have ability to assign multiple pieces of equipment to a work order. | FR 6.1.2 | The system will ensure that the equipment location on PM schedules will stay current with the location on the equipment record. | DS1-02 | Installation Parameter CASCLOC is set to ‘YES’ | N/A | N/A | ITPD-37518  ARC-0000007778  ITPD-39015  Test ID: 20 - Run ID: 23  ALM 15  Test ID 172  Run ID 189  Step(s) 5, 11  ALM 15  Test ID 172  Run ID 328  Step(s) 5, 11 | Test Script 6- PM Work orders  Executed CMMS VAL Functional Test Scripts  Application Configuration Verification – Production  Step 3  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 1.8 | The system shall have the capability to configure field name labels, where appropriate, in order to comply with corporate nomenclature. | FR 6.1.4 | All displayed dates should be of the format “DD-MMM-YYYY”. | DS1-04 | The date format is set within Locales screen. The date format is DD-MON-RRRR which translates into DD-MMM-YYYY. | N/A | N/A | ITPD-37518 TS 1.1  ARC-0000007778  ITPD-39015  Test ID: 20 - Run ID: 23  ALM 15  Test ID 176  Run ID 202  Step(s) 6, 7 | Test Script 1- Work Request-MFG\_ENG  Executed CMMS VAL Functional Test Scripts  Application Configuration Verification – Production  Step 2  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 1.8 | The system shall have the capability to configure field name labels, where appropriate, in order to comply with corporate nomenclature | FR 6.1.5 | Whenever time is displayed or entered the 24-hr clock should be used. | DS1-05 | Default setting. Unable to modify. 24 hour clock is the only time that is used. | N/A | N/A | ITPD-37518 TS 1.2  ARC-0000007778  Test ID: 20 - Run ID: 23 | Test Script 2- Reminders  Executed CMMS VAL Functional Test Scripts  Step(s) 2, 11 | N/A | None |
| BR 1.1 | DELETED ~~The system shall be capable of supporting the entire enterprise with respect to geography, multiple organizations, multiple languages and multiple currencies, and be available to all authorized users 24 hours a day, 7 days a week except for planned maintenance or upgrades.~~ | FR 6.1.6 | The system must support multiple time zones by organization. | DS1-06 | Server time offset field on the Organization | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  Test ID: 20 - Run ID: 23  VFire 839084 JIRA EMS-537  ALM 15  Test ID 170  Run ID 186  All steps | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  Step 10  These references correspond to the request that were used to track the addition of the ZUG Org.  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.2 | The system shall provide standard reports, as well as the ability for a user to create and save searches. | FR 6.1.7 | CMMS built-in Cognos reporting functionality will be used for reporting. | DS1-07 | Default reporting tool. | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 13  Test ID: 276  -Run ID: 438  -Step(s): 13  ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 5 – 6 | Generate WO data and print a standard report against it.  Verify that Work Order Checklist items and Lot number for associated Parts display on Work Order reports. | ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ITPD-37518 TS 1.10  ITPD-37518 TS 1.11  ITPD-37518 TS 1.19  ARC-0000007778  Test ID: 20 - Run ID: 23  ALM 15  Test ID 221  Run ID 334  Step(s) 3 - 9 | Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8- Non PM Work Orders (Corrective WO)  Test Script 10- PM Change Simple  Test Script 11- PM Change Complex  Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  Step 1  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
|  |  |  |  | DS1-07-1 | Cognos Work order reports provide work order details.  The following reports are provided:  1. Calibration Label Report - Manual  2. Calibration Label Report – Work Order Screen  3. All Parts in Storeroom Bins  4. Checklist Report  5. Confirmation of Calibration  6. Equipment Status Report  7. Maintenance PM Report – Detailed  8. Maintenance PM Report – Summary  9. Open Work Order Report  10. Overdue Work Orders  11. PM Forecast  12. Reverse Traceability  13. Work Order Print (BIIB Custom)  14. Work Order Print (BIIB Custom)-Detailed  15. CRA?SIA Request Report  16. Job Plan Revision Change Details  17. Job Plan Revision Change Details (tab)  18. Material List Revision Change Details  19. Material List Revision Change Details (tab)  20. PM Schedule Revision Change Details  21. PM Schedule Revision Change Details (tab)  22. Route Revision Change Details  23. Route Revision Change Details (tab)  See DS section Appendix C. Reports 2. Custom, validated reports for details for each report. | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 16-18 | CHG0148750 - Bug Enhancements OQ | N/A | N/A | N/A | None |
| BR 7.2 | The system shall provide standard reports, as well as the ability for a user to create and save searches. | FR 6.1.8 | Standard CMMS reports will be enabled as per business need. | DS1-08 | All reports are available to all user groups. | N/A | N/A | ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ITPD-37518 TS 1.10  ITPD-37518 TS 1.11  ITPD-37518 TS 1.19  ARC-0000007778  Test ID: 20 - Run ID: 23 | Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8- Non PM Work Orders (Corrective WO)  Test Script 10- PM Change Simple  Test Script 11- PM Change Complex  Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  Step 1 | N/A | None |
| BR 10.1 | The system shall provide the ability to interface with active directory | FR 6.1.9 | The system will use LDAP authentication which enables standard network username and password to be used for application login and facilitates enforcement of corporate IT security policy. | DS1-09 | Installation Parameter LGNEAM is set to ‘LDAP’  Ldapconf.xml file needs to be on the application server. | ALM 15  Test ID: 183  -Run ID: 454  -Step(s): 1, 3, 4 | Confirm LDAP authentication on login and LDAP servlet URL. | ITPD-37518 TS 1.1  ARC-0000007778 | Test Script 1- Work Request-MFG\_ENG  Executed CMMS VAL Functional Test Scripts | N/A | None |
| DS1-18 | Installation parameter PASSRSET is set to NO as passwords are controlled externally from CMMS through Active DIrectory. | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Step 1 | CHG0148750 - Bug Enhancements OQ | N/A | N/A | N/A | None |
| BR 3.8 | The system shall be able to route and track revisions to preventative maintenance plans. | FR 6.1.10 | The system will have a revision approval process for PM Schedules, Job Plans, Material Lists, and Routes. | DS1-10 | The native revision control of the application is active. Any changes to a PM Schedule, Job Plan, Material List, or Route will create a new revision of these PM Entities. | N/A | N/A | ITPD-86195 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #1 | N/A | None |
| BR 3.10 | The system shall be able to calculate due dates for preventive maintenance. | FR 6.1.11 | The system will provide the ability to correctly calculate preventative maintenance due dates based on PM Schedule frequency, PM Schedule revisions, and PM Extensions. | DS1-11 | PM due dates should be calculated as part of base functionality of the system based on PM frequency with the generation of PM work orders. Changes to PM due dates altered by PM revisions should be governed by FLEX SQL that checks to keep due dates synchronized. PM extensions should allow the modification of PM due dates on work orders generated by the system.  Flex SQL should prevent PM Work Orders from being generated off approved PM Schedules, if an unfinished revision to the PM Schedule exists with revised Due Date or period frequency for the same Equipment.  Flex will ensure that the Next Calibration Expiration Date on Work Orders is calculated using the Duration on the associated PM Schedule. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 17 - 18  ALM 15  Test ID: 298  -Run ID: 489  -Step(s): 25 - 28 | Verification that a Calibration Work Order’s Next Calibration Expiration Date is calculated with the Duration on the associated PM Schedule.  Verification that the Start and Due Dates are protected for applicable preventive maintenance work. | ITPD-37518 TS 1.5  ARC-0000007778  HP/ALM Test Script ID: 14 Rev.1  Run ID: 18  ALM 15  Test ID 158  Run ID 168  Step(s) 1, 2, 8, 9, 12, 13  ALM 15  Test ID 210  Run ID 310  Step(s) 4 – 11  ALM 15  Test ID 158  Run ID 329  Step(s) 1, 2, 8, 9, 12, 13  ALM 15  Test ID 210  Run ID 335  Step(s) 4 – 11 | Test Script 5- Extensions  Executed CMMS VAL Functional Test Scripts  CR 754602: Executed VAL CMMS Functional Test Script  Objective #1-7  CHG0067632: CMMS VAL executed Functional Test Script  CHG0118269: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 1.1 | DELETED ~~The system shall be capable of supporting the entire enterprise with respect to geography, multiple organizations, multiple languages and multiple currencies, and be available to all authorized users 24 hours a day, 7 days a week except for planned maintenance or upgrades.~~ | FR 6.2.1 | The system will provide the ability to support multiple physical sites (separated geographically), as well as multiple currencies in the same database. | DS2-01 | Locales and Organization supplies this information. | N/A | N/A | ITPD-37518 TS 1.1  ITPD-37518 TS 1.22  ARC-0000007778  ARC-0000007779  ITPD-39015  Test ID: 20 - Run ID: 23  VFire 839084 JIRA EMS-537 | Test Script 1- Work Request-MFG\_ENG  Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  Application Configuration Verification - Production  Step 9  These references correspond to the request that were used to track the addition of the ZUG Org. | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.2.2 | The system will provide the ability to separate data by organization (site), allowing some users access only to their local data, while allowing authorized users to view all data within the database. This viewing will be permitted through validated system screens and reports only. | DS2-02 | User Group, User Organization, Department Level Security and Store Security supplies this information. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  Test ID: 20 - Run ID: 23    ALM 15  Test ID 115  Run ID 104  Steps 1, 2  ALM 15  Test ID 117  Run ID 107  All Steps | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  Step 8  CHG0046471: Executed CMMS VAL Functional Test Scripts  CHG0048273: Executed CMMS VAL Functional Test Scripts  CHG0148750: Planned CMMS VAL Functional Test Scripts | N/A | None |
| BR 1.12 | Ability for users to personalize home page with KPI’s and Inboxes | FR 6.2.4 | Individual system users will be able to customize their home page with relevant inbox and key performance indicators (KPI) information. | DS2-04 | Inboxes and KPI’s need to be defined prior to adding these to the homepage. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 176  Run ID 202  Step(s) 1 – 3  ALM 15  Test ID 221  Run ID 334  Step(s) 1, 11 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| DS2-13 | Planner/Scheduler and Admin users will have access to define Inboxes for all users. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 19 - 22 | N/A | N/A | N/A | N/A | None |
| BR 1.13 | Ability to search for users by User Group. | FR 6.1.12 | The system will allow users to search for other users in the system by using a lookup grid containing these fields: User Code, Employee ID, User Description, Role, Org, Default Org, and Out of Service. | DS1-12 | User Lookup Grid allows users to search for users by name or User Group. See Grid Specifications in Appendix D of the Design Specification. | N/A | N/A | CR# 286298  ITPD-52304  ITPD-53638  ALM 15  Test ID 176  Run ID 202  Step(s) 4, 5 | Test Script 2  Test Plan  Executed CMMS VAL Installation and Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 1.14 | The system shall control and store the list of equipment validated for use in manufacturing a specific product (BOE) | FR 6.1.13 | The system enables authorized users to generate Bill of Equipment records detailing lists of Equipment validated for use in manufacturing a specific product and the status of the Equipment; as well as to associate the Equipment on the BOE with the attribute settings required by the BOE. | DS1-13 | User Defined Screens display BOE Equipment and required attribute settings.   Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B | ALM Testing Test ID: 233 Steps: all steps  Run ID: 367  Test ID: 233 -Run ID: 448  -Steps: all | Regress BOE Setup and Management | N/A | N/A | N/A | N/A |
| BR 1.15 | The system shall control and store product-specific manufacturing parameters (attribute settings). | FR 6.1.14 | A settings tab on the BOE will detail existing Equipment attribute settings relevant to manufacture of the corresponding product. | DS1-14 | User Defined Screen supports attribute settings on BOE.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix C | ALM Testing Test ID: 233 Steps: 3, 8-9, 13-35  Run ID: 367  Test ID: 233 -Run ID: 448  -Steps: 3, 8-9, 13-35 | Regress definition and revision of BOE Settings and Equipment Process Settings | N/A | N/A | N/A | N/A |
| BR 1.16 | The system shall allow the user to select the equipment to be used for a manufacturing campaign from the BOE. (IEL) | FR 6.1.15 | A button will be available on Equipment Change Request (ECR) records to populate the Incoming Equipment List (IEL) from the corresponding BOE. | DS1-15 | User Defined Screen supports generation of IEL via selection of Equipment from a BOE with a customized button.   Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix J for details. | ALM Testing Test ID: 233 -Step(s): 55, 58 Test ID: 240 -Step(s): 12 - 15, 23  Run ID: 365  Test ID: 233 -Run ID: 448  -Steps: 55, 58 | Regress Equipment selection for IEL) | N/A | N/A | N/A | N/A |
| BR 1.17 | The system shall assert SME Review of all BOE and attribute changes. | FR 6.1.16 | BOE will be revision controlled and support an SME review status prior to approval. | DS1-16 | BOE records will be configured as a revision controlled record via the Revision Controlled eRecords Setup screen.   Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix J for details. | ALM Testing Test ID: 233 Steps: 36-37, 44  Run ID: 367  Test ID: 233 -Run ID: 448  -Steps: 36-37, 44 | Confirm SME-only (not available to QA) status change authorization for BOE review. | ALM Testing Test ID: 246 Steps: 9  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 1.18 | The system shall assert QA Review of all BOE with settings listed in PCD. | FR 6.1.17 | BOE will be revision controlled and applicable BOE will support a QA review status prior to approval, independent of the Type values assigned to Settings on the BOE. | DS1-16 | BOE records will be configured as a revision controlled record via the Revision Controlled eRecords Setup screen.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix J for details. | ALM Testing Test ID: 233 Steps: 40-44, 52-53  Run ID: 367 | CHG0137843: CMMS VAL executed Functional Test Script | ALM Testing Test ID: 247 Steps: 3  Run ID: 381  Test ID: 247  -Run ID: 450  -Step(s): 3 | Verify QA Review status. | N/A | N/A |
| BR 1.6 | Users shall be able to define and save viewing properties (Dataspy). | FR 6.2.5 | The system will allow users to alter the viewing structure of screens, such as equipment, job plans (task instructions), preventive maintenance (PM) routines and work orders. The system must also allow users to save the altered layout for future use. | DS2-05 | System Administration functions. Screen Designer functionality. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  Test ID: 20 - Run ID: 23 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  Step 1 | N/A | None |
| BR 1.6 | Users shall be able to define and save viewing properties (Dataspy). | FR 6.2.6 | Individual system users will be able to define and save screen filters and data sorts. | DS2-06 | All users are able to save sorts and filters. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  Test ID: 20 - Run ID: 23  ALM 15  Test ID 158  Run ID 168  Step(s) 19 – 22  ALM 15  Test ID 158  Run ID 329  Step(s) 19 – 22  ALM 15  Test ID 221  Run ID 334  Step(s) 12 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  Step 1  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 1.7 | The system shall be able to store and attach electronic documents throughout the application. | FR 6.2.7 | The system will allow for the storage and attachment of documents, images, and drawings to records such as equipment, work orders, PMs, parts, requisitions, and vendors. | DS2-07 | Documents can be attached to the Documents tab on the equipment, work orders, PMs, parts, requisitions, and vendors records. | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 6  Test ID: 276  -Run ID: 438  -Step(s): 6  ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 14 - 16 | Documents can be attached to records and then downloaded  Verify that updates cannot be made to uploaded documents. | ITPD-37518 TS 1.3  ARC-0000007778  ALM 15  Test ID 164  Run ID 177  Step(s) 2  ALM 15  Test ID 157  Run ID 167  All steps  ALM 15  Test ID 166  Run ID 180  All steps | Test Script 3- New or Update Part Request  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS2-12 | Users will have the ability to view uploaded images of Parts from the Record View tab of Part records. Applicable User Groups will have the ability to upload images of Parts. | ALM 15  Test ID: 298  -Run ID: 490  -Step(s): 45 - 46 | Verify ability for applicable User Groups to upload and view images of Parts. | N/A | N/A | N/A | None |
| BR 1.8 | The system shall have the capability to configure field name labels, where appropriate, in order to comply with corporate nomenclature. | FR 6.2.8 | The system will allow for the configuration of field name labels as appropriate to comply with corporate nomenclature. | DS2-08 | Screen Designer and Global Text Changes allow for this functionality. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  HP/ALM Test Script ID 22 Rev.1  Run ID: 25 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  CR 828068: Executed VAL CMMS Functional Test Script | N/A | None |
| BR 1.9 | DELETED ~~The system shall provide on-screen help and display error messages for all CMMS functional components~~ | FR 6.2.9 | The system will provide pop-up windows identifying and explaining errors when they occur. | DS2-09 | FLEX SQL can also trigger an error with an explanation. | N/A | N/A | ITPD-37518 TS 1.10  ARC-0000007778    ITPD-37518 TS 1.11  ARC-0000007779 | Test Script 10- PM Change Simple  Executed CMMS VAL Functional Test Scripts  Test Script 11- PM Change Complex  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.3.1 | The system will allow for the creation, modification and viewing of equipment, system, and location records. | DS3-01 | Defined at user group and user setup. Department level security | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps: 11 - 18, 23 - 28 | CHG0148750 - Bug Enhancements OQ | ITPD-37518 TS 1.12  ITPD-37518 TS 1.13  ARC-0000007779  ALM 15  Test ID 169  Run ID 197  Step(s) 1, 2, 10 – 12  ALM 15  Test ID 169  Run ID 327  Step(s) 1, 2, 10 - 12 | Test Script 12- Equipment Update Request  Test Script 13- Asset Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.3.2 | The system will be able to maintain equipment records with ID/Equipment numbers up to 20 characters long. | DS3-02 | Defined in the database. Technical Reference guide details 30 character limit. Screen Designer will provide the field details. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| FR 6.3.57 | The equipment status report shall filter out any withdrawn equipment. | DS3-57 | The equipment status report in the Advanced Reports directory shall be configured to filter out any withdrawn equipment. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| BR 3.5 | The system shall be able to store equipment numbers and corresponding detailed information | FR 6.3.4 | The system will allow read-only viewing of equipment move transactions into or out of a location. | DS3-04 | This is located on the Events tab of the Equipment record. | N/A | N/A | ITPD-37518 TS 1.12  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 1  ALM 15  Test ID 167  Run ID 326  Step(s) 1 | Test Script 12- Equipment Update Request  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.5 | The system shall be able to store equipment numbers and corresponding detailed information | FR 6.3.5 | The system will be able to identify equipment as GMP or non-GMP, direct or indirect, and critical or non-critical. | DS3-05 | Screen Designer allows for this setup. | N/A | N/A | ITPD-37518 TS 1.16  ITPD-37518 TS 1.17  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 1  ALM 15  Test ID 167  Run ID 326  Step(s) 1 | Test Script 16- Position Creation  Test Script 17- Functional System Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| FR 6.3.51 | The system will be able to identify equipment as ‘Direct Impact or Child of Direct Impact’ or not, instead of GMP or non-GMP. | DS3-51 | The system will have the ‘GxP’ checkbox renamed as ‘Direct Impact or Child of Direct Impact’ in the Equipment Screen. Checking the checkbox will deem the equipment as ‘Direct Impact or Child of Direct Impact’ and unchecking the checkbox will deem the equipment as not ‘Direct Impact or Child of Direct Impact’. | ALM 15  Test ID: 276  -Run ID: 419  Step(s): 5, 7  Test ID: 276  -Run ID: 438  -Step(s): 5, 7 | Equipment is marked as “Drect Impact (GxP) or Child of Direct Impact (GxP)” when the Equipment SIA is GxP | HP/ALM Test Script ID: 16 Rev.1  Run ID: 21 | CR 769775: Executed VAL CMMS Functional Test Script  Objective 6 | N/A | None |
| BR 3.3 | The system shall have the ability to create and maintain a parent – child hierarchy. | FR 6.3.6 | The system will allow the creation and/or viewing of equipment hierarchies. | DS3-06 | This is located on the Structure tab of the Equipment record. | N/A | N/A | ITPD-37518 TS 1.14  ITPD-37518 TS 1.15  ITPD-37518 TS 1.16  ITPD-37518 TS 1.18  ITPD-38104 TS 1.22  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 2 - 4, 7, 8  ALM 15  Test ID 167  Run ID 326  Step(s) 2 - 4, 7, 8 | Test Script 14- Location Creation  Test Script 15- System Creation  Test Script 16 – Position Creation  Test Script 18 – Asset Commissioning  Test Script 22 – System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.4 | The system shall have the ability to create and maintain a spare parts list for each equipment item. | FR 6.3.7 | The system will be able to create and maintain a spare parts list for each equipment item. | DS3-07 | This is located on the Parts Associated tab of the Equipment record. | N/A | N/A | ITPD-37518 TS 1.3  ITPD-37518 TS 1.19  ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 2  ALM 15  Test ID 167  Run ID 326  Step(s) 2 | Test Script 3 – Part Request New/Update  Test Script 18- Asset Commissioning  Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.2 | The system shall have the ability to differentiate between Equipment classifications | FR 6.3.8 | The system will be able to store equipment numbers and corresponding information such as description, type, make, model, serial number, classification, location, system number, vendor, old equipment number, operating status, process and instrumentation diagram (P&ID) tag numbers, P&ID drawing numbers, assigned cost center, and a history of maintenance costs. | DS3-08 | This is located on the Record View, Cost and Calibration tabs of the Equipment record. Old Equipment number can be stored within comments and/or description. | N/A | N/A | ITPD-37518 TS 1.13  ITPD-37518 TS 1.18  ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 169  Run ID 197  Step(s) 1, 2, 12  ALM 15  Test ID 169  Run ID 327  Step(s) 1, 2, 12 | Test Script 13- Asset Creation  Test Script 18- Asset Commissioning  Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.6 | The system shall be able to store closing codes to construct accurate histories of the failures that affect equipment and operating locations | FR 6.3.9 | The system will be able to store failure code to assist in the diagnosis of failures that affect equipment and operating locations. | DS3-09 | Closing Codes are defined. Problem, Failure, Cause and Action Codes are defined. | N/A | N/A | ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ITPD-37518 TS 1.9  ARC-0000007778  ALM 15  Test ID 159  Run ID 169  Step(s) 1 – 3  ALM 15  Test ID 159  Run ID 336  Step(s) 1 - 3 | Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8-Corrective Maintenance Work Orders  Test Script 9-Routine Maintenance Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.6 | The system shall be able to store closing codes to construct accurate histories of the failures that affect equipment and operating locations | FR 6.3.10 | The system will allow the association of failure codes to work orders so that failure trends can be captured and analyzed. | DS3-10 | Closing Codes are defined. Problem, Failure, Cause and Action Codes are defined. | N/A | N/A | ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ITPD-37518 TS 1.9  ARC-0000007778  ALM 15  Test ID 159  Run ID 169  Step(s) 1 – 3  ALM 15  Test ID 159  Run ID 336  Step(s) 1 - 3 | Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8-Corrective Maintenance Work Orders  Test Script 9-Routine Maintenance Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.7 | The system shall provide the capability to maintain preventive maintenance records, and associate them with equipment and locations | FR 6.4.1 | System PM Schedule records will allow for the addition, modification, and deletion of such information as, description, classification, schedule/due dates, equipment and trade requirements. | DS4-01 | Located on the Record View, Activities and Equipment tabs of the PM Schedules record. | N/A | N/A | ITPD-37518 TS 1. 10  ARC-0000007778  ITPD-37518 TS 1. 11  ARC-0000007779  ALM 15  Test ID 158  Run ID 168  Step(s) 2, 3, 7  ALM 15  Test ID 158  Run ID 329  Step(s) 2, 3, 7 | Test Script 10- PM Change Simple  Executed CMMS VAL Functional Test Scripts  Test Script 11- PM Change Complex  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.9 | The user shall be able to associate a job plan (task instruction) with each PM record. | FR 6.4.2 | The system will have the ability to create, revise, and view job plan instructions. | DS4-02 | Located on the Record View and Checklist tabs of the Job Plan record. | N/A | N/A | ITPD-37518 TS 1. 10  ARC-0000007778  ITPD-37518 TS 1. 11  ARC-0000007779  ALM 15  Test ID 158  Run ID 168  Step(s) 14  ALM 15  Test ID 158  Run ID 329  Step(s) 14 | Test Script 10- PM Change Simple  Executed CMMS VAL Functional Test Scripts  Test Script 11- PM Change Complex  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.7 | The system shall provide the capability to maintain preventive maintenance records, and associate them with equipment and locations | FR 6.4.3 | The system will allow a PM frequency to be specified in days, weeks, months, or years. | DS4-03 | Located on the Record View and Equipment tabs of the PM Schedules record. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 3.8 | The system shall be able to route and track revisions to preventative maintenance plans. | FR 6.4.4 | The system will be able to track revisions for PM entities.. | DS4-04 | PM entity revisions can be tracked on the Revision Control reports, Revision Change Details tab (PM Schedule, Job Plan, Material List, & Route screens), Associated Revisions tab (PM Schedule screen), Associated PM Revisions tab (Equipment screen) and the system audit trails. | N/A | N/A | ITPD-86195  Test ID: 20 - Run ID: 23 | CR 710019 Executed VAL CMMS Functional Test Script Objective #6, 7 & 8  Step 4, 7 | N/A | None |
| BR 3.7 | The system shall provide the capability to maintain preventive maintenance records, and associate them with equipment and locations | FR 6.4.5 | The system will be able to associate PM schedules with job plan instructions, material lists, attached documents, estimated labor, and tools. | DS4-05 | Tools, estimated labor (on Job Plan record), attached documents, job plan instructions and material lists all can be associated to a PM on the PM Schedule record. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 13 | Verification that Activities on PM Schedules are updated with associated Job Plan descriptions. | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 3.9 | The user shall be able to associate a job plan (task instruction) with each PM record. | FR 6.4.6 | The system will allow the viewing, addition, modification, and deactivation of job plan records. | DS4-06 | This is all managed on the Job Plan record. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 4.3 | The system shall allow the authorized user to plan, create, reject, review, modify, approve, and cancel work orders against equipment, as well as locations. | FR 6.4.7 | The system will have the ability to calculate scheduled due dates from defined preventive maintenance intervals based on prior scheduled due date or prior work order completion date. | DS4-07 | This is managed on the Equipment record tab of the PM Schedule and PM Schedules tab of the Equipment record. | N/A | N/A | ITPD-37518 TS 1. 6  ARC-0000007778 | Test Script 6 PM Work Orders  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 4.1 | The system shall allow the Company A corporate intranet authorized user community to create work requests in the system. | FR 6.4.8 | The system will allow authorized users to create work requests via the Company A intranet. | DS4-08 | Work Requests functionality allows for all authorized users on the Company A domain. All users who have a network access. | N/A | N/A | ITPD-37518 TS 1.1  ITPD-37518 TS 1.4  ARC-0000007778  ALM 15  Test ID 158  Run ID 168  Step(s) 19, 23  ALM 15  Test ID 158  Run ID 329  Step(s) 19, 23 | Test Script 1- Work Request-MFG\_ENG  Test Script 4- Facilities/Site Services Request  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.2 | The system shall allow the Company A corporate intranet authorized user community to check the status of any work request. | FR 6.4.9 | The system will allow authorized Company A corporate intranet users to check the status of the work requests that they have submitted. | DS4-09 | Work Request Status functionality allowed for all authorized users on the Company A domain. All users who have a network access. | N/A | N/A | ITPD-37518 TS 1.1  ITPD-37518 TS 1.4  ARC-0000007778  ALM 15  Test ID 158  Run ID 168  Step(s) 19, 23  ALM 15  Test ID 158  Run ID 329  Step(s) 19, 23 | Test Script 1- Work Request-MFG\_ENG  Test Script 4- Facilities/Site Services Request  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.3 | The system shall allow the authorized user to plan, create, reject, review, modify, approve, and cancel work orders against equipment, as well as locations. | FR 6.4.10 | The system will allow authorized users to plan, create, review, reject, modify, approve, and cancel work orders and work requests for equipment and/or locations. | DS4-10 | Access is defined on the User Group, user setup records, and Flex SQL rules. | N/A | N/A | ITPD-37518 TS 1.4  ITPD-37518 TS 1.5  ITPD-37518 TS 1.6  ARC-0000007778  HP/ALM Test Script ID: 14 Rev.1  Run ID: 18 | Test Script 4- Facilities/Site Services Request  Test Script 5- Extensions  Test Script 6- PM Work orders  Executed CMMS VAL Functional Test Scripts  CR 754602: Executed VAL CMMS Functional Test Script  Objective #8 | N/A | None |
| DS4-67 | The system provides an “Originating Workorder – Activity” field on the Recordview tab of the Work Order. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| DS4-68 | The system will provide a Standards Used tab on Work Order records listing associated Calibration Standards. | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps: 22 | CHG0148750 - Bug Enhancements OQ | N/A | None |
| BR 4.8 | The system shall be configurable to incorporate multiple work flows for various types of work and their associated processes | FR 6.4.11 | The system will allow processing of work orders to route, complete, review, approve, and close, in compliance with the business processes. | DS4-11 | Access is defined on the user group and user setup records.  Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.4  ITPD-37518 TS 1.5  ITPD-37518 TS 1.6  ARC-0000007778  ALM 15  Test ID 175  Run ID 192  Step(s) 3 - 13 | Test Script 4- Facilities/Site Services Request  Test Script 5- Extensions  Test Script 6- PM Work orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.4.12 | The system will be able to store work order numbers and corresponding information such as PM task number, job plans , description, type, equipment and location information, schedule start/finish date, actual start/finish date, close date, required parts, requestor information, labor/craft information, actual parts use, vendor information, and comments. | DS4-12 | This is managed on the Work Order record under the following tabs:  Record View  Activities  Cost Summary  Parts  Checklists  Comments | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 1, 3  Test ID: 276  -Run ID: 438  -Step(s): 1, 3 | Core fields for Work Order header data and activities are populared as expected | ITPD-37518 TS 1.6  ARC-0000007778  ALM 15  Test ID 169  Run ID 197  Step(s) 1, 2, 10 – 12  ALM 15  Test ID 169  Run ID 327  Step(s) 1, 2, 10 – 12  ALM 15  Test ID 163  Run ID 175  All steps | Test Script 6- PM Work orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.9 | The user shall be able to associate a job plan (task instruction) with each PM record. | FR 6.4.13 | The system will be able to maintain job plan descriptions. | DS4-13 | This is managed on the Job Plan record. | N/A | N/A | ITPD-37518 TS 1.10  ARC-0000007778  ITPD-37518 TS 1.11  ARC-0000007779  Test ID: 20 - Run ID: 23 | Test Script 10- PM Change Simple  Executed CMMS VAL Functional Test Scripts  Test Script 11- PM Change Complex  Executed CMMS VAL Functional Test Scripts  Step 5 | N/A | None |
| DS4-66 | The user shall be able to define a Job Plan record for “Enhance/advanced planning” via a checkbox on the Recordview tab. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| BR 4.41 | The system shall provide a means to generate work orders based on meter reading. | FR 6.4.14 | The system will be able to release PM work orders from meter readings or inspection results. | DS4-14 | PM Work Orders from Meter Readings are released automatically and are created when inspection results are submitted (requires Standard Work Order). | N/A | N/A | N/A | N/A | N/A | None |
| BR 4.11 | The system shall allow authorized users to generate work orders and requisitions. | FR 6.4.15 | The system will have the ability to generate work orders to track preventive and corrective maintenance for systems, equipment, and/or locations. | DS4-15 | PM work orders are generated from the Generate PM work orders screen. Corrective Maintenance work orders are created manually on the work order screen. | N/A | N/A | ITPD-37518 TS 1.6  ITPD-37518 TS 1.8  ARC-0000007778  ALM 15  Test ID 158  Run ID 168  Step(s) 9, 17, 19  ALM 15  Test ID 158  Run ID 329  Step(s) 9, 17, 19 | Test Script 6- PM Work orders  Test Script 8- Non PM Work Orders (Corrective WO)  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.4 | The system shall allow authorized users to generate work orders from a preventive maintenance schedule. | FR 6.4.16 | The system will be able to generate preventive maintenance work orders from the PM schedule. | DS4-16 | PM work orders are generated from the Generate PM work orders screen | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 14 - 16  Test ID: 276  -Run ID: 438  -Step(s): 14 - 16 | Header fields on a PM Work Order pertaining to its generation off a PM Schedule (i.e. PM Code, WO Type) are populated as expected | ITPD-37518 TS 1.6  ARC-0000007778  ALM 15  Test ID 158  Run ID 168  Step(s) 1, 2, 8, 9, 12, 13, 17  ALM 15  Test ID 158  Run ID 329  Step(s) 1, 2, 8, 9, 12, 13, 17 | Test Script 6- PM Work orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.3 | The system shall have the ability to create and maintain a parent – child hierarchy. | FR 6.4.17 | The system will be able to create and maintain parent-child work order hierarchies. | DS4-17 | Parent-child work orders are defined using Routes and PM Work Order Packages. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 2 - 4, 7, 8  ALM 15  Test ID 167  Run ID 326  Step(s) 2 - 4, 7, 8 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.6 | The system shall be able to associate various work order types and priorities to specific tasks or work requests. | FR 6.4.19 | The system will allow for the specification of the following work order types: PMCAL - PM Calibration Work Order BR - Breakdown Maintenance  PM - Preventive Maintenance CM - Corrective Maintenance  RM - Routine Maintenance  NP - New Part  UP - Update Part  REM - Reminder  EQ - Equipment Location or Status Update  EQI - Equipment Information Update  EXT - Extension  ST - Standing WO  MEC - Multiple Equipment Child  CRA - Impact Assessment Update | DS4-19 | The system allows for the specification of the following work order types: PMCAL - PM Calibration Work Order  BR - Breakdown Maintenance PM - Preventive Maintenance CM - Corrective Maintenance.  RM - Routine Maintenance  NP - New Part  UP - Update Part  REM - Reminder  EQ - Equipment Location or Status Update  EQI - Equipment Information Update  EXT - Extension  ST - Standing WO  MEC - Multiple Equipment Child  CRA - Impact Assessment Update  Above are all defined as System Codes. | N/A | N/A | ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ARC-0000007778  ALM 15  Test ID 158  Run ID 168  Step(s) 19, 23  ALM 15  Test ID 158  Run ID 329  Step(s) 19, 23 | Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  These work order types are defined in the configuration specification and application workflows. I will list the following ones that we did not test. Low risk.   * Emergency work order type is a phone call. * Standing WO is a work order type that remains open at all times. No functionality behind it.   MEC is a work order type that is that has no functionality behind it. It’s an identifier that a work order that has multiple pieces of equipment. This is a manual option.  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.4.20 | The system will be able to identify if a piece of equipment or location on a PM or work order is GMP if QA Oversight is triggered by FLEX and checked.  (Requirement no longer required.) | DS4-20 | This is managed through FLEX SQL that checks the “QA Oversight for CAD & FEQ.  (Requirement no longer required.) | N/A | N/A | ITPD-37518 TS 1.10  ARC-0000007778  ITPD-37518 TS 1.11  ARC-0000007779 | Test Script 10- PM Change Simple  Executed CMMS VAL Functional Test Scripts  Test Script 11- PM Change Complex  Executed CMMS VAL Functional Test Scripts | N/A | None |
| FR 6.4.63 | The system will be able to identify if a piece of equipment or location on a PM or work order is GMP if ‘Direct Impact or Child of Direct Impact’ is triggered by Flex and is checked marked. | DS4-63 | This is managed through FLEX SQL that checks the ‘Direct Impact or Child of Direct Impact’ checkbox (previously titled as ‘QA Oversight for CAD & FEQ’/‘Direct Impact’). | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 5, 7  Test ID: 276  -Run ID: 438  -Step(s): 5, 7 | GxP status of Equipment updates onto the associated Work Order | HP/ALM Test Script ID: 16 Rev.1  Run ID: 21 | CR 769775: Executed VAL CMMS Functional Test Script  Objective 6 | N/A | None |
| BR 4.8 | The system shall be configurable to incorporate multiple work flows for various types of work and their associated processes | FR 6.4.21 | The system will be configurable to incorporate multiple work order flows for various types of work and their associated processes such as PM, work order requests, GMP, non-GMP, safety issues, and critical work orders. | DS4-21 | Workflow configuration is documented in the Application Configuration Specification  (ITPD-37061) | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 8, 10  Test ID: 276  -Run ID: 438  -Step(s): 8, 10 | The system asserts review status for GxP Work Orders prior to close | ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ARC-0000007778 | Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 4.9 | The system shall be capable of scheduling work by individual and/or trade. | FR 6.4.22 | The system will be able to schedule work and assign labor trade requirements. | DS4-22 | This can be done on the Scheduling screen, Job Plan screen and work order screen. | N/A | N/A | ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ARC-0000007778  ALM 15  Test ID 159  Run ID 169  Step(s) 4 – 6  ALM 15  Test ID 159  Run ID 336  Step(s) 4 - 6 | Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 1.7 | The system shall be able to store and attach electronic documents throughout the application. | FR 6.4.23 | The system will allow creation and viewing of attached documents. | DS4-23 | Documents tab on multiple screens. | N/A | N/A | ITPD-37518 TS 1.3  ARC-0000007778 | Test Script 3- New or Update Part Request  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 1.4 | The system shall allow for routing functionality within the application. | FR 6.4.25 | The system will give authorized users the ability to notify personnel associated with work on a piece of equipment for which there may be impending safety concerns. | DS4-25 | EHS notification checkbox on the work order record. | N/A | N/A | ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ARC-0000007778 | Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8- Non PM Work Orders (Corrective WO)  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 1.4 | The system shall allow for routing functionality within the application. | FR 6.4.26 | The system will notify members of the EHS (Environmental Health & Safety) group when work requests with safety implications are created. | DS4-26 | Inbox for EHS is defined. Through a series of status authorizations. EHS notification checkbox on the work order record | N/A | N/A | ITPD-37518 TS 1.7  ITPD-37518 TS 1.8  ARC-0000007778 | Test Script 7- Non PM Work Orders (Breakdown WO)  Test Script 8- Non PM Work Orders (Corrective WO)  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 5.9 | The system shall be able to reserve material requirements to scheduled or unscheduled work orders and provide visibility to the reservation. | FR 6.5.2 | The system will allow authorized users to check the status of any CMMS generated parts request. | DS5-02 | The Purchase Order screen will detail the status of the request. | N/A | N/A | ITPD-38850 TS 1.26  ITPD-38850 TS 1.32  ITPD-79035  ITPD-79045 | Test Script 26 – Oracle Purchase Requisitions  Test Script 32- Part Reservations | N/A | None |
| BR 5.2 | DELETED ~~The system shall allow for the creation of maintenance repair operations (MRO) inventory items~~ | FR 6.5.3 | The system will allow authorized users the ability to view, add, and modify item records. | DS5-03 | User group permissions control these rights. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 7 | Verify that Part numbers cannot be updated. | ITPD-37518 TS 1.19  ARC-0000007779 | Test Script 19- Part Creation  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.5.4 | System item records will include the incorporation of such information as item/part number, description, manufacturer, manufacturer item number, vendor, vendor part number, general ledger, reorder point, lead time, unit of issue, unit of purchase, and cost. Functionality will be turned on at a future date if required | DS5-04 | This functionality will be defined within the Parts record. Information is under the following tabs:  Record View  Suppliers  Manufacturers  Stores  Prices  Material Lists  Equipment | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 17  Test ID: 276  -Run ID: 438  -Step(s): 17  ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 7 | Regression to confirm that fields on a Part record are populated as expected  Verify that Part numbers cannot be updated. | ITPD-37518 TS 1.3  ARC-0000007778  ITPD-37518 TS 1.18  ITPD-37518 TS 1.19  ARC-0000007779  Test ID: 20 - Run ID: 23  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60  ALM 15  Test ID 169  Run ID 197  Step(s) 1, 2, 10 – 12  ALM 15  Test ID 169  Run ID 327  Step(s) 1, 2, 10 - 12 | Test Script 3- New or Update Part Request  Executed CMMS VAL Functional Test Scripts  Test Script 18- Asset Commissioning  Test Script 19 – Part Creation  Executed CMMS VAL Functional Test Scripts  Step(s) 8, 13  CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 5.2 | DELETED ~~The system shall allow for the creation of maintenance repair operations (MRO) part numbers at a minimum of 20 characters long.~~ | FR 6.5.5 | The system will be able to maintain part numbers up to 20 characters long. | DS5-05 | Defined in the database. Technical Reference guide details 30 character limit. Screen Designer will provide the field details. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 5.3 | The system shall be able to maintain inventory items that are stocked in one or more storerooms. | FR 6.5.6 | The system will be capable of controlling inventory items by lot number and/or expiration date. Functionality will be turned on at a future date if required | DS5-06 | Installation Parameter is LOTNRG set to ‘P’. P = ONLY Track By Lot. | N/A | N/A | No Functional Test executed, not required by business. Functionality will be turned on at a future date | N/A | N/A | None |
| BR 5.16 | The system shall have the capability to track parts as Equipment/repairable spares | FR 6.5.7 | The system will be able to monitor inventory items by serial number. Functionality will be turned on at a future date if required | DS5-07 | Tracked By Asset functionality on the Equipment Record. | N/A | N/A | ITPD-37518 TS 1.13  ITPD-37518 TS 1.18  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 2, 4  ALM 15  Test ID 167  Run ID 326  Step(s) 2, 4 | Test Script 13 – Asset Creation  Test Script 18 – Asset Commissioning  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 5.3 | The system shall be able to maintain inventory items that are stocked in one or more storerooms. | FR 6.5.8 | The system will allow items to be stored in multiple bins. | DS5-08 | This is located on the Bins tab of the Parts record. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22-System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 5.18 | Bin information will show current stock level and last physical count date. Functionality will be turned on at a future date if required. | FR 6.5.9 | Bin information will show current stock level and last physical count date | DS5-09 | Lot expiration date is located on the Lot record. Quantity is located on the Bins tab of the Part record. Physical count date (Stock Date) is located on the Stores tab of the Parts | N/A | N/A | ITPD-37518 TS 1.19  ARC-0000007779 | Test Script 19 – Create Part  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 5.19 | The system shall allow authorized users to override the automatic population of “Preferred Supplier” information on the “Stores” tab of Part records. | FR 6.5.22 | Administrator User Groups will be allowed to override the automatic population of “Preferred Supplier” field on the “Stores” tab of Part records through manual editing of the field’s contents. | DS5-22 | “Preferred Supplier” field on the “Stores” tab of Part records will be set to “Optional” for User Groups SYSADMIN, R5, and BUSADMIN, but otherwise will be set to “Protected”. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60  ALM 15  Test ID 165  Run ID 179  Step(s) 9 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.3 | The system shall be able to maintain inventory items that are stocked in one or more storerooms. | FR 6.5.10 | The system will be able to maintain inventory information for multiple storerooms. | DS5-10 | This is located on the Stores tab of the Parts record. | N/A | N/A | ITPD-37518 TS 1.18  ITPD-37518 TS 1.19  ARC-0000007779  ALM 15  Test ID 177  Run ID 203  Step(s) 1 | Test Script 18-Asset Commissioning  Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS5-23 | Work Order reports will display Lot numbers of associated Part records. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 5 - 6 | Verify that Work Order Checklist items and Lot number for associated Parts display on Work Order reports. | N/A | N/A | N/A | None |
| BR 5.4 | The system shall be able to create and maintain main and satellite storerooms, and their associations. | FR 6.5.11 | The system will be able to create and maintain storeroom hierarchies. | DS5-11 | Parent Child store setup is on the Record View of the Store. This is located on the Stores tab of the Parts record. You can indicate preferred Store. | N/A | N/A | ITPD-37518 TS 1.19  ARC-0000007779  ALM 15  Test ID 177  Run ID 203  Step(s) 1 | Test Script 19-Part Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.5 | The system shall be able to track multiple vendor and manufacturer information for each inventory item. | FR 6.5.12 | The system will be able to maintain multiple vendor and manufacturer listings for each inventory item record. | DS5-12 | This is located on the Supplier and Manufacturer tabs of the Part record. | N/A | N/A | ITPD-37518 TS 1.18  ITPD-37518 TS 1.19  ARC-0000007779  ALM 15  Test ID 177  Run ID 203  Step(s) 2, 3 | Test Script 18-Asset Commissioning  Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| FR 6.5.1 | The system will automatically populate the Preferred Supplier field on the Stores tab of the Parts record with the Preferred Supplier information on the Recordview tab and protect this field from manual updates for all but administration User Groups. | DS5-01 | The system will provide a flex that will automatically populate the Preferred Supplier field on the Stores tab of the Parts record with the Preferred Supplier information on the Recordview tab and protect this field from manual updates for all but administration User Groups. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| BR 5.6 | The system shall be able to create and maintain rotating (repairable) equipment. | FR 6.5.13 | The system will be able to create and maintain rotating (repairable) equipment. | DS5-13 | This is maintained on the Record View tab of the equipment record and on the Record View and Repair Details tabs of the part record. | N/A | N/A | ITPD-37518 TS 1.18  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 1  ALM 15  Test ID 167  Run ID 326  Step(s) 1 | Test Script 18-Asset Commissioning  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 5.7 | The system shall be able to issue/return inventory parts to Work Orders and Equipment | FR 6.5.14 | The system will allow the issuance, receipt, and return of parts to/from a work order, equipment. | DS5-14 | Parts Issues are managed on the Issue/Return screen. This is also on the Stock tab of the Part record and the Parts tab of the work order record. | ALM 15  Test ID: 298  -Run ID: 489  -Step(s): 23 - 24 | Verification of Work Order Parts metadata: accurate calculation of distinct Parts records issued to the Work Order is displayed. | ITPD-37518 TS 1.18  ARC-0000007779  ALM 15  Test ID 165  Run ID 179  Step(s) 5 | Test Script 18- Asset Commissioning  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.8 | The system shall be able to associate parts to equipment, to a building, or to a defined area. | FR 6.5.15 | The system will be able to associate parts to equipment, system, or location. | DS5-15 | Parts Associated tab for the Equipment, System, and Location. | N/A | N/A | ITPD-37518 TS 1.12  ITPD-37518 TS 1.18  ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 5  ALM 15  Test ID 167  Run ID 326  Step(s) 5 | Test Script 12- Equipment Update Request  Test Script 18- Asset Commissioning  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 5.9 | The system shall be able to reserve material requirements to scheduled or unscheduled work orders and provide visibility to the reservation. | FR 6.5.16 | The system will be able to reserve materials requirements to scheduled or unscheduled work orders and provide visibility to the reservation. | DS5-16 | Reservation tab of the Part record. Reservation tab of the Store record. | N/A | N/A | ITPD-38850 TS 1.32  ITPD-79035  ITPD-79045  ALM 15  Test ID 165  Run ID 179  Step(s) 3 - 5, 7 | Test Script 32 – Part Reservations  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.10 | The system shall be able to provide inventory availability based on quantity in hand, quantity reserved, quantity awaiting repair, or quantity on order. | FR 6.5.17 | The system will be able to provide inventory availability based on quantity on hand, quantity reserved, and quantity on order. | DS5-17 | Reservation, Purchase Order tabs of the Part record. Stock tab of the Store record. | N/A | N/A | ITPD-38850 TS 1.32  ITPD-79035  ITPD-79045  ALM 15  Test ID 165  Run ID 179  Step(s) 2 - 5, 7 | Test Script 32 – Part Reservations  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.11 | The system shall provide authorized users the ability to run real-time part availability checks. | FR 6.5.18 | The system will provide the ability to run real-time material availability checks. | DS5-18 | Stock tab of the Store record. | N/A | N/A | ITPD-37518 TS 1.19  ARC-0000007779  ALM 15  Test ID 165  Run ID 179  Step(s) 2 - 5 | Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.12 | The system shall allow authorized users to view the transaction history of items. | FR 6.5.19 | The system will allow the tracking of all inventory transactions, such as store-to-store and/or bin-to-bin transfers, and receipt of stocked, non-stocked, and special order items. | DS5-19 | Transactions tab of the Part record. | N/A | N/A | ITPD-37518 TS 1.19  ARC-0000007779  Test ID: 20 - Run ID: 23  ALM 15  Test ID 165  Run ID 179  Step(s) 8, 12, 13 | Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  Step 13  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 5.13 | The system shall have the capability to do inventory cycle count. | FR 6.5.20 | The system will have the ability to perform a cycle count or physical inventory. | DS5-20 | Physical Inventory screen. Custom Cycle Counting code to track inventory. | N/A | N/A | ITPD-42592  ITPD-44990  ALM 15  Test ID 165  Run ID 179  Step(s) 6, 14 - 16 | ITPD-42592 CR#197605 Cycle Counting Test Plan  ITPD-44990 CR#197605 Executed Test Plan\_TIR  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure | FR 6.6.1 | The system will be able to indicate a purchase unit of measure, which can be different from the consumption unit of measure. | DS6-01 | Suppliers tab of the Part Record | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045 | Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure | FR 6.6.2 | The system will be able to indicate the conversion used between purchase unit of measure and consumption unit of measure. | DS6-02 | Suppliers tab of the Part Record | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045 | Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | FR 6.6.3 | The system will allow the viewing of vendor records containing relevant information such as vendor code, description, and other specific data. | DS6-03 | Supplier Screen contains this information related to Supplier | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045 | Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | FR 6.6.4 | The system will be able to prioritize vendors that are assigned to parts. | DS6-04 | Supplier and Stores tabs of the Part Record. | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045 | Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | FR 6.6.5 | The system will be able to associate multiple vendors to each part, with the ability to indicate a default vendor. | DS6-05 | Supplier tab of the Part Record. | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045 | Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | FR 6.6.6 | The system will be able to associate multiple shipping address information to each vendor record. | DS6-06 | Supplier Screen contains this information related to Supplier. | N/A | N/A | ITPD-37518 TS 1.18  ARC-0000007779 | Test Script 18-Asset Commissioning  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.1 | The system will have multi-level security to limit user access. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.8  ITPD-37518 TS 1.9  GLBL-73523 Data Integrity | Test Script 8- Non PM Work Orders (Corrective WO)  Test Script 9- Non PM Work Orders (Routine WO) | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.2 | The system will allow read-only access and be able to disallow access to tables and modules that are not part of the user functional job description. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 7-15 | CHG0148750 - Bug Enhancements OQ | ITPD-37518 TS 1.4  ITPD-37518 TS 1.5  GLBL-73523 Data Integrity | Test Script 4- Facilities/Site Services Request  Test Script 5 - Extensions | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.3 | Configuration of security access levels will include the ability to define security filters associated with users, roles, and workflows. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.4  ITPD-37518 TS 1.5  GLBL-73523 Data Integrity | Test Script 4- Facilities/Site Services Request  Test Script 5- Extensions | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.4 | CMMS system administrators will be able to add/inactivate users, change user security settings, and add/inactivate reports within the system. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22 - System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.6 | The system will allow the definition and configuration of user groups to differentiate security access levels. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.4  ITPD-37518 TS 1.5  ARC-0000007778  ALM 15 Test Script  Test ID 143  Run ID 151  Step 3, 4  ALM 15 Test Script  Test ID 144  Run ID 152  Step 8, 9, 13, 14  ALM 15 Test Script  Test ID 143  Step 3, 4  ALM 15 Test Script  Test ID: 144  -Run ID 446, 447  -Step(s): 8, 9, 13, 14 | Test Script 4- Facilities/Site Services Request  Test Script 5- Extensions  Executed CMMS VAL Functional Test Scripts  CR CHG0065830  CMMS VAL Installation Test Script  CR CHG0065830  CMMS VAL Operational Qualification Test Script  CR CHG0065830  CMMS PROD Installation Test Script  CHG0148206: CMMS VAL planned Functional Test Script(s) | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.7 | The system will allow configuration of security access at the record/table level in regards to record inserts, updates, and deletes. | DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | N/A | N/A | ITPD-37518 TS 1.3  ITPD-37518 TS 1.6  ITPD-37518 TS 1.7  ARC-0000007778  ITPD-37518 TS 1.19  ARC-0000007779  ALM 15 Test Script  Test ID 143  Run ID 151  Step 3, 4  ALM 15 Test Script  Test ID 144  Run ID 152  Step 8, 9  ALM 15 Test Script  Test ID 143  Step 3, 4  ALM 15 Test Script  Test ID: 144  -Run ID: 446  -Step(s): 8, 9 | Test Script 3-Part Request-New Update  Test Script 6- PM Work orders  Test Script 7- Non PM Work Orders (Breakdown WO)  Executed CMMS VAL Functional Test Scripts  Test Script 19- Create Part  Executed CMMS VAL Functional Test Scripts  CR CHG0065830  CMMS VAL Installation Test Script  CR CHG0065830  CMMS VAL Operational Qualification Test Script  CR CHG0065830  CMMS PROD Installation Test Script  Verify SME user field permissions on Work Orders. | N/A | None |
| BR 8.1 | The system shall provide security to allow or disallow functionality on the system level, site level, and user level. | FR 6.7.9 | The system will allow configuration of a field to provide the last date and time a user has accessed the system. | DS13-01 | A field is available on the users screen which captures the last login datetime of a user. Flex SQL Trigger provides the logic to update this field. | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Step 14 and Step 19 | CHG0148750 - Bug Enhancements OQ | N/A | N/A | N/A | None |
| BR 1.5 | The system shall allow for user profiles | FR 6.8.1 | The employee record in CMMS will include employee name, organization/location, and phone number. | DS8-01 | This is detailed in the Employee record. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 176  Run ID 202  Step(s) 4 | Test Script 22 - System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 9.2 | The system will create requestor user accounts by integrating into active directory | FR 6.8.3 | The system will be capable of integrating with the authoritative source of employee and contractor data (i.e., Workday or Fieldglass) for access to corporate employee record information. | DS8-03 | There is an employee import into CMMS from the corporate authoritative source of employee and contractor data that runs nightly. | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 20-21  ALM 15  Test ID: 154 -Run ID: 441  -Step(s): all | CHG0148750 - Bug Enhancements OQ  Confirm receipt of Employee record updates. | ITPD– 38850 TS 1.23  HP/ALM Test Script ID 9 Rev.1  Run ID: 8  ALM 15  Test ID 192  Run ID 233  Steps 2 to 17  ALM 15  Test ID 154  Run ID 194  All steps | Test Script 23 – Employee Data  CR 720448 - Executed VAL Operational Qualification  CR CHG0103628 – CMMS VAL Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 9.1 | The system shall be able to track employees by trades | FR 6.8.4 | The system will be able to track labor by multiple occupation types/burden rates. | DS8-04 | This information is located on the Rates tab of the Trade record. | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 176  Run ID 202  Step(s) 4, 5 | Test Script 22 - System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 10.1 | The system shall provide the ability to interface with active directory | FR 6.9.1 | The system will provide the ability to perform batch updates to CMMS employee data and cost center information from the authoritative source of employee and contractor data (i.e., Workday or Fieldglass). | DS9-01 | There is an employee and cost center imports into CMMS from the corporate authoritative source of employee and contractor data that runs nightly. |  |  | ITPD– 38850 TS 1.23  ITPD-38850 TS 1.24  ITPD-79035  ITPD-79045  ALM 15  Test ID 192  Run ID 233  Steps 2 to 17  ALM 15  Test ID 154  Run ID 194  All steps  ALM 15  Test ID: 154  -Run ID: 441  -Step(s): all | Test Script 23 – Employee Data  Test Script 24 – Cost Code Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CR CHG0103628 – CMMS VAL Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script  Confirm receipt of Employee record updates. | N/A | None |
| BR 10.1 | The system shall provide the ability to interface with active directory | ITPD-38444  GFR-004 | The interface processes scheduled transmissions of Cost Code Data and delivers the packets to Infor | ITPD-38450 DSG01-04, | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | N/A | N/A | ITPD– 38850 TS 1.23  ITPD-38850 TS 1.24  ITPD-79035  ITPD-79045 | Test Script 24 – Cost Code Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade) | N/A | None |
| BR 10.1 | The system shall provide the ability to interface with active directory | ITPD-38444 GFR-005 | The interface processes scheduled transmissions of Employee Data and delivers the packets to Infor | ITPD-38450 DSG-01-05 | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | N/A | N/A | ITPD-38850 TS 1.23  ITPD-38850 TS 1.24  ITPD-79035  ITPD-79045 | Test Script 23 – Employee Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade) | N/A | None |
| BR 3.1 | The system shall allow for the creation /modify of equipment, systems, and locations, as well as associated detailed information for each equipment record. | FR 6.9.4 | The requestor will be able to retrieve equipment and location information from the CMMS system. | DS9-04 | Available on Equipment, Systems, and Locations screens. | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 1 - 4  Test ID: 276  -Run ID: 438  -Step(s): 1 - 4 | Regress that Equipment fields are populated as expected given associated Work Order data | ITPD-37518 TS 1.1  ARC-0000007778  ITPD-37518 TS 1.12  ITPD-37518 TS 1.13  ITPD-37518 TS 1.14  ITPD-37518 TS 1.15  ITPD-37518 TS 1.16  ITPD-37518 TS 1.17  ARC-0000007779  ALM 15  Test ID 169  Run ID 197  Step(s) 1, 2, 10 – 12  ALM 15  Test ID 169  Run ID 327  Step(s) 1, 2, 10 - 12 | Test Script 1- Work Request-MFG\_ENG  Executed CMMS VAL Functional Test Scripts  Test Script 12- Equipment Update Request  Test Script 13- Asset Creation  Test Script 14- Location Creation  Test Script 15- System Creation  Test Script 16- Position Creation  Test Script 17- Functional System Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| FR 6.3.70 | Tabs on the Equipment, System, Route, Material Lists, and Job Plan screens will list associated PM Schedules, Equipment, and Routes. | DS3-64 | A custom grid joining data from PM entities and Routes will be created to display this information on associated records. | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 8 – 12  -Negative Testing Step(s): 8 – 12 | Testing that new grids display PM data as expected. | N/A | N/A | N/A | None |
| BR 9.2 | The system will create requestor user accounts by integrating into active directory | FR 6.9.5 | All Company A personnel (employees, temps, contractors, interns, etc.) will be able to submit a work request from any Company A workstation in CMMS without having to request an application user account. | DS9-05 | The system will allow any user with a Company A network account to submit a work request within CMMS. A requestor account is created within CMMS when the user first signs into CMMS. The user account is created through FLEX SQL. | N/A | N/A | ITPD-37518 TS 1.4  ARC-0000007778 | Test Script 4- Site Services Request  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 1.4 | The system shall allow for routing functionality within the application. | FR 6.9.6 | The system shall be designed such that work requests can be input into one queue based on user login and then automatically routed to the appropriate site for review and approval. | DS9-06 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061). | N/A | N/A | ITPD-37518 TS 1.1  ARC-0000007778  ITPD-37518 TS 1.13  ARC-0000007779 | Test Script 1- Manufacturing/Engineering Work Request  Executed CMMS VAL Functional Test Scripts  Test Script 13- Asset Creation  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 4.2 | The system shall allow the Company A corporate intranet authorized user community to check the status of any work request. | FR 6.9.7 | The system shall be designed such that users can search work requests. | DS9-06 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061). | N/A | N/A | ITPD-38850 TS 1.32  ITPD-79035  ITPD-79045 | Test Script 32 – Part Reservations  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade) | N/A | None |
| BR 4.1 | The system shall allow the Company A corporate intranet authorized user community to create work requests in the system. | FR 6.9.8 | The Requestor module shall consist of sections containing the following types of information:   * Bldg/Floor * Phone Number * Description * Date Required | DS9-06 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061). | N/A | N/A | ITPD-37518 TS 1.4  ARC-0000007778 | Test Script 4- Facilities/Site Services Request  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure | FR 6.10.1 | The system will be able to indicate a purchase unit of measure, which can be different from the consumption unit of measure. | DS10-01 | Suppliers tab of the Part Record | N/A | N/A | ITPD-37518 TS 1.18  ARC-0000007779  ITPD - 38850 TS 1.25 | Test Script 18 – Asset Commissioning  Executed CMMS VAL Functional Test Scripts  Test Script 25 – Infor10 Purchase Requisitions | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | FR 6.10.6 | The system will be able to associate multiple addresses for each vendor record. | DS10-06 | Supplier Screen contains this information related to Supplier | N/A | N/A | ITPD-37518 TS 1.18  ARC-0000007779 | Test Script 18-Asset Commissioning  Executed CMMS VAL Functional Test Scripts | N/A | None |
| FR 6.9.11 | The system will be able to maintain Parts records containing Part Descriptions less than or equal to 72 characters in length per Part Description. | DS9-11 | The system will provide a flex that will validate the contents of the Part Description field on the Record View tab of a Part record to less than or equal to 72 characters in length. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| FR 6.9.12 | The system will be able to maintain Parts records containing Supplier Catalogue Reference numbers less than or equal to 25 characters in length per Supplier Catalogue Reference number. | DS9-12 | The system will provide a flex that will validate the contents of the Supplier Catalogue Reference field on the Record View tab of a Part record to less than or equal to 25 characters in length. | N/A | N/A | N/A | None |
| BR 6.5 | The system shall have the capability to generate and track purchase orders approved from requisitions. | ITPD-38444 GFR-001 | The interface processes Purchase Requisition transmissions and delivers the packets to Oracle EBS. | ITPD-38450 DSG01-01, | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | ALM 15  Test ID: 153  -Run ID: 196  -Step(s): 26 | Verify Purchase Requisition receipt in Oracle EBS | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 26  ALM 15  Run ID 265  Step(s) 8, 12  Run ID 266  Step(s) 8, 12  ALM 15  Test ID 208  Run ID 306  All steps | Test Script 25 – Infor10 Purchase Requisitions  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts  CHG0114152: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.5 | The system shall have the capability to generate and track purchase orders approved from requisitions. | ITPD-38444 GFR-002 | The interface processes Purchase Order transmissions and delivers the packets to INFOR. | ITPD-38450 DSG01-02 | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | ALM 15  Test ID: 153  -Run ID: 196  -Step(s): 26 | Verify receipt of Purchase Order data into CMMS over the integration with Oracle EBS. | ITPD-38850 TS 1.25  ITPD-38850 TS 1.26  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 26  ALM 15  Run ID 265  Step(s) 8, 12  Run ID 266  Step(s) 8, 12  ALM 15  Test ID 208  Run ID 306  All steps  ALM 15  Test ID 113  Run ID 105  Steps 27 - 35 | Test Script 25 – Infor10 Purchase Requisitions  Test Script 26 – Oracle Purchase Requisitions/Purchase Order  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts  CHG0114152: CMMS VAL Executed Functional Test Scripts  CHG0046471: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.6 | The system shall have the capability to perform receipt transactions | ITPD-38444 GFR-003 | The interface processes Parts and Service Receipts transmissions and delivers the packets to Oracle EBS. | ITPD-38450 DSG01-03 | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | ALM 15  Test ID: 153  -Run ID: 196  -Step(s): 27 - 30 | Regress the process of receiving a Purchase Order in CMMS, and generating and processing the associated Pruchase Receipt. | ITPD-38850 TS 1.28  ITPD-38850 TS 1.29  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 27 - 30  ALM 15  Run ID 265  Step(s) 9-11, 13  Run ID 266  Step(s) 9-11, 13 | Test Script 28 - Infor10 Purchase Order Receipts  Test Script 29 Oracle Purchase Order Receipts  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.7 | The system shall have the capability to track invoice information and reconcile expenditures against purchase orders/receipts. | ITPD-38444 GFR-003 | The interface processes Parts and Service Receipts transmissions and delivers the packets to Oracle EBS. | ITPD-38450 DSG01-03 | The interface consists of an INFOR application server than connects to an INFOR ION server. The ION server connects to the FUSION server that in turns connects to Oracle EBS. | ALM 15  Test ID: 153  -Run ID: 196  -Step(s): 28 | Regress the process of receiving a Purchase Order in CMMS, and generating and processing the associated Pruchase Receipt. | ITPD-38850 TS 1.28  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 28  ALM 15  Run ID 265  Step(s) 8-13  Run ID 266  Step(s) 8-13 | Test Script 28 – Infor10 PO Receipts  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 5.15 | The system shall have the capability to reorder parts based on stocking parameters | N/A | N/A | N/A | N/A | N/A | N/A | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045  ALM 15  Test ID 165  Run ID 179  Step(s) 13 | Test Script 25- Infor 10Purchase Requisitions  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 REQ-001 | Each Requisition is processed as a unique data set. | ITPD-38450 DSG04-01 | Each PR is an XML with a unique ID. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 13, 14, 24, 25 | Regress the process of sending Purchase Receipt data from CMMS to Oracle EBS. | ITPD-38850 TS 1.26  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13  ALM 15  Test ID 208  Run ID 306  All steps | Test Script 26 – Oracle Purchase Requisitions/Purchase Order  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts  CHG0114152: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 REQ-002 | The Requisition either passes all Fusion/Oracle validation and then is passed to EBS or it is returned to INFOR, via email, as an exception. | ITPD-38450 DSG04-02 | The PR is processed through standard EBS validation for PR and the complete PR is rejected and an exception email is sent to INFOR if any part of the PR fails. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 13, 14, 24, 25 | Regress the process of sending Purchase Receipt data from CMMS to Oracle EBS. | ITPD-38850 TS 1.26  ITPD-38850 TS 1.30  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13  ALM 15  Test ID 208  Run ID 306  All steps | Test Script 26 – Oracle Purchase Requisitions/Purchase Order (Clears Validation)  Test Script 30– Oracle Purchase Requisitions/Purchase Order (Fails Validation)  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts  CHG0114152: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | ITPD-38444 REQ-003 | The Requisition can be for parts and/or Service. | ITPD-38450 DSG04-03 | The standard BIIB functionality for PR allows for Parts and service to be included in a PR. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 8-14, 19-25 | Regress addition of a part / service line to a Purchase Requisition. | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 8, 12  Run ID 266  Step(s) 8, 12  ALM 15  Run ID 265  Step(s) 14 – 17 | Test Script 25-Infor10 Purchase Requisitions  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 PO-001 | Each PO Line is transmitted in a separate file that is part of a unique data set. | ITPD-38450 DSG04-04 | EBS generates a separate XML for each line of the PO and tags all lines with a unique number that ends with an “R”. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 26-28 | Regress the process of receiving Purchase Order part / service lines into the CMMS from Oracle EBS. | ITPD-38850 TS 1.25  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13 | Test Script 25-Infor10 Purchase Requisitions  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 REC-001 | Each Receipt is a unique data set. | ITPD-38450 DSG04-06 | Each Receipt is an XML with a unique ID starting with INF####. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 30, 31 | Regress the purchasing integration with Oracle EBS from receipt of the Purchase Requisition in Oracle EBS, through the Purchase Order transaction, to processing of the Purchase Receipt part / service lines. | ITPD-38850 TS 1.28  ITPD-38850 TS 1.29  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13 | Test Script 28 Purchase Order Receipts and Part Inspection  Test Script 29 Oracle Purchase Order Receipts  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 REC-002 | The Receipt either passes all Fusion/Oracle validation and then is passed to EBS or it is returned to INFOR, via email, as an exception. | ITPD-38450 DSG04-07 | The Receipt is processed through standard EBS validation for receipts and the complete receipt is rejected and an exception email is sent to INFOR if any part of the receipt fails. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 30, 31 | Verify receipt of the Purchase Receipt from the CMMS to Oracle EBS. | ITPD-38850 TS 1.29  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13 | Test Script 29 Oracle Purchase Order Receipts  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.1 | The system shall be capable of integrating with Oracle Purchasing application for the generation of vendor records, and purchase orders, as well as the receipt of materials, and viewing of purchase order balances. | ITPD-38444 REC-003 | The Receipt can be for Parts or Service. | ITPD-38450 DSG04-08 | The standard BIIB functionality for Receipts allows for Parts and service to be included in a receipt. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 27-31 | Regress the purchasing integration with Oracle EBS from receipt of the Purchase Requisition in Oracle EBS, through the Purchase Order transaction, to processing of the Purchase Receipt part / service lines. | ITPD-38850 TS 1.28  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Run ID 265  Step(s) 8, 12  Run ID 266  Step(s) 8, 12 | Test Script 28 – Infor10 PO Receipts and Part Inspection  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 CCD-001 | Cost Code Data is transmitted from EBS as a unique data set. | ITPD-38450 DSG04-09 | A scheduled update of XMLs for Cost Codes changed since the last transmission is pushed to INFOR from EBS. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 35-37 | Verify receipt by the CMMS of an update to a Cost Code to the CMMS from Oracle EBS. | ITPD-38850 TS 1.24  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Test ID 189  Run ID 235  Steps 2 - 9 | Test Script 24 Cost Code Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0099490: CMMS VAL executed Functional Test Script | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 CCD-002 | Cost Code Data transmissions contain add and change transaction types. | ITPD-38450 DSG04-10 | Each XML contains a transaction type of add or change. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 35-37 | Verify receipt of new and updated Cost Code records to the CMMS from Oracle EBS. | ITPD-38850 TS 1.24  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196  ALM 15  Test ID 189  Run ID 235  Steps 2 - 9  ALM 15  Run ID 265  Step(s) 2-13  Run ID 266  Step(s) 2-13 | Test Script 24 Cost Code Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0099490: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 ED-001 | Employee Data is transmitted from Oracle HR as a unique data set. | ITPD-38450 DSG04-11 | A scheduled update of XMLs for Employee Data changed since the last transmission is pushed to INFOR form the HR Master Employee Data files. | N/A | N/A | ITPD-38850 TS 1.23  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196 | Test Script 23 – Employee Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 6.2 | The system shall have the capability to exchange pertinent procurement data with Oracle iProcure. | ITPD-38444 ED-002 | Employee Data transmissions contain add and change transaction types. | ITPD-38450 DSG04-12 | Each XML contains a transaction type of add or change. | N/A | N/A | ITPD-38850 TS 1.23  ITPD-79035  ITPD-79045  ALM 15  Test ID 153  Run ID 196 | Test Script 23 – Employee Data  Pre-Approved Functional Test Script (following Infor11 upgrade)  CMMS VAL Executed Functional Test Script (following Infor11 upgrade)  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.3 | The system shall provide authorized users with the ability to extract/export data from the system in an acceptable format such as Microsoft Excel. | N/A | N/A | N/A | N/A | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779 | Test Script 22 – System Functionality  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 7.5 | The system shall allow for auto generated reports to be distributed via email | N/A | N/A | N/A | N/A | N/A | N/A | ITPD-37518 TS 1.22  ARC-0000007779  ALM 15  Test ID 160  Run ID 170  Step(s) 13, 14, 16  ALM 15  S  Run ID 173  Step(s) 2, 3, 10, 11  ALM 15  Test ID 161  Run ID 338  Step(s) 2, 3, 10, 11 | Test Script 22 – System Functionality  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.7 | The system shall be able to modify/control equipment information based on user permissions. | N/A | N/A | N/A | N/A | N/A | N/A | ITPD-37518 TS 1.12  ARC-0000007779  ITPD-37518 TS 1.5  ARC-0000007778  ALM 15  Test ID 171  Run ID 188  Step(s) 1 - 6 | Test Script 12 – Equipment Update Request  Executed CMMS VAL Functional Test Scripts  Test Script 5 – Extensions  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.12 | The system shall be able to identify equipment records as instruments requiring calibration. | FR 6.3.11 | The system provides a checkbox identifying the record as an instrument on all equipment screens. | DS3-11 | The system has a "Measurement Device" checkbox that identifies equipment as an instrument in the Equipment screen. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 172  Run ID 189  Step(s) 6, 7  ALM 15  Test ID 172  Run ID 328  Step(s) 6, 7 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.13 | The system shall be able to capture the status of an instrument. | FR 6.3.12 | The system provides a definable status field on the Equipment record. | DS3-12 | The system has an Equipment Status field to define the status of the equipment in the Equipment screen. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 169  Run ID 197  Step(s) 1  ALM 15  Test ID 169  Run ID 327  Step(s) 1 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| DS3-12.1 | Upon updating Parent equipment status to “Withdrawn” child equipment in the same org is also withdrawn. | CHG0121659  ALM 15  Test ID: 216  Rev.: 1  Run ID: 317  Step(s): 1,2 | System Testing for withdrawing child equipment. | N/A | N/A | N/A | N/A |
| BR 3.14 | The system shall be able to identify the classification of an instrument. | FR 6.3.13 | The system provides a class field on the Equipment Record View tab for classification purposes. | DS3-13 | The system has an Equipment Class field to define the class of the equipment in the Equipment screen. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 169  Run ID 197  Step(s) 1  ALM 15  Test ID 169  Run ID 327  Step(s) 1 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.15 | The system shall be able to store calibration data including calibration limits, ranges, units of measure, tolerances, test points, comments and standards used at an instrument level (Calibration Information). | FR 6.3.14 | The system provides for creating and storing calibration data by instrument or instrument category including calibration limits, ranges, units of measure, tolerances, test points, comments, and standards. | DS3-14 | The system provides a Categories screen that allows entry of calibration data, as well as specific test point data. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5, 8, 9  ALM 15  Test ID 161  Run ID 338  Step(s) 5, 8, 9  ALM 15  Test ID 162  Run ID 174  Steps 3 - 6 | Test Script #1- Category Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| FR 6.3.58 | The system allows for preservation of all significant digits when entering device readings onto calibration test points on Work Orders. | DS3-63 | System software supports preservation of significant digits in numeric fields for capturing calibration readings on the Test Points tab of the Work Orders screen. | ALM 15  Test ID: 271  -Run ID: 437  -Step(s): all | Verification that zeros entered into Test Point fields are preserved by the CMMS, even when the zeros trail decimal places | N/A | N/A | N/A | None |
| BR 3.16 | The system shall be able to designate differing units of measure for inputs vs. outputs in calibration testing. | FR 6.3.15 | The system provides separate units of measure for a test point and test point output. | DS3-15 | There are unit of measure fields for Test Points and Expected Outputs on the Category, Equipment, and Work Order screens. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5  ALM 15  Test ID 161  Run ID 338  Step(s) 5 | Test Script #1- Category Creation Test Script #3- Instrument Creation Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.17 | The system shall be able to designate differing units of measure for individual test points within a set of test points on an instrument. | FR 6.3.16 | The system provides a specific unit of measure for each test point on the instrument. | DS3-16 | Each Test Point has a Test Point unit of measure on the Test Points tab of the Equipment, & Category screens as well as on the Calibration tab of the Work Order screen. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 6  ALM 15  Test ID 161  Run ID 338  Step(s) 6 | Test Script #1- Category Creation Test Script #3- Instrument Creation Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.18 | The system shall provide a mechanism for storing calibration information as a template for like instruments. | FR 6.3.17 | The system provides a Category code with calibration and test point data that can then be assigned to like instruments. | DS3-17 | The system provides a Categories screen where an instrument category can be defined including calibration and test point data and then automatically be associated to the Equipment. | N/A | N/A | ITPD-49664  ARC-0000197171  ITPD-86195  ALM 15  Test ID 158  Run ID 168  Step(s) 5, 6, 9, 10  ALM 15  Test ID 158  Run ID 329  Step(s) 5, 6, 9, 10 | Test Script #1- Category Creation  Executed CMMS VAL Functional Test Scripts  CR 710019 – Executed VAL CMMS Functional Test Script  Objective 12  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.19 | The system shall be able to update calibration information as a batch for like instruments. | FR 6.3.18 | The system provides an Update Equipment function in the Categories program to update all equipment assigned to that category. | DS3-18 | Right clicking on the screen of the Calibration tab of Categories and clicking on *Update Equipment*, as well as clicking on the *'Update Equipment'* link on the Test Points tab, updates the data on each of these tabs for associated equipment. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 10, 12 – 18  ALM 15  Test ID 158  Run ID 329  Step(s) 10, 12 – 18 | Test Script #1- Category Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.20 | The system shall provide a mechanism for updating an instrument to a Measurement Device. | FR 6.3.19 | The system provides a field to update equipment as a Measurement Device on the Equipment screen. | DS3-19 | The Equipment Information Update Request process has a “Measurement Device” field. The associated instrument is updated upon the value selection and when the process is 'EQI-Closed'. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 4  ALM 15  Test ID 161  Run ID 338  Step(s) 4 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.21 | The system shall be able to track the location of an instrument and shall maintain a history of all location changes. | FR 6.3.20 | The system provides for a location in the Equipment structure that creates a history record in the Events tab each time the equipment location is changed. | DS3-20 | Each instrument can be linked to a location parent in structure. Each time this location is updated, the Events tab is populated with a record documenting the change. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 167  Run ID 182  Step(s) 5, 6  ALM 15  Test ID 167  Run ID 326  Step(s) 5, 6 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.22 | The system shall be able to track the parent system of an instrument and shall maintain a history of all equipment hierarchy changes. | FR 6.3.21 | The system provides an equipment hierarchy on the Equipment Structure tab and captures hierarchy changes on the Events tab. | DS3-21 | The equipment hierarchy can be defined on the Structure tab of the Equipment screen. Each time the structure is updated, the Events tab is populated with a record documenting the change. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 167  Run ID 182  Step(s) 4, 6  ALM 15  Test ID 167  Run ID 326  Step(s) 4, 6 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.23 | The system shall provide a method of tracking calibration standards as serialized equipment and as standardized inventory items. | FR 6.3.22 | The system provides for tracking of serialized equipment marked as calibration standards through the Part screen in the Record View tab. | DS3-22 | The Part screen has two checkboxes, “Track by Asset” and “Calibration Standard”. Checking both allows tracking of serialized calibration standards. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 165  Run ID 179  Step(s) 10 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.24 | The system shall have the ability to identify all calibration work performed with a given standard within a given time frame. (Reverse Traceability) | FR 6.3.23 | The system provides for reverse traceability for a defined date range using a defined standard. | DS3-23 | The system provides a "Reverse Traceability" report that shows all calibration work orders that have been calibrated using a specific Calibration Standard during a specified date range. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 9, 12  ALM 15  Test ID 161  Run ID 338  Step(s) 9, 12 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.25 | The system shall provide a mechanism for performing a criticality risk assessment on an instrument and capturing the results. | FR 6.3.24 | The system provides a method of performing a criticality assessment on an instrument based on a predefined set of questions. | DS3-24 | The system has an Instrument CRA process. Answering questions on a CRA survey accessible via a button "CRA/SIA Questions" on the Record View tab defines the instrument ‘Classification’ on the Record View tab. This Classification is applied to the associated instrument upon the status being changed to 'CRA/SIA-Closed'. | N/A | N/A | ITPD-49664  ARC-0000197171  HP/ALM Test Script  Test ID 129, Rev. 1, Step 53  ALM 15  Test ID 172  Run ID 189  Step(s) 1, 4 – 7  ALM 15  Test ID 172  Run ID 328  Step(s) 1, 4 – 7  ALM 15  Test ID 135  Run ID 144  All steps | Test Script #2- Criticality Risk Assessment (CRA) Creation  Executed CMMS VAL Functional Test Scripts  CHG0054991 - Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0061925: CMMS VAL Executed Functional Test Script | N/A | None |
| BR 3.26 | The system shall provide a mechanism for identifying the criticality of an instrument. | FR 6.3.25 | The system provides a Classification field with business rule capability to define the criticality of an instrument. | DS3-25 | The system provides the “Classification” field in the Record View of the Instrument CRA screen. Classification value is produced after going through the process. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 172  Run ID 189  Step(s) 8, 9  ALM 15  Test ID 172  Run ID 328  Step(s) 8, 9 | Test Script #2- Criticality Risk Assessment (CRA) Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.27 | The system shall provide a mechanism for attaching scanned documentation to an instrument record. | FR 6.3.26 | The system provides for scanned document attachment capability on Equipment records on the Documents tab. | DS3-26 | The Equipment screen all have a Documents tab where documents may be attached to each individual record. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 164  Run ID 177  Step(s) 2 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.28 | The system shall provide a mechanism for communicating test point level instructions/comments and transferring this information to calibration work orders. | FR 6.3.27 | The system provides a comments field on each calibration test point that can be used for instructions/comments and will transfer to the calibration work order. | DS3-27 | The Equipment screen all have a test point comments field located on the Test Points tab. When a work order is created for an instrument, the test point comments will transfer to the work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 5, 6, 9, 10  ALM 15  Test ID 158  Run ID 329  Step(s) 5, 6, 9, 10 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.29 | The system shall have a mechanism for tracking the approval flow of the CRA Process outside of the instrument record (CRA Request) | FR 6.3.28 | The Instrument CRA screen is used to track the approval of an instrument update. | DS3-28 | The Instrument CRA screen is a classification process for instruments. The process automatically calculates the classification of an instrument based on answers to predefined questions. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 172  Run ID 189  Step(s) 7  ALM 15  Test ID 172  Run ID 328  Step(s) 7 | Test Script #2- Criticality Risk Assessment (CRA) Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.30 | The CRA Request mechanism shall include designation of Criticality Risk Assessment, Interval of calibration, range and tolerance information. | FR 6.3.29 | A CRA request process is provided to document the criticality classification, the interval of calibration, the range, and the tolerance of the instrument. A check box on the instrument will indicate the CRA has been completed. | DS3-29 | The Instrument CRA screen classifies the instrument based on answers to predefined questions. The CRA also allows users to enter Calibration Range, Calibration Tolerance, Document Attached?, and Proposed Interval data. A ‘CRA Complete’ checkbox along with the ‘CRA Request No’ on the Equipment screen shows whether the instrument CRA is complete and the related request number is hyperlinked to the CRA request. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 172  Run ID 189  Step(s) 7  ALM 15  Test ID 172  Run ID 328  Step(s) 7 | Test Script #2- Criticality Risk Assessment (CRA) Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.31 | The system shall provide automatic updates of the Category field and updating the CRA assessment results into the appropriate equipment Category field. | FR 6.3.30 | The system provides capabilities through FLEX SQL configuration to update information on the equipment form based on the CRA assessment. | DS3-30 | The system provides the “Instrument Category” field on the Instrument CRA screen. When the Instrument CRA process becomes 'CRA-Effective', the “Category” field is updated on the associated instrument record along with the calibration details and test points. | N/A | N/A | ITPD-49664  ARC-0000197171  ITPD-86195  ALM 15  Test ID 172  Run ID 189  Step(s) 7 – 9  ALM 15  Test ID 172  Run ID 328  Step(s) 7 - 9 | Test Script #2- Criticality Risk Assessment (CRA) Creation  Executed CMMS VAL Functional Test Scripts  CR 710019 – Executed VAL CMMS Functional Test Script  Objective 12  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.32 | The system shall allow for the association of instruments to parts records. | FR 6.3.31 | The system provides for the direct association of instruments to part records on the Equipment Record View tab in the Part Information section. | DS3-31 | The system has a Part field to associate a part to an instrument in the Equipment screen. | N/A | N/A | ITPD-49664  ARC-0000197171  ITPD-37518    ARC-0000007779  ALM 15  Test ID 167  Run ID 182  Step(s) 2  ALM 15  Test ID 167  Run ID 326  Step(s) 2 | Test Script #3 Instrument Creation  Executed CMMS VAL Functional Test Scripts  1.18 Step 23 – Asset Commissioning  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.33 | The system shall provide a mechanism for identifying an instrument as missing. | FR 6.3.32 | The system provides a means to mark an instrument as 'missing' by creating and using a defined supplemental status on the Record View tab. | DS3-32 | The system provides a Supplemental Status for an instrument as being ‘Missing’. The Equipment Information Update Request process updates the instrument's supplemental status upon the selection of that status and when the process is 'EQI-Closed'. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 167  Run ID 182  Step(s) 7  ALM 15  Test ID 167  Run ID 326  Step(s) 7 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.12 | The system shall allow authorized users to generate calibration work orders from a preventive maintenance schedule. | FR 6.4.27 | The system provides authorized users a Generate WO program to generate PM work orders by work order type - 'PMCAL - Calibration' work orders. | DS4-27 | The system provides a Generate WOs screen where authorized users may generate PMCAL work order types. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 1, 2, 8 - 10, 12, 13  ALM 15  Test ID 158  Run ID 329  Step(s) 1, 2, 8 - 10, 12, 13 | Test Script #4- Scheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.13 | The system shall be able to associate multiple PM schedules to an individual instrument. | FR 6.4.28 | The system allows multiple PM schedules to be associated to one instrument on the PM Schedules tab. | DS4-28 | On the PM Schedules tab of the Equipment screen, multiple PM Schedules can be associated for an instrument. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 1, 2  ALM 15  Test ID 158  Run ID 329  Step(s) 1, 2 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.14 | The system shall allow authorized users to generate calibration work orders for unscheduled or on-demand calibrations. | FR 6.4.29 | The system allows for the creation of unscheduled calibration work orders in the Work Order program. | DS4-29 | The Manufacturing/Engineering Work Request screen allows for the creation of an unscheduled calibration work order. The work order types include BR, CM, & RM for unscheduled calibration work orders. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 168  Run ID 183  Step(s) 17 | Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.15 | The system shall provide a method of differentiating Calibration Work orders from general maintenance work orders. | FR 6.4.30 | The system provides a way to categorize work orders by using a UDF checkbox labeled as 'Calibration WO' on the Work Order Record View tab. | DS4-30 | On the Record View tab of the Work Order is a ‘Calibration WO’ checkbox that is automatically checked if calibration Test Points exist. It can also be manually checked if there are no test points, but the work order is a still a calibration work order. Also, the Manufacturing/Engineering Work Request allows the requestor to check the ‘Calibration Request’ checkbox indicating a request for calibration. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 9, 17  ALM 15  Test ID 158  Run ID 329  Step(s) 9, 17 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.16 | The system shall provide a method of differentiating calibration work orders performed by Company A technicians vs. performed by vendor calibration technicians. | FR 6.4.31 | The system provides a 'Supplier' field on the Record View of the work order that can house the calibration vendor code. | DS4-31 | When a work order status is set to “With Vendor”, the work order Supplier field becomes mandatory prior to saving the record. A Supplier code must be entered into this field, which will identify which vendor has the instrument for calibration. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 173  Run ID 190  Step(s) 4, 5 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.17 | The system shall provide a mechanism for capturing the name of the vendor performing the calibration. | FR 6.4.32 | The system provides a Supplier field on the work order that can indicate the calibration vendor. | DS4-32 | Once the Supplier field on the Work Order is filled-in, this will indicate which vendor has the instrument for calibration. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 173  Run ID 190  Step(s) 4 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.18 | The system shall be able to identify which instruments have been sent off-site to external vendors. | FR 6.4.33 | The system provides a work order status field that will designate that the calibration work order has been sent to a vendor. (Status = "With Vendor") | DS4-33 | The System provides the work order status ‘With Vendor’ for scheduled and unscheduled calibration work orders. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 167  Run ID 182  Step(s) 14  ALM 15  Test ID 167  Run ID 326  Step(s) 14 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.19 | The system shall provide a mechanism for vendor performed calibrations allowing users to attach scanned certificates. | FR 6.4.34 | The system provides Document Attachment capability so that vendor certificates may be attached to a calibration record. | DS4-34 | The Work Order program includes a Documents tab where vendor calibration certificates may be attached to a work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 164  Run ID 177  Step(s) 2 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.20 | The system shall be able to capture calibration data and status per test point for As-Found conditions and As-Left conditions including failures and adjustments during the calibration process. | FR 6.4.35 | The system provides the ability to capture calibration data and status per test point for As-Found conditions and As-Left conditions including failures and adjustments during the calibration process. | DS4-35 | The Calibration tab of the Work Order allows entry of individual test point data, for both ‘As Found’ and ‘As Left’. A test point Status will be automatically determined by the system for each As Found and As Left Test Point. | CHG0121659  ALM 15  Test ID: 216  Rev.: 1  Run ID: 317  Step(s): 1,2 | System Testing for updates to as left / as found logic. | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5 – 7  ALM 15  Test ID 161  Run ID 338  Step(s) 5 - 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.21 | The system shall be able to capture the overall calibration status of an instrument As-Found at the time of the calibration and As-Left after all test points have been completed including failures and adjustments. | FR 6.4.36 | The system provides the ability to capture the overall calibration status of an instrument As-Found at the time of the calibration and As-Left after all test points have been completed including failures and adjustments. | DS4-36 | The Calibration and Record View tabs of the Work Order have a 'Calibration Status' field that displays the overall work order calibration status based on As Found and As Left test point device readings. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5 – 7  ALM 15  Test ID 161  Run ID 338  Step(s) 5 - 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.22 | The calibration technician must be able to see whether the entered calibration result is within or outside of the Calibration tolerance and the Adjustment tolerance. | FR 6.4.37 | The system provides the means for the calibration technician to view whether the entered calibration results are within or outside of the Calibration tolerance on the calibration work order. | DS4-37 | The Calibration tab of the Work Order displays an individual Test Point Status including ‘Pass’, ‘Fail’, ‘Adjust’, ‘Pass, adjust exists’, ‘Fail, adjust exists’. This status alerts the technician to whether the calibration result is within or outside of the test point calibration tolerance. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5 – 7  ALM 15  Test ID 161  Run ID 338  Step(s) 5 - 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.23 | The system shall provide a mechanism for capturing all standards used during the calibration of an instrument. | FR 6.4.38 | The system provides the ability to capture the Standard used on a calibration work order. | DS4-38 | The Calibration tab of the Work Order screen includes a menu link called ‘Standards Used’ which allows capture of the standard used for the work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 9  ALM 15  Test ID 161  Run ID 338  Step(s) 5 - 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.24 | The system shall provide a method of verifying a standard is not past its expiration date before being used for calibration. | FR 6.4.39 | The system provides business rules to identify standards past their expiration dates. | DS4-39 | The system determines if the Standard is past its expiration data based on two scenarios.  1) If the Standard is a solution, the system identifies the Expiration date of the associated Lot.  2) If the standard is an instrument, the system identifies when the calibration date of the Standard is past its due date The system will error at using an expired standard. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 4, 8  ALM 15  Test ID 161  Run ID 338  Step(s) 4, 8 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.25 | The system must provide a work order status flow for the calibration work order. | FR 6.4.40 | The system provides a work order status flow for the calibration work order. | DS4-40 | The system provides a calibration work order status flow. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 115  Run ID 104  Steps 3 - 8 | Test Script #4, Obj 1- Scheduled Calibration Work Orders Test Script #5, Obj 4- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0046471: Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 4.26 | The calibration status shall exist independently of the work order status for the calibration work order. | FR 6.4.41 | The system provides a calibration status that is independent of the work order status. | DS4-41 | The Calibration and Record View tabs of the Work Order have a ‘Calibration Status’ field that displays calibration results. This status is independent of the Work Order status. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5 – 7  ALM 15  Test ID 161  Run ID 338  Step(s) 5 - 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.27 | The system shall provide a mechanism for documenting adjustments made during the performance of the calibration. | FR 6.4.42 | The system provides As-Left information, test point comments and work order comments for calibration notes. | DS4-42 | The Calibration tab of the Work Order provides As-Left information and a comment section for each test point. The Work Order also has a Comments tab which can be used for calibration notes. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 7  ALM 15  Test ID 161  Run ID 338  Step(s) 7 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.28 | The system shall provide a method for documenting out of tolerance "RAR" reference record from supporting systems for failed calibrations on critical equipment for calibrations requiring an RAR. This field will require population for work orders requiring an RAR. | FR 6.4.43 | The system shall provide a field on the work order for capturing RAR Information (Trackwise #). Population of this field will be required via FLEX configuration for work orders requiring an RAR. | DS4-43 | If a calibration work order requires an RAR, the TRN field on the Work Order becomes mandatory when the Work Order is completed. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 10  ALM 15  Test ID 161  Run ID 338  Step(s) 10 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.29 | The system shall be able to capture the employee performing a calibration work order. | FR 6.4.44 | The system captures the e-Signature of the employee completing the work order. | DS4-44 | The system has been configured to capture the e-Signature of the user completing the work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 10  ALM 15  Test ID 161  Run ID 338  Step(s) 10 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.30 | The system shall be able to capture the time required to perform a calibration work order. | FR 6.4.45 | The system provides an "Hours Worked" field on the work order which captures the time worked by employee. | DS4-45 | The ‘Book Labor’ tab of the Work Order allows entry of the amount of hours worked on the work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 10  ALM 15  Test ID 161  Run ID 338  Step(s) 10 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.31 | The system shall provide a searchable database of unscheduled or scheduled calibration work order records. | FR 6.4.46 | The system provides a searchable database of work orders. Calibration work orders will have a checkbox to identify calibration work orders whether they are scheduled or unscheduled. | DS4-46 | The system provides a List View tab on the Work Order screen that allows users to filter for calibration work orders using columns such as 'Status', 'WO Type', and 'Calibration WO'. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 178  Run ID 204  Step(s) 1, 5, 14, 24, 25 | Test Script #4 step 129- Scheduled Calibration Work Orders Test Script #5, Step(s) 146-149- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.32 | The system shall provide a method of associating a calibration work order to a repair work order resulting from the performance of calibration activities. | FR 6.4.47 | The system provides a Parent/Child relationship with regard to Work Orders which can associate repair work orders to calibration work orders. | DS4-47 | On the Work Order Record View tab, there exists a Parent Work Order field which allows an association of a maintenance work order to a calibration work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 13  ALM 15  Test ID 161  Run ID 338  Step(s) 13 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.33 | The system shall allow for a grace period for the performance of a calibration work order after the work order is generated. This grace period is determined procedurally based on criticality and frequency of calibration. | FR 6.4.48 | The system provides a PM Due Date and PM Interval that defines the 'grace period' for each Calibration PM schedule. | DS4-48 | In the PM Schedule screen, the 'grace period' is defined as 'Duration' in the Record View and PM Due Date is defined as 'Due Date' of the instrument on the Equipment tab. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 9  ALM 15  Test ID 221  Run ID 334  Step(s) 2 – 5 | Test Script #4- Scheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.34 | The system shall provide the capability of tracking schedule extensions for calibration work orders. | FR 6.4.49 | The system provides a work order status field that will designate that the calibration is working its way through the extension process. | DS4-49 | The system provides a work order status description that starts with ‘EXT’ that designates the extension process that the calibration work order is going through. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 24 - 27  ALM 15  Test ID 158  Run ID 329  Step(s) 24 - 27 | Test Script #4- Scheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.35 | The system shall provide a method of identifying instruments having 3 or more sequential calibrations found out of tolerance. | FR 6.4.50 | The system provides reporting to identify instruments that have 3 or more consecutive failures. | DS4-50 | The system provides a "Out of Tolerance" report that displays instruments with 3 or more failures. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 178  Run ID 204  Step(s) 5, 25 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.36 | The system shall provide a method of displaying work instructions on a calibration work order. | FR 6.4.51 | The system provides comments text blocks for work instructions. | DS4-51 | The system provides a Job Plan Calibration Instructions tab where instructions are defined and moved to the work order activity comments block based on entry of a Job Plan on the Activity tab. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5, 6  ALM 15  Test ID 161  Run ID 338  Step(s) 5, 6 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.37 | The system shall provide a method of indicating whether an instrument passed or failed calibration at the calibration work order level. | FR 6.4.52 | The system provides a calibration status to indicate whether the instrument passed or failed calibration. | DS4-52 | The system provides a work order calibration status determined by individual test point device readings As Found and As Left. The calibration statuses include: 'Incomplete'; 'Pass'; 'Fail'; 'Pass, Adjust Exists'; 'Pass, Fail Exists'. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 1, 10  ALM 15  Test ID 161  Run ID 338  Step(s) 1, 10 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.38 | The system shall provide a method of identifying a corrective work order as a calibration work order. | FR 6.4.53 | The system provides a checkbox indicating the work order includes calibration information. | DS4-53 | The system provides a “Calibration WO” checkbox on the Record View of the Work Order screen. The checkbox is automatically checked if calibration Test Points exists for the associated instrument. It can also be manually checked if there are no test points and the work order becomes a calibration work order. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 13  ALM 15  Test ID 161  Run ID 173  Step(s) 13 | Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.39 | The system shall provide a mechanism for identifying different sets of test points for a particular category/instrument. | FR 6.4.54 | The system provides 'sets' at the test point level to separate groups of test points on scheduled calibrations. | DS4-54 | The Test Point tab of Categories allow for input of a ‘Set’ code for each Test Point on the category. This set code can be used to differentiate sets of test points for different PMs. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 5, 6  ALM 15  Test ID 161  Run ID 338  Step(s) 5, 6 | Test Script #1- Category Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.40 | The system provides automated e-mail notification of equipment owner for out of tolerance calibration results upon completion of supervisor review of the order.  If the equipment owner is not populated, no notification will be sent. | FR 6.4.55 | The system provides an email notification tool that can be configured to send email notifications for out of tolerance calibrations. | DS4-55 | Email notifications will be sent to the instrument owner for all calibration work orders that fail calibration. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 160  Run ID 170  Step(s) 12 - 14, 16  ALM 15  Test ID 161  Run ID 173  Step(s) 2, 3, 10, 11  ALM 15  Test ID 161  Run ID 338  Step(s) 2, 3, 10, 11 | Test Script #4- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 5.17 | The system shall provide a mechanism for identifying a part as a Calibration Standard. | FR 6.5.21 | The system provides a checkbox on the Part record that is linked to the Equipment which identifies the part as a Calibration Standard. | DS5-21 | The system provides a “Calibration Standard” checkbox on the Record View tab of the Part screen. When this checkbox is selected, it identifies a part as a Calibration Standard. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 165  Run ID 179  Step(s) 10 | Test Script #3- Instrument Creation  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.6 | The system shall provide access to historical calibration event records in a searchable format within the framework of the application. | FR 6.11.6 | The system provides a historical calibration event for each equipment record on the Events tab of Equipment. | DS11-06 | The system provides an Events tab on the Equipment screen that lists historical calibration activities. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 178  Run ID 204  Step(s) 5 - 9, 14 - 17 | Test Script #4, Step 124- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.7 | The system shall provide access to historical calibration related records maintaining the relationship to the equipment/instrument record for migrated equipment. | FR 6.11.7 | The system will provide an additional tab linked to equipment records to show historical calibration data that occurred outside of CMMS. | DS11-07 | The Legacy System Instrument History Records tab displays legacy transactional calibration data for the associated instrument. | N/A | N/A | ITPD-53279  ARC-0000197920 | CR# 263280; OSD Data Migration Test Scripts  Executed Data Migration and Verification Test Scripts | N/A | None |
| BR 7.8 | The system shall provide a report to access historical calibration measurement data records. | FR 6.11.8 | The system provides a Calibration History report which shows historical calibrations on each piece of equipment specified. | DS11-08 | The Legacy System Instrument History grid provides the 'Legacy System Instrument History Records' tab that lists all the historic calibration work orders for the selected equipment. Each calibration work order might also have access to measurement data. | N/A | N/A | ITPD-53279  ARC-0000197920 | CR# 263280; OSD Data Migration Test Scripts  Executed Data Migration and Verification Test Scripts | N/A | None |
| BR 7.9 | The system shall provide a Calibration Work Order Report capturing a calibration event. | FR 6.11.9 | The system will provide a custom Calibration Work Order report that reports all calibration data for the specified equipment/instrument. | DS11-09 | The system provides "Work Order Print" reports that detail all calibration data for the specified equipment/instrument. | N/A | N/A | ITPD-49664  ARC-0000197171 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts | N/A | None |
| FR 6.11.18 | The system will provide a Calibration Work Order Failure report that reports all calibration data for the specified equipment/instrument upon calibration failure. | DS11-20 | The system provides "Calibration report failure" report that detail all calibration data for the specified equipment/instrument upon calibration failure and emails the report. | CHG0121659  ALM 15  Test ID: 218  Rev.: 1  Run ID: 319  Step(s): 1,2 | Calibration Work failure report system testing. | N/A | N/A | N/A | None |
| BR 7.10 | The system shall provide a Confirmation of Calibration report displaying the last calibration performed on an instrument. | FR 6.11.10 | The system will provide a custom Confirmation of Calibration report that displays the last calibration performed on an instrument by Organization code. | DS11-10 | The system provides a “Confirmation of Calibration” report that displays the last calibration performed on an instrument. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 178  Run ID 204  Step(s) 6 - 9, 14 -16, 19 - 23 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.10 | The system shall provide a Confirmation of Calibration report displaying the last calibration performed on an instrument. | FR 6.11.10 | The system will provide a custom Confirmation of Calibration report that displays the last calibration performed on an instrument by Organization code. | DS11-18 | The Confirmation of Calibration screen will include checkboxes to specify inclusion of associated Classification information in reports. | N/A | N/A | HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60 | CR CHG0034597  Executed CMMS VAL Installation Test Script  CR CHG0034597  Executed CMMS PROD Installation Test Script | N/A | None |
| BR 7.11 | The system shall provide a method of displaying all parents and/or children records for an instrument. (Hierarchy Report) | FR 6.11.11 | The system provides a report for equipment structure to show parent/child relationships. | DS11-11 | The system provides a “Equipment Hierarchies” report that displays the parent and child relationship of instruments. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 167  Run ID 182  Step(s) 2  ALM 15  Test ID 167  Run ID 326  Step(s) 2 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 7.12 | The system shall provide a method of displaying all active or open calibration work orders. | FR 6.11.12 | The system will provide a list of all active calibration work orders based on the work order type, Calibration WO checkbox, and Status. | DS11-12 | The system provides a method of creating a dataspy that lists all calibration related work orders that are not in a ‘Closed’ status. | N/A | N/A | ITPD-49664  ARC-0000197171 | Test Script #4, step 129- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 7.13 | The system shall provide a report to forecast scheduled calibrations including calibration data. | FR 6.11.13 | The system provides a method of forecasting scheduled calibrations including calibration data: Instrument ID Ranges Test Points Criticality Owner Manufacturer | DS11-13 | The system provides a “PM Forecast” report that shows calibration PMs coming due by instrument ID based on date range input. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 158  Run ID 168  Step(s) 9, 11  ALM 15  Test ID 158  Run ID 329  Step(s) 9, 11 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 7.14 | The system shall provide a report displaying all devices calibrated using a specific standard over a specified period of time. (Reverse Traceability) | FR 6.11.14 | The system provides a reverse traceability feature by tying a part record, marked as a standard, to an instrument. | DS11-14 | The system provides a "Reverse Traceability" report that displays equipment that has been calibrated using a specific Calibration Standard during a specified date range. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 161  Run ID 173  Step(s) 12  ALM 15  Test ID 161  Run ID 338  Step(s) 12 | Test Script #6- Reports  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 7.15 | The system shall provide a method of displaying all historical calibrations performed on an instrument. | FR 6.11.15 | The system provides event history of all calibrations performed on an instrument. | DS11-15 | The system provides an Events tab and Legacy System Instrument History Records tab on the Equipment instrument screen that lists historical calibration activities. | N/A | N/A | ITPD-49664  ARC-0000197171  ALM 15  Test ID 178  Run ID 204  Step(s) 6 - 9, 14 -16, 19 - 23 | Test Script #4, Step 124- Scheduled Calibration Work Orders Test Script #5- Unscheduled Calibration Work Orders  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 11.4 | The System shall provide a method of storing and accessing legacy system transactional data that will not be migrated into the base application. | FR 6.12.4 | The system will provide access to legacy system transactional data searchable by instrument through a customized data grid. | DS12-4 | The Legacy System Instrument History grid displays transactional calibration data from the legacy systems. | N/A | N/A | ITPD-53279  ARC-0000197920 | CR# 263280; OSD Data Migration Test Scripts  Executed Data Migration and Verification Test Scripts | N/A | None |
| BR 11.5 | Legacy information shall be accessible for migrated instruments and equipment as well as obsolete, non-migrated instruments and equipment. | FR 6.12.5 | This should be: The system will provide access to legacy system information via an equipment tab custom data grid for currently installed equipment and a custom transactional data grid for equipment that may or may not be in Infor 10. | DS12-5 | The Legacy System Instrument History Records tab on the Equipment screen displays legacy transactional data for the instrument selected. The system also provides the Legacy System Instrument History grid which displays legacy transactional calibration data. | N/A | N/A | ITPD-53279  ARC-0000197920 | CR# 263280; OSD Data Migration Test Scripts  Executed Data Migration and Verification Test Scripts | N/A | None |
| BR 11.6 | Legacy information shall be sortable, searchable, filterable, and exportable. | FR 6.12.6 | Legacy transactional data will be located in a custom data grid which will be sortable, searchable, filterable and exportable to Excel. | DS12-6 | The Legacy System Instrument History grid displays transactional calibration data from the legacy systems. This grid acts the same as a standard CMMS grid where the data is sortable, searchable, filterable and exportable to Excel. | N/A | N/A | ITPD-53279  ARC-0000197920 | CR# 263280; OSD Data Migration Test Scripts  Executed Data Migration and Verification Test Scripts | N/A | None |
| BR 3.34 | The system shall provide a means to store meter readings for equipment/instrument. | FR 6.3.33 | The system provides a meter tab to record PI meter readings both automatically and manually. The tab will provide options to update and track meter readings for each specific equipment/instrument. | DS3-33 | The system provides a “Meters” tab that displays the meter readings for an instrument/equipment. The meters tab provides the ability to see past meter readings, and new meter readings can be entered into the system. | N/A | N/A | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 7  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 7  ALM 15  Test ID 257  Run ID 383  Steps 3, 5 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0142576 CMMS VAL planned Functional Test Script | N/A | None |
| BR 4.41 | The system shall provide a means to generate work orders based on meter reading. | FR 6.4.56 | The system provides a Meter-based PM schedule to generate PM work orders based on meter readings from the PI system. | DS4-56 | The system will generate PM work orders based on the desired meter reading interval denoted on the PM Schedule. These work orders will be generated automatically once the “Meter Interval” on the PM Schedule has been reached. | ALM 15  Test ID 257  Run ID 383  Steps 3, 5 | CHG0142576 CMMS VAL planned Functional Test Script | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 4 – 10  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 4 - 10 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.42 | The system shall provide a means to pull specific readings from the PI System. | FR 6.4.57 | The system provides a “Meter” tab on equipment and a “PI Alert Data” screen to extract reading points from the PI System. | DS4-57 | The meter tab provides readings for the equipment if the equipment is located on the “Meter Equipment” grid.  The specific PI readings shown on the "PI Alert Data" grid are results of the aspect that has been set up in the Equipment Details and Aspects tabs on the Monitored Equipment screen. | ALM 15  Test ID 257  Run ID 383  Steps 3, 5 | CHG0142576 CMMS VAL planned Functional Test Script | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 4  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 4 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| DS4-73 | The system has the ability to generate 500 plus PI connections queries. This functionality is configured in the PI Interface Application DLL located in the PI Interface folders on the application server. | ALM 15  Test ID: 257  Run ID: 383  Steps 3, 5 | CHG0142576 CMMS VAL planned Functional Test Script | N/A | N/A | N/A | None |
| BR 4.43 | The system shall provide a means to store alert critical and extreme limits for equipment/instrument. | FR 6.4.58 | The system provides the “Aspects” tab on the Monitored Equipment screen to setup min/max values for alert critical and extreme limits for non-metered equipment/instrument. For metered equipment, the limits are set on the record view of the equipment screen. | DS4-58 | The system provides the “Aspects” tab on the Monitored Equipment screen. This tab uses up to 4 distinct aspects assigned to a piece of equipment. The system can assign MIN/MAX/LAST/AVG aspects, setting the min/max values for alert critical and extreme limits for non-metered equipment/instrument. | ALM 15  Test ID: 152  -Run ID: 442  -Step(s): 3 | Configuration of Aspects (monitored device readings) on Equipment via PI integration | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 3  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 3 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.44 | The system shall provide means to generate automated e-mail notification based on equipment alert criticals and extremes. | FR 6.4.59 | The system provides a place to setup automated e-mail notification when equipment alert critical/extremes are met or surpassed. Automated email notification is handled through the existing “Alert Management” menu, using the “E-mail Alerts” tab. | DS4-59 | The system provides the “E-mail Alerts” tab on the Alert Management screen to set the work order and email alerts and delay frequencies. A user is able to set up an email template and trigger an Email alert with desired data in the “Comments” tab by using this functionality. Alerts can be triggered based on the aspects that are set using the Monitored Equipment screens. | ALM 15  Test ID: 152  -Run ID: 442  -Step(s): 1 - 4 | Regress the process of configuring PI Tag, generating an extreme reading, and verifying the associated notification is produced. | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 1 – 4  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 1 - 4 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.45 | The system shall provide means to generate work orders based on equipment alert extremes. | FR 6.4.60 | The system provides a mechanism to generate work orders if extremes are met or surpassed. Work order generation is handled through the existing “Alert Management” menu, using the “Work Order Alerts” tab. | DS4-60 | The system is able to generate CM work orders for alerts when the MIN/MAX aspect range values are surpassed. A user is able to set up a Work Order alert with desired data in the “Comments” tab by using the Alert Management functionality. Work Order alerts are triggered based on the equipment’s aspects and the incoming readings from the PI system. | ALM 15  Test ID 257  Run ID 383  Steps 3, 5  ALM 15  Test ID: 152  -Run ID: 442  -Step(s): 4 | CHG0142576 CMMS VAL planned Functional Test Script  Regress process of generating an alert for an Equipment due to extreme PI meter reading. | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 4  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 4 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 10.2 | The system shall provide the ability to interface with the PI System. | FR 6.9.9 | The system provides the “PI Meter Equipment” grid, Equipment “Meter” tab and “PI Alert Data” grid displaying instruments associated with PI tags and the related data. | DS9-9 | The system provides a "PI Alert Data" grid, which contains incoming readings from PI for aspects. The grid pulls PI data if the equipment appears on the “Alert Equipment” tab, with all required information provided on the Monitored Equipment Screen. Meter PI data appears on the “Meter” tab of the equipment, if the equipment appears on the “Meter Equipment” grid. | ALM 15  Test ID 257  Run ID 383  Steps 3, 5  ALM 15  Test ID: 152  -Run ID: 442  -Step(s): 1 - 4 | CHG0142576 CMMS VAL planned Functional Test Script  Regress the process of configuring PI Tag, generating an extreme reading, and verifying the associated notification is produced. | ITPD-63417  ITPD-65278  ALM 15  Test ID 152  Run ID 384  Run ID 200  Step(s) 1 – 4  ALM 15  Test ID 152  Run ID 384  Run ID 330  Step(s) 1 - 4 | Test Script #1  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 7.16 | The system shall provide a method of printing calibration labels using the existing report functionality. | FR 6.11.16 | The system provides a method to print calibration labels using the built in Cognos reporting functions. The report will be able to be generated automatically or manually. It must include the following data:  1. Company A header  2. Calibration Classification  3. Instrument ID  4. Completed Date  5. Work Order Number  6. Expiration Date  7. Performed By | DS11-16 | The system provides a method to print calibration labels using the built in Cognos reporting functions. The report will be able to be generated from PMCAL work orders in “Work Complete” or “Closed” status. A user can also trigger the report manually be going to “Reports > Validated > Manual Calibration Label”.  The Report must include the following data:  1. Company A header  2. Calibration Classification  3. Instrument ID  4. Completed Date  5. Work Order Number  6. Expiration Date  7. Performed By | N/A | N/A | ITPD-63473  HP ALM (Domain: POIT; Project: CMMS) Test ID 116  ALM 15  Test ID 184  Run ID 217  Step(s) 2, 3 | Test Script #1  Execution of this functional test script produces the required evidence to demonstrate that the following specifications are met (CMMS Regulatory Requirements identified for additional functional testing per Remediation)  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.35 | The system shall provide a mechanism for performing a system impact assessment (SIA) on equipment and capturing the results. | FR 6.3.34 | The system provides a method of performing an SIA on equipment based on a predefined set of questions. | DS3-34 | The system has an Equipment SIA process. SIA requests will be accessible via the same screen as CRA requests (Equipment CRA/SIA Request). Answering questions on an SIA survey accessible via a button "CRA/SIA Questions" on the Record View tab defines the overall Equipment SIA on the Record View tab, as well as expanded SIA results on the System Impact Assessment Summary tab. | N/A | N/A | ITPD-67078  ITPD-68144  ITPD-86195  HP/ALM Test Script  Test ID 129, Rev. 1, Step(s) 24 and 42  ALM 15  Test ID 172  Run ID 189  Step(s) 10 – 14  ALM 15  Test ID 172  Run ID 328  Step(s) 10 – 14  ALM 15  Test ID 134  Run ID 143  All steps | Test Script 2 – Operation/ Regression Testing of Updated CRA/SIA Request Process  Executed CMMS VAL Functional Test Scripts  CR 710019 – Executed VAL CMMS Functional Test Script  (Regression Testing)  CHG0054991 - Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0061925: CMMS VAL Executed Functional Test Script | N/A | None |
| DS3-60 | Completing the survey on an SIA-FULL SIA request type on the Equipent CRA/SIA Request screen generates an overall Equipment SIA as well as expanded SIA results. The expanded SIA classifications include GMP, GCP/GLP, GPVP, Computerized System, Computerized Complexity, Chamber, Electronic Record Applicability (ERES), Data Integrity, and Audit Trail. | N/A | N/A | HP/ALM Test Script  Test ID 129, Rev. 1, Step(s) 24 and 42  ALM 15  Test ID 172  Run ID 189  Step(s) 10 – 14  ALM 15  Test ID 172  Run ID 328  Step(s) 10 - 14 | CHG0054991 - Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | N/A |
| BR 3.36 | The system shall provide a mechanism for identifying the latest SIA performed on equipment. | FR 6.3.35 | The system provides a field on the equipment record that shows the latest CRA/SIA request. | DS3-35 | The system provides the SIA Request field on the Record View tab of the Equipment screen. The field value will be the latest CRA/SIA request number on the equipment. | N/A | N/A | ITPD-67078  ITPD-68144  ALM 15  Test ID 172  Run ID 189  Step(s) 10 – 16  ALM 15  Test ID 172  Run ID 328  Step(s) 10 - 16 | Test Script 2 – Operation/ Regression Testing of Updated CRA/SIA Request Process  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.37 | DELETED | FR 6.3.36 | DELETED | DS3-36 | DELETED | N/A | N/A | N/A | N/A | N/A | None |
| BR 3.38 | The system shall provide a method to update multiple equipment on one CRA/SIA request. | FR 6.3.37 | The system provides an extra tab on the latest CRA/SIA Request screen to allow input of additional equipment on one request. | DS3-37 | The system provides the Additional Equipment tab on the CRA/SIA Request screen for users to input additional equipment of the same equipment Class. All changes to the request header equipment will cascade to the additional equipment. | N/A | N/A | ITPD-67078  ITPD-68144  ALM 15  Test ID 172  Run ID 189  Step(s) 5, 11  ALM 15  Test ID 172  Run ID 328  Step(s) 5, 11 | Test Script 2 – Operation/ Regression Testing of Updated CRA/SIA Request Process  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.39 | The system shall provide a method to roll-down updates to the children of an equipment using the CRA/SIA Request screen. | FR 6.3.38 | DELETED ~~Updates made to equipment from a SIA request will also roll-down to the SIA of all the children.~~ | DS3-38 | DELETED ~~The CRA/SIA Request screen has the ability to automatically update the SIA of children from an equipment that has completed a CRA/SIA request.~~ | N/A | N/A | ITPD-67078  ITPD-68144  ITPD-86195  ALM 15  Test ID 172  Run ID 189  Step(s) 5, 7, 9, 11, 14, 16  ALM 15  Test ID 172  Run ID 328  Step(s) 5, 7, 9, 11, 14, 16 | Test Script 2 – Operation/ Regression Testing of Updated CRA/SIA Request Process  Executed CMMS VAL Functional Test Scripts  CR 710019 – Executed VAL CMMS Functional Test Script  (Regression Testing)  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.39 | The system shall provide a method to roll-down updates to the children of an equipment using the CRA/SIA Request screen. | FR 6.3.52 | The system has the ability to determine the ‘Direct Impact or Child of Direct Impact’ status on a piece of equipment and roll-down to their children (if any), on the Equipment CRA/SIA Request screen. | DS3-52 | Completing an Equipment CRA/SIA Request will determine and update the ‘Direct Impact or Child of Direct Impact’ checkbox value of an equipment and their children (if any) in the Equipment screen. The ‘Direct Impact or Child of Direct Impact’ checkbox value on a child equipment will always follow the parent equipment. | N/A | N/A | HP/ALM Test Script ID: 16 Rev.1  Run ID: 21 | CR 769775: Executed VAL CMMS Functional Test Script  Objective 1,2 | N/A | None |
| BR 3.39 | The system shall provide a method to roll-down updates to the children of an equipment using the CRA/SIA Request screen. | FR 6.3.53 | The system provides SIA request types on the Equipment CRA/SIA Request screen that will determine the SIA on a piece of equipment and roll-down to their children (if any) that are functional systems. | DS3-53 | Completing a SIA-FULL SIA or SIA-NO IMPACT request type on the Equipment CRA/SIA Request screen will determine and update the values of the System Impact Assessment field, SIA Request field, and fields in the System Assessment Expanded Results panel on the associated Equipment record and its Children (if any) that are Functional Systems. | N/A | N/A | HP/ALM Test Script ID: 16 Rev.1  Run ID: 21  HP/ALM Test Script  Test ID 129, Rev. 1, Step(s) 24 and 42 | CR 769775: Executed VAL CMMS Functional Test Script  Objective 5  CHG0054991 - Executed CMMS VAL Functional Test Scripts | N/A | None |
| BR 6.8 | The system shall allow users to manually change the status of purchase orders within CMMS. | FR 6.10.7 | The system will allow authorized user groups to update the status of a purchase order manually. | DS10-07 | PLNSCH or higher access user groups have the ability to update the “Status” of a purchase order. | N/A | N/A | ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 30  ALM 15  Run ID 265  Step(s) 9-11  Run ID 266  Step(s) 9-11 | Step(s) 125 & 126  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.9 | The system shall allow all sites to order parts and in multiple currencies. | FR 6.10.8 | Authorized users from all sites have the ability to create a purchase requisition and set the currency that is not specific to the organization. | DS10-08 | PLNSCH or higher access user groups for all sites have the ability to set any currency type on a purchase requisition and be carried through to the purchase order. | ALM 15  Test ID: 153 -Run ID: 439  -Step(s): 1 - 25 | Verify ability to create of Purchase Requisitions with parts / services in different currencies. | ITPD-79045  ALM 15  Test ID 153  Run ID 196  Step(s) 4 - 25  ALM 15  Run ID 265  Step(s) 2-7  Run ID 266  Step(s) 2-7 | Step 113  CHG0067632: CMMS VAL executed Functional Test Script  CHG0107804: CMMS VAL Executed Functional Test Scripts | N/A | None |
| BR 6.10 | The system should allow for proper pricing to be transferred to the purchase order for all units of measures. | FR 6.10.9 | The part record on a purchase order shall maintain the same quantity, price, and unit of measure as the purchase requisition it was generated from. | DS10-09 | The quantity, price, and unit of measure of a part on a purchase requisition will be transferred to the purchase order coming from Oracle EBS. | N/A | N/A | ITPD-79045 | Step(s) 117-120 | N/A | None |
| BR 10.3 | The system shall maintain updated active supplier information for suppliers that accept orders from Oracle EBS. | FR 6.9.10 | The system will provide the ability to perform batch updates to the Supplier screen with active supplier data from Oracle EBS. | DS9-10 | The system will automatically update data on the Supplier screen from Oracle EBS on a weekly basis. | N/A | N/A | ITPD-79045  ALM 15  Test ID 207  Run ID 305  (all steps) | Step(s) 128, 129  CHG0110839: CMMS VAL executed Functional Test Scripts | N/A | None |
| BR 3.11 | The system shall provide a means to assess equipment for its criticality to business operations through the Reliability Ranking module. | FR 6.3.39 | The system will provide a means to assess the Reliability Ranking of the equipment to determine the critical nature of the equipment in terms of business operations. | DS3-39 | The system provides the Reliability Survey tab on the Equipment screen that calculates the Reliability Ranking Index and Score based on answering a set of questions. | N/A | N/A | ITPD-86195  ALM 15  Test ID 175  Run ID 192  Step(s) 11 - 13 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #10  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.40 | The system shall be able to identify reviewers for revisions to preventive maintenance entities. | FR 6.3.40 | The system will provide reviewer fields on PM Entity screens for users to select the primary approvers for revisions. | DS3-40 | The system provides the PLNSCH Reviewer, SME Reviewer, and QA Reviewer (If Needed) fields on the Material List, PM Schedule, and Job Plan screens to assign approvers based on the selected Approval List. | N/A | N/A | ITPD-86195  ALM 15  Test ID 158  Run ID 168  Step(s) 16  ALM 15  Test ID 158  Run ID 329  Step(s) 16 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #2  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.41 | The system shall be able to identify the reasoning for revisions to preventative maintenance entities. | FR 6.3.41 | The system will provide a free text field on PM Entity screens to enter the reason for revisions. | DS3-41 | The system provides the required Revision Reason field on the Material List, PM Schedule, Job Plan, and Route screens to perform revisions. | N/A | N/A | ITPD-86195 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #3 | N/A | None |
| BR 3.42 | The system shall be able to put restrictions on initiators being approvers for GMP PM entity revisions with the exclusion of administrative changes. | FR 6.3.42 | The system will provide a means to restrict initiators from approving GMP PM Entity revisions that are not administrative changes. | DS3-42 | The system provides a flex that will restrict the initiator from approving GMP PM Entity revision that are not administrative changes. | ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 10, 11  Test ID: 276  -Run ID: 438  -Step(s): 10, 11 | The CMMS asserts that the user performing work against a GxP Work Order cannot be the same user that reviews the Work order | ITPD-86195 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #4 | N/A | None |
| BR 3.43 | The system shall be able to put the enforcement of QA Review for GMP PM Entity revisions with the exclusion of administrative changes. | FR 6.3.43 | The system will provide a means to enforce QA Review on GMP PM Entity revisions that are not administrative changes. | DS3-43 | The system provides a flex that will require the selection of QA Approval Lists for GMP PM Entity revisions that are not administrative changes. | N/A | N/A | ITPD-86195 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #5 | N/A | None |
| BR 3.44 | The system shall be able to consolidate multiple processes for equipment onboarding. | FR 6.3.44 | The system will provide the Equipment Onboarding screen that incorporates equipment creation, CRA/SIA, Reliability Ranking, PM assessment, Alarm Classification, and optional upload. | DS3-44 | The system provides the Equipment Onboarding workflow process that will create/install equipment and generate work orders for equipment CRA/SIA, Reliability Ranking, Upload, Alarm Classification, and Calibration. | N/A | N/A | ITPD-86195  HP/ALM Test Script ID 18 Rev.1  Run ID: 28  ALM 15  Test ID 175  Run ID 192  Step(s) 1 - 13 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #9  CR 770044 Executed VAL CMMS Functional Test Script  Objective #10  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.45 | The system shall provide a process to install or retire equipment | FR 6.3.45 | The system will provide the Equipment Install/Retire Request screen to install or retire equipment. | DS3-45 | The system provides the Equipment Install/Retire Request work flow process to install or retire equipment and denotes Non-dependent Children, Parent Equipment, and Open Work Orders on the equipment. | N/A | N/A | ITPD-45332  ITPD-86195  ALM 15  Test ID 167  Run ID 182  Step(s) 3, 11, 16  ALM 15  Test ID 167  Run ID 326  Step(s) 3, 11, 16 | CR# 209383 VAL Evidence  Test Script #4  CR 710019 Executed VAL CMMS Functional Test Script  Objective #11,15,16  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.46 | The system shall be able to by-pass QA Review on non-GMP Equipment CRA/SIA Requests for equipment in the TD, RESEARCH, and CAM GEF departments. | FR 6.3.46 | The system will provide a means to by-pass QA review for certain equipment on Equipment CRA/SIA Request | DS3-46 | The system provides a flex to by-pass QA review of Equipment CRA/SIA Request, if the equipment is in the CAM TD, CAM RESEARCH, or CAM GEF Department and contains BCEPS on CRA Classification and/or has a SIA Classification of No Impact. | N/A | N/A | ITPD-86195  HP ALM Test Script ID: 59  Rev.: 1  Run ID: 54  HP ALM Test Script ID: 60  Rev.: 1  Run ID: 55  HP ALM Test Script ID: 59  Rev.: 1  Run ID: 56  ALM 15  Test ID 174  Run ID 191  Step(s) 10 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #13  CR CHG0032403 Executed VAL CMMS Functional Test Scripts  CR CHG0032403 Executed PROD CMMS Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.47 | The system shall be able to by-pass review on calibration work orders that does not contain critical in the classification. | FR 6.3.47 | The system will provide a means to by-pass review and go straight to close status on scheduled and unscheduled calibration work orders. | DS3-47 | The system provides a database trigger to go from released to closed status on scheduled and unscheduled calibration work orders if it has CRA Classification that is not either Critical, SPU-Critical, or Single Use-Critical. | N/A | N/A | ITPD-86195  HP/ALM Test Script ID 6 Rev.1  Run ID: 12  ALM 15  Test ID 174  Run ID 191  Step(s) 7 - 10 | CR 710019 Executed VAL CMMS Functional Test Script  Objective #14  CR 743503: Executed VAL CMMS Functional Test Script  Objective 1,2,3  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 4.46 | The system shall be able to by-pass planning when creating an unscheduled work order. | FR 6.4.61 | The system will provide a means to by-pass PLNSCH review (Planning) and go straight to Released status when creating unscheduled work orders. | DS4-61 | The system provides the ability to by-pass planning and in released status when creating an unscheduled work order if the Trade, Estimated Hours, People Required and Assigned To (must be requestor) fields are filled in.  NOTE: The metadata for “Planning Skipped?” field will also be set to YES. | N/A | N/A | HP/ALM Test Script ID 6 Rev.1  Run ID: 12  ALM 15  Test ID 167  Run ID 182  Step(s) 10  ALM 15  Test ID 167  Run ID 326  Step(s) 10 | CR 680340 Executed VAL CMMS Functional Test Script  Objective #2  CR 743503: Executed VAL CMMS Functional Test Script  Objective 4  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.48 | The system shall provide a means to automatically update equipment information on PM Schedules when the equipment is being updated. | FR 6.3.48 | The system will provide a flex that will update fields on the Equipment tab of the PM Schedules screen after updating fields on the Equipment screen. | DS3-48 | The System will provide a flex that will update the Location, Department, Dormant Start, Dormant End, Date Deactivated fields in the Equipment tab of the PM Schedule screen when records are being updated on the Equipment screen. | N/A | N/A | HP/ALM Test Script ID 6 Rev.1  Run ID: 12  -  ALM 15  Test ID 158  Run ID 168  Step(s) 2, 3, 7  ALM 15  Test ID 158  Run ID 329  Step(s) 2, 3, 7 | CR 227586 Executed VAL CMMS Functional Test Script #6  Objective #1  CR 743503: Executed VAL CMMS Functional Test Script  Objective 5  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 4.47 | The system shall be able to enforce a requirement to populate a value in the Supervisor field for DEN and SOL work orders. | FR 6.4.62 | The system will provide a flex that will make the Supervisor field a mandatory requirement for DEN and SOL work orders when the WO is saved to the Released, Review, and Closed Statuses. | DS4-62 | The system will provide a flex that will require a selection in the Supervisor field of the Work Order screen only to process DEN and SOL work orders and not during WO creation. | N/A | N/A | HP/ALM Test Script ID 6 Rev.1  Run ID: 12  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 59  HP ALM Test Script ID: 61  Rev.: 1  Run ID: 60  ALM 15  Test ID 159  Run ID 169  Step(s) 7 – 10  ALM 15  Test ID 159  Run ID 336  Step(s) 7 - 10 | CR 286298 Executed VAL CMMS Functional Test Script #13  Objective #1  CR 743503: Executed VAL CMMS Functional Test Script  Objective 6  CR CHG0034597  Executed CMMS VAL Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.49 | The system shall be able to hide the “Assigned To” field on PM Schedules and Equipment screens. | FR 6.3.49 | The system will be able to hide the “Assigned To” field in the PM Schedule and Equipment screen. | DS3-49 | The system will have the ability to hide the “Assigned To” field in the Equipment tab of the PM Schedule screen and PM Schedules tab of the Equipment screen using Screen Designer. | N/A | N/A | HP/ALM Test Script ID 6 Rev.1  Run ID: 12  ALM 15  Test ID 158  Run ID 168  Step(s) 2, 4  ALM 15  Test ID 158  Run ID 329  Step(s) 2, 4 | CR 743503: Executed VAL CMMS Functional Test Script  Objective 8  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| BR 3.50 | The system shall be able to detect if a PM Entity is GMP or Non-GMP, based on the status of the related equipment. | FR 6.3.50 | The system shall be able to detect if a PM Entity is GMP or Non-GMP from the status of the related equipment which determines the selection of approvals lists for PM Entity revisions. | DS3-50 | The system will provide an additional check through flex to determine if a PM Entity is GMP or Non-GMP by the related equipment status to enforce or allow the correct selection of approval list in a PM Entity Revision. | N/A | N/A | HP/ALM Test Script ID 10 Rev.1  Run ID: 13  ALM 15  Test ID 174  Run ID 191  Step(s) 4, 5 | CR 743503: Executed VAL CMMS Functional Test Script  Objective 1  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 7.17 | The system shall provide a means to lookup open revisions on PM Entities. | FR 6.11.17 | The system will provide a grid showing all active open revisions on PM Schedules, Job Plans. Material Lists, and Routes. | DS11-17 | The system provides the “Active Revisions” grid showing all active open PM Schedule, Job Plan, Material List, and Route revisions and revision approval details. | N/A | N/A | HP/ALM Test Script ID 10 Rev.1  Run ID: 13 | CR 743503: Executed VAL CMMS Functional Test Script  Objective 2 | N/A | None |
| BR 7.18 | A summary change report shall be generated with Current equipment settings and BOE settings. | FR 6.11.19 | An Equipment Change Summary report shall be generated with Current equipment settings and BOE settings. | DS11-19 | Advanced Reporting supports generation of Engineering Changeover reports. Reference ITPD-129666, "ECDB Technical Design Document with Business Workflows", Section 11.1 "(ECR) IEL Request Work order Report" for the report specification. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendices G & H for report details. | ALM Testing Test ID: 242 Steps: 16-17  Run ID: 369 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 7.19 | An BOE Summary Report that will show BOE header information, BOE equipment and BOE Settings. | FR 6.11.20 | A BOE Summary Report will show BOE header information, BOE equipment and BOE Settings. | DS11-19 | Advanced Reporting supports generation of Engineering Changeover reports. Reference ITPD-129666, "ECDB Technical Design Document with Business Workflows", Section 11.3 "BOE Report" for the report specification. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendices G & H for report details. | ALM Testing Test ID: 242 Steps: 1-10, 13  Run ID: 369 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 7.20 | An Revision Change Detail Report for BOEs will show changes between revisions from the record view, BOE equipment, and BOE equipment Settings | FR 6.11.21 | An Revision Change Detail Report for BOEs will show changes between revisions from the record view, BOE equipment, and BOE equipment Settings | DS11-19 | Advanced Reporting supports generation of Engineering Changeover reports. Reference ITPD-129666, "ECDB Technical Design Document with Business Workflows", Section 11.12"BOE Revision Report" for the report specification. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendices G & H for report details. | ALM Testing Test ID: 242 Steps: 1-12  Run ID: 369 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 7.21 | An Equipment Change Summary Report that shows IEL record view information, incoming equipment list with calibration overdue status and dormancy information,settings comparison to the BOE, excecutable wokrorder info , inital process settings , and esigniture section. | FR 6.11.22 | An Equipment Change Summary Report will show IEL record view information, incoming equipment list with calibration overdue status and dormancy information,settings comparison to the BOE, excecutable wokrorder info , inital process settings , and esigniture section. | DS11-19 | Advanced Reporting supports generation of Engineering Changeover reports. Reference ITPD-129666, "ECDB Technical Design Document with Business Workflows", Section 11.1 "(ECR) IEL Request Work order Report" for the report specification. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendices G & H for report details. | ALM Testing Test ID: 242 Steps: 16-17  Run ID: 369 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 4.48 | DELETED ~~The system at version 11.2 patch 201802 shall provide an average performance increase of at least 10% from 17-40 seconds when loading 100-200 checklist items on work orders.~~ | N/A | N/A | N/A | N/A  [This is a patch that came from the application vendor – there will be no configuration listed in the application design spec]. | N/A | N/A | Test Script: ITPD-93699  Executed Script:  ITPD-93700  Test Script: ITPD-93555  Executed Script:  ITPD-93557 | CR 790235 OQ Test Script before patch  Objective 5  CR 790235 OQ Test Script after patch  Objective 6 | N/A | None |
| BR 4.49 | The system shall allow authorized users to use checklists to track work performed on work orders. | FR 6.4.64 | The system will be able to display the correct completion status of the checklist on a work order, when any type of checklist is used. | DS4-64 | This is managed through FLEX SQL that checks the ‘Checklist/Activity Completed’ checkbox on the Activities tab of the work order, and fills in the correct metadata values in the ‘Work Status’ field under the ‘Work Summary’ section of the work order Record View.t | ALM 15  Test ID: 298  -Run ID: 485  -Step(s): 1 – 4 | Verify that the “Checklist / Activity Completed” indicator accurately displays checklist progress. | HP/ALM Test Script ID 22 Rev.1  Run ID: 25  ALM 15  Test ID 173  Run ID 190  Step(s) 1 – 4  ALM 15  Test ID 221  Run ID 334  Step(s) 6 | CR 828068: Executed VAL CMMS Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script | N/A | None |
| FR 6.4.67 | The system will prompt the user with a confirmation message if a Work Order has Activities that are not marked complete and have no Checklist, yet the Work Order is moved to status Awaiting Review. | DS4-69 | This is managed through a Grid and Extensible Framework to display the confirmation message, as well as a Flex SQL Trigger to mark the Activities on the Work Order as completed or not based upon user selection in the confirmation messaage. | N/A | N/A | ALM 15  Test ID 197  Run ID 239  Step(s) 12 - 19 | CHG0106268: CMMS VAL Functional Test Script | N/A | N/A |
| BR 4.50 | The system shall provide authorized users a method to generate and review audit trail reports of work orders. | FR 6.4.65 | The system will be able to pass records of changes made to information on the screen of a work order of any type to an attached ‘Audit Trail Review’ tab. The system will then compile and display the records in an audit trail report in the ‘Audit Trail Review’ tab. | DS4-65 | This is managed through creation of a custom tab 'Audit Trail Review' on screens for any type of work order ('Work Orders', 'Extensions', 'Equipment CRA/SIA Request', and 'Alarm Classification'), as well as installation of four Extensibility Framework adds ('WSJACL', 'WSJCRA', 'WSJOBE', and 'WSJOBW') and running three SQL scripts ('function\_BG\_TRIMHTML\_DTA', 'Indexes', and 'URL\_Parameters') against the CMMS database.  For details on these reports reference ITPD-37198 Appendix C #4 Y, Z, AA, and BB | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 3-6 | CHG0148750 - Bug Enhancements OQ | HP/ALM Test  Test ID 53  Rev.1  Run ID 46  Test ID 54  Rev.1  Run ID 48  Test ID 55  Rev.1  Run ID 49  Test ID 56  Rev.1  Run ID 50  Test ID 52  Rev.1  Run ID 51  ALM 15  Test ID 221  Run ID 334  Step(s) 7 – 8  ALM  Domain: POIT  Project: CMMS  Test ID: 275  Run ID: 407  Steps TBD | CR 879434: Executed VAL CMMS Functional Test Script  CR 879434: Executed PROD CMMS Functional Test Script  CHG0125962: Planned CMMS VAL Functional Test Script  CHG0148750 – Bug Enhancements UAT | N/A | None |
| BR 3.51 | The system shall provide a mechanism to assess the classification of alarm records and create alarm records. | FR 6.3.54 | The system provides an “Alarm Classification” screen which can be used to create alarm records and perform an alarm classification assessment. | DS3-54 | The “Alarm Classification” screen provides a classification process for alarm instruments. The process automatically calculates the classification of an instrument based on answers to predefined questions. The request will then follow an approval process which involves SME and QA approvals, depending on the GMP status of the alarm. | N/A | N/A | HP/ALM Test Script ID 18 Rev.1  Run ID: 28 | CR 770044 Executed VAL CMMS Functional Test Script  Objective #1 | N/A | None |
| BR 3.52 | The system shall provide a means to show alarm records with alarm classification values. | FR 6.3.55 | The system provides an “Alarms” screen which displays alarm records with alarm classification values. | DS3-55 | The “Alarms” screen will contain all of the information about the alarm instrument such as the Alarm Classification, Assessment Request, Alarm Tag, Class, Department, Status, Parent, and Location of the alarm instrument. | N/A | N/A | HP/ALM Test Script ID 18 Rev.1  Run ID: 28  ALM 15  Test ID 175  Run ID 192  Step(s) 7 - 10 | CR 770044 Executed VAL CMMS Functional Test Script  Objective #8  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.53 | The system shall provide a means to upload Alarm Classification requests. | FR 6.3.56 | The system provides a means to upload Alarm Classification data for the respective request/multiple requests at a time. | DS3-56 | There will be an Alarm template in myCIMS, where users can download the template for use. The template will be used in conjunction with the Upload Utility to upload Alarm Classification request data into the system. | N/A | N/A | HP/ALM Test Script ID 18 Rev.1  Run ID: 28 | CR 770044 Executed VAL CMMS Functional Test Script  Objective #9 | N/A | None |
| BR 10.4 | The system shall maintain an outbound Equipment publication service. | FR 6.9.2 | The system will publish records indicating changes to Equipment master attributes for select Equipment to a database staging table, for external systems to read. | DS9-02 | Any insert/update/delete operation on the database tables for select Equipment records will generate a new record in a database staging table. Database views will also exist to contain updated field values, for external systems to read. | ALM 15  Test ID: 155  -Run ID: 440  -Step(s): all | Regression testing for integration with MES/Syncad, including posting of Equipment Overdue status changes to database staging table. | HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 73  Rev.1  Run ID: 75  HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 74  Rev.2  Run ID: 76  HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 73  Rev.1  Run ID: 77  ALM 15  Test ID: 155  Run ID 172  All Steps | CR CHG037211 Executed VAL CMMS Installation Test ScriptCR CHG037211 Executed VAL CMMS Functional Test Script  CR CHG037211 CMMS VAL Executed Functional Test Script  CR CHG037211 CMMS VAL Executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS9-13 | Database triggers will be responsible for signaling changes in Equipment master attributes, including custom field values. |
| BR 10.4 | The system shall maintain an outbound Equipment publication service. | FR 6.9.3 | The system will query for PM or PMCAL Work Orders that are Overdue each day at midnight Organization time. The system will then publish an Overdue status for select Equipment that are impacted to a database staging table, for external systems to read. Overdue status is defined as an open Work Order not equal to 3RVW, 3QA, 3UPD, and Due Date less than the date at the location of the Equipment on the Work Order. | DS9-03 | A database job will be configured to execute a procedure at midnight Organization time for each supported time zone, in order to determine which PM or PMCAL Work Orders become Overdue, and to publish Overdue status to a database staging table for select Equipment that are impacted in that Organization. |
| BR 10.4 | The system shall maintain an outbound Equipment publication service. | FR 6.9.13 | The system will determine if no other Overdue maintenance exists against an Equipment or its Child Equipment, once a PM or PMCAL Work Order completes for an Equipment deemed Overdue. If it finds none, the system will publish a Not Overdue status for select Equipment, as well as for any select Parent Equipment that have no other Child Equipment in an Overdue status, to a database staging table, for external systems to read. Completed status is defined as when the Work Order reaches a status of 3RVW, 3QA, 3UPD or a system status of C. Overdue status is defined as having an open PM or PMCAL Work Order against the Equipment not equal to 3RVW, 3QA, 3UPD, and Due Date less than the date at the location of the Equipment. | DS9-02 | Any insert/update/delete operation on the database tables for select Equipment records will generate a new record in a database staging table. Database views will also exist to contain updated field values, for external systems to read. |
| DS9-13 | Database triggers will be responsible for signaling changes in Equipment master attributes, including custom field values. |
| DS3-59: | A flex trigger will perform Overdue and Not Overdue calculations in response to a PM or PMCAL Work Order reaching the necessary status. |
| BR 10.4 | The system shall maintain an outbound Equipment publication service. | FR 6.9.14 | The system will determine if an Equipment structure change causes any Equipment to become Overdue or Not Overdue. Overdue status rolls up to all Parent Equipment. Not Overdue status rolls up to all Parent Equipment with no other Overdue Child Equipment. The system will publish an Overdue or Not Overdue status for select Equipment to a database staging table, for external systems to read. Overdue status is defined as having an open PM or PMCAL Work Order against the Equipment not equal to 3RVW, 3QA, 3UPD, and Due Date less than the date at the location of the Equipment. | DS9-02 | Any insert/update/delete operation on the database tables for select Equipment records will generate a new record in a database staging table. Database views will also exist to contain updated field values, for external systems to read. |
| DS9-13 | Database triggers will be responsible for signaling changes in Equipment master attributes, including custom field values. |
| DS3-58 | A flex trigger will perform Overdue and Not Overdue calculations in response to an Equipment move. |
| BR 10.4 | The system shall maintain an outbound Equipment publication service. | FR 6.9.15 | A “Broadcast Changes” checkbox, editable by Administrator User Groups, will be available on the Equipment screen to select Equipment for which status and Equipment master attribute changes will be recorded onto a database staging table, for external systems to read. | DS9-13 | Database triggers will be responsible for signaling changes in Equipment master attributes, including custom field values. | ALM 15  Test ID: 155 -Run ID: 440  -Step(s): all | Regression testing for integration with MES/Syncad, including posting of Equipment Overdue status changes to database staging table. | N/A | None |
| BR 10.5 | The system shall provide the ability to interface with the Advanced Scheduler application. | FR 6.9.16 | Database Views will be installed to stage data for the Advanced Scheduler application to pull. The Views will display general Work Order data for select Work Orders, Trades associated with Activities on each Work Order, sum of Estimated Hours of each Trade per Work Order, and sum total of all Estimated Hours per Work Order. | DS9-14 | View AS\_WORK\_VW will pull Work Order information from database table R5EVENTS, including Work Order code and associated Status, Start Date, Due Date, Date Completed, and Work Order Class. Work Order data will be pulled by the View if the associated Work Order Class is ‘AS-SCHED’. | ALM 15  Test ID: 156  -Run ID: 436  -Step(s): 2 | Verify Work Order Class specification of ‘AS-SCHED’ for PM Schedule lines on Equipment records, to mark for the Advanced Scheduler integration. | ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 147  Step 2  ALM Test  Domain: POIT  Project: CMMS  Test ID 142  Run ID 148  Step 8  ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 150  Step 2  ALM 15  Test ID 156  Run ID 201  Step 2 | CR CHG0064644  VAL CMMS Installation Test Script  CR CHG0064644  VAL CMMS Operational Qualification Test Script  CR CHG0064644  PROD CMMS Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS9-15 | Each row of AS\_ACTDIS\_VW corresponds to one distinct Trade per Work Order (regardless of the Activities the Trades are found on in the Work Order). Column EST in the View will display a sum of the Estimated Hours for all Activities with the given Trade, on the given Work Order. | ALM 15  Test ID: 156  -Run ID: 436  -Step(s): all | Regress the process of posting all Trade and associated Work Order combinations to AS\_ACTDIS\_VW for Work Orders generated off of PM Schedules marked for the Advanced Scheduler integration. | ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 147  Step 3  ALM Test  Domain: POIT  Project: CMMS  Test ID 142  Run ID 148  Step 9  ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 150  ALM 15  Test ID 156  Run ID 201  All steps | CR CHG0064644  VAL CMMS Installation Test Script  CR CHG0064644  VAL CMMS Operational Qualification Test Script  CR CHG0064644  PROD CMMS Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS9-16 | Each row in View AS\_ACTEX\_VW corresponds to one Work Order. Column T\_ACT\_TRADE displays lists of distinct Trades for the given Work Order (delimited with semicolons and spaces). Column SUMACT\_EST displays a sum of the Estimated Hours for all Activities on the given Work Order (irrespective of associated Trades). | ALM 15  Test ID: 156  -Run ID: 436  -Step(s): all | Regress the process of posting all Trade and associated Work Order combinations to AS\_ACTDIS\_VW for Work Orders generated off of PM Schedules marked for the Advanced Scheduler integration. | ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 147  Step 4  ALM Test  Domain: POIT  Project: CMMS  Test ID 142  Run ID 148  Step 10  ALM Test  Domain: POIT  Project: CMMS  Test ID 141  Run ID 150  Step 4  ALM 15  Test ID 156  Run ID 201  All steps | CR CHG0064644  VAL CMMS Installation Test Script  CR CHG0064644  VAL CMMS Operational Qualification Test Script  CR CHG0064644  PROD CMMS Installation Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| BR 3.54 | Protected “PM Due” and “PMCAL Due” indicators will be made available on the Equipment screen to indicate whether an Equipment is Overdue for Preventative Maintenance or Calibration, respectively. | FR 6.3.63 | Protected “PM Due” and “PMCAL Due” checkboxes will be added to the Equipment screen as indicators of Preventative Maintenance or Calibration Overdue status of corresponding Equipment. Overdue status is defined as having an open PM or PMCAL Work Order against the Equipment not equal to 3RVW, 3QA, 3UPD, and Due Date less than the date at the location of the Equipment. | DS3-58 | A flex trigger will perform Overdue and Not Overdue calculations in response to an Equipment move. | N/A | N/A | HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 73  Rev.1  Run ID: 75  HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 74  Rev.2  Run ID: 76  HP/ALM Test  Domain: POIT  Project: CMMS  Script ID 73  Rev.1  Run ID: 77  ALM 15  Test ID 174  Run ID 191  Step(s) 1 - 12 | CR CHG037211 Executed VAL CMMS Installation Test Script  CR CHG037211 Executed VAL CMMS Functional Test Script  CR CHG037211 Executed PROD CMMS Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS3-59 | A flex trigger will perform Overdue and Not Overdue calculations in response to a PM or PMCAL Work Order reaching the necessary status. |
| BR 3.55 | The system shall allow change in to be completed for different areas or zones of manufacturing at different times. | FR 6.3.64 | BOE will allow Equipment to be categorized by Zone and Area. | DS3-60 | Equipment List tab on the BOE screen will support columns to specify Zone and Area associated with Equipment.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B&C for details. | ALM Testing Test ID: 233 Steps: 5-7  Run ID: 367  ALM 15 Test ID: 233 -Run ID: 448  -Step(s): 5-7 | CHG0137843: CMMS VAL executed Functional Test Script  Verify ability to specify Equipment in different Zones and Areas on BOE, and audit trail thereof | N/A | N/A | N/A | N/A |
| BR 3.56 | The system shall be able to store process settings of the equipment. | FR 6.1.18 | A settings tab on Equipment records will detail existing attribute settings relevant to the Equipment record. | DS1-17 | User Defined Screen will provide a tab supporting attribute settings on Equipment records  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B&C for details. | ALM Testing Test ID: 233 -Step(s): 22-23, 28  Run ID: 367 Test ID: 240 -Step(s): 7-9  Run ID: 365 Test ID: 241 -Step(s): 7  Run ID: 368  ALM 15 Test ID: 233  -Run ID: 448  -Step(s): 22-23, 28 | CHG0137843: CMMS VAL executed Functional Test Script  Verify manual creation / update of Process Setting lines onto the Equipment records, as well as accurate Settings Comparison provided on the BOE. | N/A | N/A | N/A | N/A |
| BR 3.57 | The system shall be able to route and track revisions to the BOE and attributes. | FR 6.1.19 | BOE will be revision controlled and support a review status prior to approval. | DS1-16 | BOE records will be configured as a revision controlled record via the Revision Controlled eRecords Setup screen.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix J for details. | ALM Testing Test ID: 233 Steps: 40, 52-53  Run ID: 367  ALM 15 Test ID: 233  -Run ID: 448  -Step(s): 40, 52-53  Test ID: 246 -Run ID: 449  -Step(s): 11 - 12 | CHG0137843: CMMS VAL executed Functional Test Script  Verify revision control and revision status sequencing on BOE.  Regress creation of a new BOE revision. | ALM Testing Test ID: 246 Steps: 11-12  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 3.58 | The system shall be able to record the reasoning for revisions to BOEs or equipment attributes. | FR 6.3.65 | Revision Reason field will capture justification for revision. | DS3-61 | Revision Reason field will capture justification for revision. The field is confugured per ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix F for details. | ALM Testing Test ID: 233 Steps: 39  Run ID: 367  ALM 15 Test ID: 233  -Run ID: 448 -Step(s): 39 | CHG0137843: CMMS VAL executed Functional Test Script  Verify field permissions and requirements on BOE status change to approved. | N/A | N/A | N/A | N/A |
| BR 3.59 | The system shall support the ability to perform bulk data uploads of Attributes, BOE Equipment and BOE Settings. | FR 6.3.66 | The CMMS Import Utility application will support bulk data upload for BOE, attributes, and attribute settings. | DS3-62 | The CMMS Import Utility application will support bulk data upload for the following sheets: BOE object (NEW) BOE attributes (NEW) Equipment settings (NEW / UPDATE) | ALM Testing Test ID: 234 -Step(s): all steps  Run ID: 376 Test ID: 235 -Step(s): all steps  Run ID: 377 Test ID: 236 -Step(s): all steps  Run ID: 378 Test ID: 239 -Step(s): all steps  Run ID: 379 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 3.60 | The system shall display whether each piece of equipment selected for a campaign is dormant or is currently due for PM. | FR 6.1.13 | The system enables authorized users to generate Bill of Equipment records detailing lists of Equipment validated for use in manufacturing a specific product and the status of the Equipment; as well as to associate the Equipment on the BOE with the attribute settings required by the BOE. | DS1-13 | User Defined Screens display BOE Equipment and required attribute settings. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B for details. | ALM Testing Test ID: 233 Steps: 4-38  Run ID: 367  ALM 15 Test ID: 233  -Run ID: 448 -Step(s): 4-38 | CHG0137843: CMMS VAL executed Functional Test Script  Verify process of drafting and revision of BOE, including association of Process Settings and Equipment lines. | N/A | N/A | N/A | N/A |
| BR 3.61 | All current process settings for a piece of equipment shall be able to be viewed. | FR 6.1.14 | A settings tab on Equipment records will detail existing attribute settings relevant to the Equipment record. | DS1-14 | User Defined Screen supports attribute settings on Equipment records Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B for details. | ALM Testing Test ID: 233 -Step(s): 22-23, 28  Run ID: 367 Test ID: 240 -Step(s): 7-9  Run ID: 365 Test ID: 241 -Step(s): 7  Run ID: 368  ALM 15 Test ID: 233  -Run ID: 448  -Step(s): 22-23, 28 | CHG0137843: CMMS VAL executed Functional Test Script  Verify manual creation / update of Process Setting lines onto the Equipment records, as well as accurate Settings Comparison provided on the BOE. | N/A | N/A | N/A | N/A |
| BR 3.62 | A record of initial process settings shall be able to be viewed in the change request. | FR 6.3.67 | IEL will include a tab detailing a comparison between initial (Equipment) settings and BOE settings. | DS9-17 | User Defined Screen supports generation of IEL via selection of Equipment from a BOE. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B for details. | ALM Testing Test ID: 240 Steps: 25  Run ID: 365 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 3.63 | A record of date and time of implementation of new process settings shall be able to be viewed in the **Equipment Change Summary report.** | FR 6.3.68 | The IEL will provide a timestamp for new process settings that have been implemented. | DS9-18 | IEL User Defined Screen will support a field for timestamp of process setting updates. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix B for details. Details on the report are included in Appendices G and H. | ALM Testing Test ID: 241 Steps: 7  Run ID: 368 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 3.64 | The system shall allow a user to change process settings on a piece of equipment outside of campaign changeover. | FR 6.3.69 | A settings tab on Equipment records will detail existing attribute settings relevant to the Equipment record. | DS1-14 | User Defined Screen supports attribute settings on BOE.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix C | ALM Testing Test ID: 233 -Step(s): 22-23, 28  Run ID: 367 Test ID: 240 -Step(s): 7-9  Run ID: 365 Test ID: 241 -Step(s): 7  Run ID: 368  ALM 15 Test ID: 233  -Run ID: 448 -Step(s): 22-23, 28 | CHG0137843: CMMS VAL executed Functional Test Script  Verify manual creation / update of Process Setting lines onto the Equipment records, as well as accurate Settings Comparison provided on the BOE. | N/A | N/A | N/A | N/A |
| BR 4.51 | The system shall compare the current process settings of each piece of equipment selected in the IEL with the incoming process settings for the new campaign. | FR 6.4.68 | A settings comparison tab is available on the Equipment Change Request screen. | DS4-70 | The IEL screen logic is implemented via Extensible Framework. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix E. | ALM Testing Test ID: 240 Steps: 26  Run ID: 365 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 4.52 | The system shall generate work orders to change any current process settings which differ from the incoming campaign’s process settings. | FR 6.4.69 | The system will generate a Work Order for each Zone under the Equipment Change Request. The system will also generate Routine Maintenace Work Orders against each Equipment on the IEL, as children to the respective Zone Work Orders. The Routine Maintenance Work Orders will include checklists to change any current process settings which differ from the incoming campaign’s process settings; and will be organized into Activities on the Work Order. corresponding to the Trade of the respective settings being changed. | DS4-71 | Flex triggers are implemented generate Work Orders on approval of Equipment Change Requests.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 241 Steps: 1-6  Run ID: 368 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 4.53 | The system shall generate work orders to change any current process settings to N/A in cases where those attributes are not specified for the incoming campaign. | FR 6.4.70 | If the Equipment Change Request does not specify the value for a process setting that exists on an Equipment included in the IEL, then the ECR will include work orders to change the value of those unspecified settings to N/A on the Equipment record. | DS4-71 | Flex triggers are implemented generate Work Orders on approval of Equipment Change Requests.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 233 -Step(s): 16, 23  Run ID: 367 Test ID: 241 -Step(s): 1-6  Run ID: 368  ALM 15 Test ID: 233  -Run ID: 448  -Step(s): 16, 23  Test ID: 246 -Run ID: 449  -Step(s): 20 | CHG0137843: CMMS VAL executed Functional Test Script  Verify that accurate settings comparison details are listed / updated (existing vs required settings for associated Equipment) on BOE.  Verify one child Work Order automatically generated for each Equipment and Trade combination on the ECR. | ALM Testing Test ID: 246 Steps: 20  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 4.54 | The system shall not generate work orders in cases where the current equipment process setting matches that of the incoming campaign. | FR 6.4.71 | Equipment Change Requests will not generate Work Orders to change process settings when the value of the setting on the Equipment included in the IEL matches that setting value on the BOE. | DS4-71 | Flex triggers are implemented generate Work Orders on approval of Equipment Change Requests.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 240 Steps: 26-28  Run ID: 365 | CHG0137843: CMMS VAL executed Functional Test Script | N/A | N/A | N/A | N/A |
| BR 4.55 | A single work order shall be generated for each piece of equipment for each trade and zone, with a checklist of attributes to be updated. The checklist notes shall be pre-populated with the new value and old value. | FR 6.4.72 | Upon approval of the Equipment Change Request, a single work order shall be generated for each piece of equipment for each trade and zone, with a checklist of attributes to be updated per the associated BOE. The checklist notes shall be pre-populated with the new value and old values.  If a checklist item for update of a Process Setting is left unchecked when a Work Order is completed, the old value will remain in the Process Settings of the Equipment. | DS4-71 | Flex triggers are implemented generate Work Orders on approval of Equipment Change Requests.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 240 Steps: 21-28  Run ID: 365  ALM 15  Test ID: 246 -Run ID: 449  -Step(s): 20 | CHG0137843: CMMS VAL executed Functional Test Script  Verify one child Work Order programatically generated for each Equipment and Trade combination on the ECR. | ALM Testing Test ID: 246 Steps: 20  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 4.56 | System shall provide the ability to complete WO based on checked process setting status. | FR 6.4.73 | The system automatically updates Equipment attributes when respective checklist items are marked as successfully completed. Otherwise the system does not update the Equipment.  Once a checklist item for update of a Process Setting is checked and the Work Order is closed, the system will apply the new value to the Process Settings of the Equipment. | DS4-72 | Flex triggers are used to update Equipment attributes upon update of respective checklist items on Work Orders for Equipment change out.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 241 Steps: all steps  Run ID: 368  ALM 15  Test ID: 246 -Run ID: 449  -Step(s): 18 - 20 | CHG0137843: CMMS VAL executed Functional Test Script  Regress generation of Zone Change-In Work Orders and associated Child Work Orders from an ECR. | ALM Testing Test ID: 246 Steps: 18-20  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 4.57 | System shall provide the ability to complete WO based on unchecked process setting status. | FR 6.4.73 | The system automatically updates Equipment attributes when respective checklist items are marked as successfully completed. Otherwise the system does not update the Equipment.  Once a checklist item for update of a Process Setting is checked and the Work Order is closed, the system will apply the new value to the Process Settings of the Equipment. | DS4-72 | Flex triggers are used to update Equipment attributes upon update of respective checklist items on Work Orders for Equipment change out.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 241 Steps: all steps  Run ID: 368  ALM 15  Test ID: 246 -Run ID: 449  -Step(s): 18 - 20 | CHG0137843: CMMS VAL executed Functional Test Script  Regress generation of Zone Change-In Work Orders and associated Child Work Orders from an ECR. | ALM Testing Test ID: 246 Steps: 18-20  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| BR 4.58 | The system will assign Work Orders to the trade that is assigned to the associated parameters (BOE Settings). | FR 6.4.74 | BOE will support association of attribute settings with specific trades against which the Work Orders to update the attributes will be generated. | DS4-71 | Flex triggers are implemented generate Work Orders on approval of Equipment Change Requests.  Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix D for FLEX details. | ALM Testing Test ID: 240 Steps: 21-28  Run ID: 365  ALM 15  Test ID: 246 -Run ID: 449  -Step(s): 20 | CHG0137843: CMMS VAL executed Functional Test Script  Verify one child Work Order automatically generated for each Equipment and Trade combination on the ECR. | ALM Testing Test ID: 246 Steps: 20  Run ID: 380 | CHG0137843: CMMS VAL executed UAT Script | N/A | N/A |
| ~~BR 4.51~~ | DELETED ~~The system shall reject outbound purchase requisitions from organization Denmark.~~ | ~~FR 6.4.66~~ | DELETED ~~The system will prevent users from submitting purchase requisitions for organization Denmark to Oracle from CMMS.~~ | DS4-66 | The system will provide a Flex SQL trigger to restrict attempts to submit requisitions to Oracle from CMMS from the Requisitions screen if Organization is set to DEN. | N/A | N/A | HP/ALM Tests  Domain: POIT  Project: CMMS  Script ID 81, 84  Rev. 1, 1  Run ID: 81, 82  HP/ALM Tests  Domain: POIT  Project: CMMS  Script ID 75, 79  Rev. 2, 1  Run ID: 83, 84 | CR CHG0039716 Executed VAL CMMS Installation Test Scripts  CR CHG0039716 Executed VAL CMMS Functional Test Scripts | N/A | None |

Regulatory Requirements

| **URS** | | **FS** | | **DS** | | **System Test** | | **UAT** | | **Procedural Controls ID / Version** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** | **ID #** | **Description** |
| UR-REG-01 | The system must have appropriate controls to (a) protect the system and records from inadvertent as well as deliberate destruction or alteration and (b) prevent, detect, and mitigate harmful effects of viruses, worms, and other harmful codes and ensure their accurate and ready retrieval throughout the records retention period. (§11.10c, Annex 11 7.1, MHRA Data Retention section; EU Vol 4 Chpt 4 4.1 and 4.10; EU Annex 11 7.1; PMDA MHLW Ord 169 Article 9 1; EMA Q10, PDA Data Integrity Code of Conduct 3.3.1.2) | FS-REG-01 | ITCD-22525, *Information Security Policy* provides a control mechanism to protect Company A systems from inadvertent and deliberate destruction and harmful effects of harmful codes and programs.  PRCD-94210, *Global Records Retention and Disposition Policy* outlines a methodology to protect and retain system data and ensure accurate retrieval of data throughout the retention period. | DS-REG-01 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 97  Rev.: 4  Run ID: 109  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts | ALM 15  Test ID 179  Run ID 205  ALM 15  Test ID: 179  -Run ID: 452, 453  -Step(s): all | CHG0067632: CMMS VAL executed Functional Test Script  Verify that the system asserts status sequencing and permissions around QA review and closure of Work Orders, as well as approval of revision controlled entity PM Schedules, | ITCD-22525/v8.0: all sections  PRCD-94210/v2.0: all sections | None |
| UR-REG-02 | The system must be able to display or print accurate and complete copies of records suitable for inspection. Raw data must permit the full reconstruction of the activities resulting in the generation of the data. (§11.10b, Annex 11 8.1, MHRA Raw Data section; PDA Data Integrity Code of Conduct 3.3.1.5) | FS-REG-02 | The system shall display or print all documents suitable for use during an inspection.  The system provides a viewable audit trail which covers user interaction, system records at the workflow level.  The audit trail can be generated from the Audit Trail Review tab. | DS-REG-02 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114  ALM 15  Run ID: 127  Steps 4 – 6  ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 1 - 3, 7 – 13  Test ID: 276  -Run ID: 438  -Step(s): 1 - 3, 7 – 13 | Executed CMMS VAL Functional Test Scripts  CTASK0033867: Executed CMMS VAL Functional Test Scripts  A Work Order report displaying current Work Order data can be printed from the associated Work Order record | N/A | N/A | N/A | None |
| UR-REG-03 | The system must produce reports of electronically stored data, including audit trails. (Annex 11 8.1, MHRA Raw Data section; PDA Data Integrity Code of Conduct 3.3.1.5) | FS-REG-03 | System shall generate and store data in the form of reports including audit trails. Reports can be generated from the report section. | DS-REG-03 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114 | Executed CMMS VAL Functional Test Scripts | N/A | N/A | N/A | None |
| DS4-65 | This is managed through creation of a custom tab 'Audit Trail Review' on screens for any type of work order ('Work Orders', 'Extensions', 'Equipment CRA/SIA Request', and 'Alarm Classification'), as well as installation of four Extensibility Framework adds ('WSJACL', 'WSJCRA', 'WSJOBE', and 'WSJOBW') and running three SQL scripts ('function\_BG\_TRIMHTML\_DTA', 'Indexes', and 'URL\_Parameters') against the CMMS database.    For details on these reports reference ITPD-37198 Appendix C #4 Y, Z, AA, and BB |  |  |  |  |  |  |
| UR-REG-04 | Where required, the system must use operational checks to enforce permitted sequencing of Step(s) and events. (§11.10f) | FS-REG-04 | The system provides the workflow functionality which will have a sequence of review, approve, release and complete statuses. Workflow will promote to the next status only after the approval in a sequential manner. | DS-REG-04 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 97  Rev.: 4  Run ID: 109  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 5-8 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  Workflow sequencing – positive and negative testing for eSignature authentication upon change to review status for Work Orders | ALM 15  Test ID 179  Run ID 205  ALM 15  Test ID: 179  -Run ID: 452, 453  -Step(s): all | CHG0067632: CMMS VAL executed Functional Test Script  Verify that the system asserts status sequencing and permissions around QA review and closure of Work Orders, as well as approval of revision controlled entity PM Schedules, | N/A | None |
| DS-REG-38 | For the ECDB, dedicated Revision Control Status Authorizations screens are made available to configure sequencing of BOE statuses. ECR status sequencing is enforced via Flex SQL Triggers.  Refer to ITPD-129666 – CMMS ECDB Detailed Design Specification – Engineering Configuration Database  Appendices J for E-sig configuration details and D for Flex Details. | ALM Testing  Test ID: 233  -Step(s): 10-60  Run ID: 367  Test ID: 240  -Step(s): 10-12, 15-23, 27-47, 57  Run ID: 365  ALM 15  Test ID: 233  -Run ID: 448  -Step(s): 10-60 | CHG0137843: CMMS VAL executed Functional Test Script  Management and approval of both BOE and associated IEL revisions, including all associated status sequencing. | N/A | N/A | N/A | None |
| DS-REG-39 | A checkbox control supported by Flex SQL Trigger logic will provide the ability to enforce QA post-review on Work Orders of type PM (preventive maintenance), PMCAL (PM calibration), and REM (reminder). | ALM 15  Test ID: 298  -Run ID: 489  -Step(s): 29 – 44  -Negative Testing Step(s): 31 – 32 | Verify that QA post-approval can be asserted on applicable preventive maintenance work. | N/A | N/A | N/A | N/A |
| UR-REG-05 | The system must incorporate built-in checks where appropriate in order to determine the validity of source of data input or operational instruction. (§11.10h, Annex 11 5) | FS-REG-05 | N/A – No device integration.  N/A – Documents are the “data”, there is no parameter check for document revision.  Data Migration Tool | DS-REG-05 | CMMS will maintain database Procedures that can be called upon to validate external record data (i.e. in a spreadsheet). | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  CHG0121659  ALM 15:  Test ID: 217  Rev: 1  Run ID: 318  Step(s) 1,2  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 7 – 11  ALM 15  Test ID: 297  -Run ID: 484, 487, 492  -Steps(s): 1 – 52 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  R5ELECTSIGN to document eSignature history in the CMMS database  Bulk data upload process testing (pre-upload data validation, data upload, and post-upload verification). | ALM 15  Test ID 180  Run ID 206  Step(s) 2, 4  ALM 15:  Test ID: 194  Run ID: 237  Step(s) 1, 6 – 15  ALM 15:  Run ID: 250, 253, 258, 260, 262, 263, 271, 273, 274, 275, 276, 277, 278, 282, 283, 284, 285, 286, 287  Positive Testing Step(s): 6–13  Negative Testing Step(s): 1–6  ALM 15:  Run ID: 289, 290, 291, 292, 294, 295, 296, 297, 298, 299, 301, 302  Positive Testing Steps: 6–13  Negative Testing Steps: 1–6 | CHG0067632: CMMS VAL executed Functional Test Script  CHG0102298: CMMS VAL Functional Test Scripts  CHG0107683: CMMS VAL Executed Functional Test Scripts  CHG0110186: CMMS VAL Executed Functional Test Scripts | N/A | None |
| UR-REG-06 | The system should employ additional checks for critical data entered manually to ensure the accuracy of the data. This check may be done by a second operator step or by validated electronic means. (§11.10 f, Annex 11 6, MHRA Raw Data section; PDA Code of Conduct 3.3.4) | FS-REG-06 | Approver will view and make the decision whether to approver or reject. After all the approver signoff, workflow will be promoted to the next status. | DS-REG-06 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 7 – 8 | Executed CMMS VAL Functional Test Scripts  CMMS asserts eSignature authentication of the user performing work on a Work Order | ALM 15  Test ID 180  Run ID 206  Step(s) 2 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-07 | The system must automatically log users off after a specified period of inactivity. (§11.10d, g, Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-07 | Upon inactivity, the system shall automatically log users out after a configured period of inactivity. | DS-REG-07 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 99  Rev.: 3  Run ID: 111  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID:114  ALM 15  Test ID: 181  -Run ID: 451  -Step(s): all | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  Verify user session timeout. | ALM 15  Test ID 181  Run ID 207 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-08 | Open systems must employ digital signatures and data encryption as necessary in order to maintain data authenticity, integrity, and confidentiality. (§11.30, Annex 11 7.1, 12.1, MHRA Data Section) | FS-REG-08 | N/A- This is not an open system; no functional requirement will be required. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-09 | The system must provide human readable forms of signed electronic records (e.g., computer screen displays, printouts). These should bear the printed name of the signer, the date and time of the signing, and the meaning of the signature (e.g., review, approval, responsibility, and authorship). (§11.50, Annex 11 14, MHRA Data Integrity) | FS-REG-09 | The system shall capture the following information with all electronic signatures:  • The unique username for the user.  • The date and time that the signature was captured, stored and displayed with CMMS Application Server time.  • The meaning of the signature is inherent in the record that the signature is stamped on. | DS-REG-09 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 -Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Step(s): 3 – 4 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address. | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS-REG-37 | For the ECDB, a dedicated "Revision Control eRecords Setup" screens are made available to configure eSignature prompts on BOE status changes. Refer to ITPD-129666 - CMMS ECDB Detailed Design Specification - Engineering Configuration Database Appendix J for E-sig configuration details. | ALM Testing Test ID: 233 -Step(s): 37, 39, 42 , 47, 51, 52  Run ID: 367 Test ID: 240 -Step(s): 18-23  Run ID: 365  ALM 15 Test ID: 233  -Run ID: 448 -Step(s): 37, 39, 42 , 47, 51, 52 | CHG0137843: CMMS VAL executed Functional Test Script  Verify sequencing of all status change authorizations on reision controlled BOE. | N/A | N/A | N/A | N/A |
| UR-REG-10 | The system must provide a permanent link between signatures (whether electronic or handwritten) executed to electronic records and their associated electronic records to ensure that signatures cannot be excised, copied, or transferred to falsify an electronic record by normal functionality and user authorization. (§11.70, Annex 11 14, MHRA Data Integrity) | FS-REG-10 | Network ID’s are permanently linked to records in the Audit Trail. Access is assigned according to PRCD-15979, *Company A Account Management Procedure*.  Access to the application will be granted based on the users Network ID and AD group membership.  The requirements are also supported through adherence to SOP PRCD-30916, *IT Controls: Security Management*.  In the event of an upgrade or migration, this data will remain in the Audit Trail linked to Company A Network ID. | DS-REG-10 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454  -Step(s) 3, 4  Test ID: 276  -Run ID: 438  -Step(s): 10  Test ID: 102  -Run ID: 444  -Steps 3 - 4 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify eSignature authentication of the user completing work on a Work Order  Verify LDAP setting and servlet address. | ALM 15  Test ID 180  Run ID 206  Step(s) 6, 7  ALM 15  Test ID 183  Run ID 215  Step(s) 3, 4, 8 | CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | PRCD-15979/v6.0: all sections  PRCD-30916/v5.0: all sections | None |
| UR-REG-11 | The system must be backed up and all relevant data/records must be retained and retrievable. Backups must be complete and accurate data/records. (§11.10c, Annex 11 7.2, MHRA Data Retention and Backup sections; EMA Q10 ) | FS-REG-11 | This requirement is supported by ITPD-82011, Backup and Restore Requirements and Test Plan. | DS-REG-11 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114  **CHG0124552**  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 219  Rev.: 1.0  Run ID: 323  ALM 15  Test ID 151  Run ID 195  All steps  **CHG0144212**  ALM  Domain: POIT Project: CMMS  Test ID: 219  Rev.: 1.0  Run ID: 385  ALM 15  Test ID: 219  -Run ID: 458  -Step(s): all | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  CHG0067632: CMMS VAL executed Functional Test Script  Executed CMMS VAL Yearly Backup and Restore Test Script  Backup and Restore testing | N/A | N/A | ITPD-82011/v 1.0: all sections | None |
| UR-REG-12 | The system must use secure data retention storage locations to prevent data from being saved to unauthorized file storage locations including removable devices. (§11.10c, Annex 11 7.1, MHRA Data Retention section; PDA Data Integrity Code of Conduct 3.3.1.4) | FS-REG-12 | CMMS data will be retained within the validated system databases. Access to the system data is controlled according to CMMS Application Management PRCD-16000.  CMMS servers are within a secure data center on Company A network location which adheres to global data integrity requirements. | DS-REG-12 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114 | Executed CMMS VAL Functional Test Scripts | N/A | N/A | PRCD-16000/v 18.0: section 5.1 Account Management, section 5.2 Group Roles and Management, section 5.3 Security | None |
| UR-REG-13 | If the system is used for archiving data, the system must lock archived records such that they cannot be altered or deleted without detection and audit trail. The archive arrangements must be designed to permit recovery and readability of the data and metadata. | FS-REG-13 | N/A – This is not a data archival system. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-14 | The system must employ controls that maintain unique ID/password combinations such that no two individuals have the same combination of ID and Password. The system should not allow IDs to be reassigned or deleted once an ID is affixed to an electronic record. The system should allow for the ID to be deactivated. (§11.10d, §11.100a, §11.300a, Annex 11 12.1, MHRA Data Section) | FS-REG-14 | User accounts are controlled using Active Directory, which follows the company standard security controls as per PRCD-30916, *IT Controls: Security Management* and guidelines established in ITCD-36476, *Password Policy*.  If a user is deactivated from the network, the system will not allow the user to access the application. The CMMS audit trail will retain the electronic records containing the user’s information and will not be deleted. | DS-REG-14 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 1, 9, 10, 18  Test ID: 276  -Run ID: 438  -Step(s): 1, 9, 10, 18 | Executed CMMS VAL Functional Test Scripts  Verify LDAP user authentication against Active Directory credentials upon login and upon provision of eSignature | ALM 15  Test ID 180  Run ID 206 Step(s) 6 – 8 | CHG0067632: CMMS VAL executed Functional Test Script | PRCD-30916/v 5.0: section 4.4 User Accounts  ITCD-36476/v 3.0: all sections | None |
| UR-REG-15 | The system must incorporate periodic mandatory expiration of passwords or other access keys. (§11.300b, §11.10d, Annex 11 12.1) | FS-REG-15 | User accounts are controlled using Active Directory, which follows the company standard password policy as per ITCD-36476, *Password Policy*. | DS-REG-15 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 -Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Steps.: 3, 4 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify LDAP setting and servlet address. | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | ITCD-36476/v 3.0: section 6.1 Unacceptable use | None |
| UR-REG-16 | For systems that use non-biometric electronic signature, it must employ at least two distinct identification components such as identification code and password. (§11.10a, Annex 11 12.1, MHRA Data Section) | FS-REG-16 | The system will use active directory login credentials, and thus will be compliant with Company A password policy ITCD-36476, *Password Policy*. | DS-REG-16 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  ALM 15  Test ID: 183  -Run ID: 454  -Step(s): 3, 4  Test ID: 284  -Run ID: 443  -Step(s): 7 – 8 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  CMMS asserts eSignature authentication of the user performing work on a Work Order | ALM 15  Test ID 180  Run ID 206 Step(s) 6 – 8  ALM 15  Test ID 183  Run ID 215  Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | ITCD-36476/v 3.0: section 6.0 Authentication Requirements, section 6.1 Unacceptable use | None |
| UR-REG-17 | The system must use technical means to administer non-biometric electronic signatures to ensure that improper attempted use by anyone other than the genuine owner requires collaboration of two or more individuals. (§11.200a, Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-17 | System has the ability to differentiate the electronic signature between signing off at the approval step and restricts approval access based on user groups and does not permit a user to approve a stage of the workflow if the user group is not configured to approval privilege.  User accounts are controlled using Active Directory, which follows the company user management policy as per SOP PRCD-15979, *Company A Account Management Procedure* and PRCD-30916 “IT Controls: Security Management”. | DS-REG-17 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 -Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Steps.: 3, 4 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify LDAP setting and servlet address. | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | PRCD-15979/v 6.0: all sections  PRCD-30916/v 5.0: all sections | None |
| UR-REG-18 | The system must allow electronic signatures to be permanently linked to their respective record and include the time and date that there were applied and demonstrate the means to retain the link between the signature and the record, e.g., in situations when the data in a system is being migrated due to upgrade or retirement. (§11.70, Annex 11 14, MHRA Data section) | FS-REG-18 | The system shall directly associate all signatures to the electronic record that the signature signs.  Signatures are applied to the entities assigned to (i.e; PM Revision, Work Order Status Change). | DS-REG-18 | User accounts are synced from the active directory and managed through AD group membership. The account Policies section must be configured as follows to enable integration with the active directory. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 7 - 11 | Executed CMMS VAL Functional Test Scripts  R5ELECTSIGN to document eSignature history in the CMMS database | ALM 15  Test ID 180  Run ID 206 Step(s) 6 – 8 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-19 | The system must require at least two individual-specific electronic signature components for the initial signing when signings are performed within a single, continuous period. Subsequent signings must be executed using at least one electronic signature component that is only executable by, and designed to be used only by, the individual. (§11.200a, MHRA Computer System Transactions Section) | FS-REG-19 | System Access requirement is fulfilled through adherence to SOP PRCD-15979, *Company A Account Management Procedure* and PRCD-30916, *IT Controls: Security Management* for granting access. | DS-REG-19 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 7 | Executed CMMS VAL Functional Test Scripts  CMMS bars change to review status for Work Orders upon unsuccessful eSignature authentication | ALM 15  Test ID 180  Run ID 206 Step(s) 6 – 8 | CHG0067632: CMMS VAL executed Functional Test Script | PRCD-15979/v 6.0: all sections  PRCD-30916/v 5.0: section 4.4 User Accounts | None |
| UR-REG-20 | The system must employ the same controls for electronic signatures as it does for electronic records and must include them as part of any human readable form of the electronic record (such as electronic display or printout). (§11.50b, Annex 11 8.1, MHRA Data section, MHRA Raw Data section; PDA Data Integrity Code of Conduct 3.3.1.5) | FS-REG-20 | Signatures bear the user ID, printed name of the signer, the date and time of the signing, and the meaning of the signature.  The electronic signatures Are displayed when applicable on validated reports (i.e; work order report). | DS-REG-20 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s) 7 - 11 | Executed CMMS VAL Functional Test Scripts  R5ELECTSIGN to document eSignature history in the CMMS database | ALM 15  Test ID 180  Run ID 206 Step(s) 6 – 8 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-21 | When a computerized system is used for recording certification and batch release, the system must allow only Qualified Persons to certify the release of the batches and it should clearly identify and record the person releasing or certifying the batches. This should be performed using an electronic signature. (Annex 11 15) | FS-REG-21 | N/A – This system is not used for recording certification or batch release. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-22 | The system must have logical controls to restrict access and system functionality, and use to authorize individuals based on job responsibilities or roles. (§11.10d, g, Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-22 | System will support restricting access to authorize individuals based on job responsibilities through creation of different Groups. Users will request access to AD groups through BAM and system will synchronize users in AD groups automatically.  The system shall allow access groups to be defined, which control the functionality in the system that associated users are permitted to use. | DS-REG-22 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Steps.: 1, 2 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify administrator access to control screen permissions for User Groups | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| DS7-01 | User Groups, User Setup, Department Level Security, Store Security and Screen Designer. Workflow configuration is documented in the Application Configuration Specification (ITPD-37061) | ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 7-15 | CHG0148750 - Bug Enhancements OQ |  |  |  |  |
| UR-REG-23 | The system must limit access to authorized individuals by using unique user ID/password login, or equivalent biometric identifier. (§11.10d, 11.200a, 11.300a, Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-23 | System will support restricting access to authorize individuals based on job responsibilities through creation of different AD Groups.  System Access requirement is fulfilled through adherence to SOP PRCD-15979, *Company A Account Management Procedure* for granting access.  The system is integrated with the Active Directory, which also follows the company security policy which includes unique user ID / password logins. | DS-REG-23 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Steps.: all steps | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify LDAP setting and servlet address.  Verify administrator access to control screen permissions for User Groups | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | PRCD-15979/v 6.0: all sections | None |
| UR-REG-24 | The system must support individual user accounts/access, including unique logins for system administrators, to allow actions in the audit trail(s) to be attributed to a specific individual. (§11.10d, 2.1, MHRA Computerized System User Access section) | FS-REG-24 | System will incorporate audit trails with changes not obscuring previously recorded information. | DS-REG-24 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 276  -Run ID: 419  -Step(s): 1 - 3, 7 – 12  Test ID: 276  -Run ID: 438  -Step(s): 1 - 3, 7 – 12  Test ID: 102  -Run ID: 444  -Step(s): all  Test ID: 183  -Run ID: 454  -Step(s): 3, 4 | Executed CMMS VAL Functional Test Scripts  Verify the Audit Trail correctly reflects changes made to Work Order data, including author, timestamp, and before and after values.  Verify LDAP setting and servlet address.  Verify administrator access to control screen permissions for User Groups  Verify LDAP setting and servlet address. | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-25 | The system must allow administrator to assign appropriate privileges to each user account. (§11.10d, Annex 11 12.1) | FS-REG-25 | The application shall allow access groups to be defined, which control the functionality in the application that associated users are permitted to use.  The application shall allow Administrator users to associate a user account with a single access group, thereby defining the functionality that the user can execute. | DS-REG-25 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 -Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Step(s): 1, 2 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify administrator access to control screen permissions for User Groups | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-26 | The system must not allow write access for shared, groups, guests (or similar) accounts. (§11.10d, MHRA Computerized System User Access section) | FS-REG-26 | The application shall allow access groups to be defined which grants ‘read-only’ access only to specified functional areas of the application. | DS-REG-26 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114 | Executed CMMS VAL Functional Test Scripts | N/A | N/A | PRCD-15979/v 6.0, section 4.7 Changing Persons’ Roles, section 4.13.5 Monitoring approvals for accounts and Roles, section 4.13.10 Monitoring segregation of duties roles for IT | None |
| UR-REG-27 | The system must demonstrate access levels granted to users and historical information regarding user access level and track any changes to system-specific accounts, privileges, and roles in the system. (§11.10d , Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-27 | The system access is granted by assigning different users an AD Group.  The access management will be performed using BAM, which will record details of access requests and approvals.  Any changes to user or group access levels and historical information will be maintained in the Audit Trail. | DS-REG-27 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 Step(s) 3, 4  Test ID: 102  -Run ID: 444  -Step(s): 3, 4 | Executed CMMS VAL Functional Test Scripts  Verify LDAP setting and servlet address.  Verify LDAP setting and servlet address. | ALM 15  Test ID 183  Run ID 215 Step(s) 3, 4 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-28 | The system must have the ability to configure system administrator rights (permitting activities such as data deletion, database amendment or systems configuration changes) to limit functionality. Administrator rights to not be combined with roles/functionality that can be assigned to individuals with a direct interest in the data (data generation, data review or approval). (MHRA Computerized System User Access section) | FS-REG-28 | System administrator (Admin) role will not be assigned to individuals with direct interest in the data.  The Administrator role (Company A System Admin) is specifically for those who will make changes to system. | DS-REG-28 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 102  Rev.: 3  Run ID: 113  ALM 15  Test ID: 183  -Run ID: 454 -Step(s) 2  Test ID: 102  -Run ID: 444  -Steps.: all steps | Executed CMMS VAL Functional Test Scripts  Verify administrator access to control screen permissions for User Groups  Verify LDAP setting and servlet address.  Verify administrator access to control screen permissions for User Groups | ALM 15  Test ID 183  Run ID 215 Step(s) 2 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-29 | The system must have documented transaction safeguards/monitoring alerts in place to immediately detect any attempts at unauthorized use of IDs and/or passwords and to report such attempts to the appropriate system security personnel or organization/site management. (§11.300d, Annex 11 12.1) | FS-REG-29 | System will support LDAP integration on for login and hence this requirement is fulfilled through adherence to SOP ITCD-22525, *IT Information Security Policy* and PRCD-30916, *IT Controls: Security Management*.  Account lockout/notification upon incorrect entry of username and password are handled via active directory when the user attempts to access the system server.  Upon successive invalid login attempts, the user account is locked per company policy. | DS-REG-29 | Refer to ITPD-34336 CMMS Functional Specification for the correlation between the UR and technical specification. | N/A | N/A | N/A | N/A | ITCD-22525/v 8.0: section 11 Password Security  PRCD-30916/v 5.0: section 4.5.4 Monitoring | None |
| UR-REG-30 | If the system utilizes devices such as tokens or cards that bear or generate ID or password information, the devices must function properly and prevent alteration in an unauthorized manner. (§11.300e, Annex 11 12.1) | FS-REG-30 | N/A – Tokens or cards will not be used to access the system; no functional requirement will be required. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-31 | For systems that incorporate the use of biometric signatures, mechanisms must be employed to ensure that biometric signatures cannot be used by anyone other than the individual whose biometric profile matches that on file. (§11.200b, Annex 11 12.1, MHRA Computerized System User Access section) | FS-REG-31 | N/A – The system does not utilize biometric signatures; no functional requirement will be required. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-32 | If the system is a data acquisition system, it must have secure access to prevent unauthorized changes to electronic data. (MHRA Computerized System User Access section; PDA Code of Conduct 3.4.1) | FS-REG-32 | N/A – yCIMS is a not a Data Acquisition System; no functional requirement will be required. | N/A | N/A | N/A | N/A | N/A | N/A | N/A | None |
| UR-REG-33 | The system must incorporate and maintain audit trails which record all relevant changes and deletions, with changes not obscuring previously recorded information, including changes executed by the system administrator. The reason for the change or deletion must be documented. The system must be able to generate printouts of the audit trail. (§11.10e, Annex 11 8.2, 9, MHRA Audit Trail section; EMA Q8, Q15, MHRA Raw Data Section) | FS-REG-33 | System shall be able to incorporate and maintain the audit trail record related to changes and deletions made in the system with changes not obscuring previously recorded information, including changes executed by the system administrator.  System must have the electronic proof stating the reason for the deletion and system must be able to print the audit trail document. | DS-REG-33 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 100  Rev.: 4  Run ID: 112  ALM Testing  Test ID: 232  -Step(s): 12, 14, 16, 18, 20  -Run ID: 361  Test ID: 233  -Step(s): 7-10, 63  -Run ID: 367  Test ID: 240  -Step(s): 52, 56, 58, 60  -Run ID: 365  ALM 15:  Test ID: 233  -Run ID: 448  -Step(s): 7-10, 63  Test ID: 284  -Run ID: 443  -Step(s): 7 - 9 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  CHG0137843: CMMS VAL executed Functional Test Script  Work Order status changes are Audit Trailed. | ALM 15  Test ID 180  Run ID 206 Step(s) 11  ALM 15  Test ID 182  Run ID 214  Step(s) 5, 7 | CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-34 | The system audit trail must provide secure (not editable), date and time-stamped record of the action (obtained from a secure, reliable source, i.e. the server and not the client PC) and the identity of the operator any time an electronic record is created, modified, or deleted. (§11.10e, Annex 11 8.2, 9, 12.4, MHRA Audit Trail section; PDA Data Integrity Code of Conduct 3.3.1.3) | FS-REG-34 | System shall have the ability to generate a secure audit trail report of the actin from application server which must provide the time stamp information’s in non-editable format when an particular action is performed. The report generated from the system is non-editable. | DS-REG-34 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 100  Rev.: 4  Run ID: 112  ALM 15  Test ID: 284  -Run ID: 443  -Step(s): 7 – 9  ALM 15  Test ID: 298  -Run ID: 489  -Step(s): 30  -Negative Testing Step(s): 30 | Executed CMMS VAL Functional Test Scripts  Executed CMMS VAL Functional Test Scripts  Work Order status changes are Audit Trailed.  Checkbox on PM Schedules controlling QA Review requirement for associated Work Orders. | ALM 15  Test ID 180  Run ID 206 Step(s) 7  ALM 15  Test ID 182  Run ID 214  Step(s) 7 | CHG0067632: CMMS VAL executed Functional Test Script  CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-35 | The system must not allow users to amend or switch off the audit trail. (§11.10e, Annex 11 9, MHRA Audit Trail Section) | FS-REG-35 | System provides an audit trail on events within the system.  System will generate and store audit trails based on the time zone generated by the CMMS application server.  The Audit Trail is configured by the System Admin. Any deactivation to Audit Trail fields are managed under IT Change Control. | DS-REG-35 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 98  Rev.: 4  Run ID: 110  CHG0121659  ALM 15:  Test ID: 215  Rev.: 1  Run ID: 316  Step(s): 1,2  Negative Testing:  Steps(s): 10  HP ALM (Domain: POIT; Project: CMMS):  Test ID: 284  -Run ID: 443  -Step(s): 7 - 9 | Executed CMMS VAL Functional Test Scripts  Work Order status changes are Audit Trailed. | ALM 15  Test ID 180  Run ID 206 Step(s) 9 | CHG0067632: CMMS VAL executed Functional Test Script | N/A | None |
| UR-REG-36 | The system must record the creation, change, and cancellation of access authorizations. (§11.300d, Annex 11 12.3, MHRA Data Section). | FS-REG-36 | System provides an audit trail on events within the system.  System will generate and store audit trails based on the time zone generated by the CMMS application server.  The Audit Trail is configured by the System Admin. Any deactivation to Audit Trail fields are managed under IT Change Control. | DS-REG-36 | This is OOTB functionality. | HP ALM (Domain: POIT; Project: CMMS):  Test ID: 103  Rev.: 5  Run ID: 114  ALM  Domain: POIT  Project: CMMS  Test ID: 261  Run ID: 406  Steps 23-26 | Executed CMMS VAL Functional Test Scripts  CHG0148750 - Bug Enhancements OQ | N/A | N/A | PRCD-16000/ v18.0: section 5.4 Audit Trail Management | None |

**Note**: If any of the URS, FS or DS information is not completely visible please refer to the approved URS, FS and DS documents available in myCIMS.

# References

| **Document ID**  **(Include the version)** | **Title** | **Comments** |
| --- | --- | --- |
| GLST-96882 v3.0 | IT Controls Global Strategy Document | NA |
| PRCD-3923 34.0 | Applying Good Documentation Practices | NA |
| PRCD-30914 v14.0 | Validating IT Computerized Systems | NA |
| PRCD-114743 v3.0 | Managing the Lifecycle of Computerized Systems | NA |
| TR-IT-040693 v4.0 | CMMS System Assessment | NA |
| ITPD-34336 v30.0 | CMMS Functional Specification | NA |
| ITPD-31838 v29.0 | CMMS User Requirement Specification | NA |
| ITPD-37198 v57.0 | CMMS Design Specification | NA |
| ITPD-129666 v3.0 | CMMS ECDB Detailed Design Specification | N/A |
| ITPD-132683 v1.0 | Test Plan - CMMS Application Upgrade 2024 | CMMS upgraded to v12.1 |
| ITPD-135562\_1.0 | CMMS Test Plan Report - CMMS Application Upgrade 2024 | CMMS upgraded to v12.1 |

# Appendix

N/A – Test ID’s and Run ID’s are documented within Section 1

# Revision History

| Revision History | |
| --- | --- |
| Version No. | Reason for Change |
| 2.0 | Calibration module requirements added per VSM CR#234649. |
| 3.0 | System Patch 002 requirements updated per VSM CR#286298. |
| 4.0 | PI Integration requirements updated per vFire CR# 367648 and 367647 |
| 5.0 | CRA/SIA Request Update per vFire CR# 338610 |
| 7.0 | QA, MD, & Grid/User Update Per vFire CR# 529987 |
| 8.0 | Upgrade from 10.1.1 to 11.2 per vFire CR# 623881. |
| 9.0 | Branding and change request updates per vFire CR# 680340. |
| 10.0 | Adding new User Requirement Specifications based on ITPD-31838 revision 11.0 per CR#710019.  Updating existing and adding new Functional Specifications based on ITPD-34336 revision 9.0 per CR# 710019.  Updating existing and adding new Design Specifications based on ITPD-37198 revision 26.0 per CR# 710019.  Referencing Executed CMMS VAL Functional Test Scripts (ITPD-86195) on updated existing and new requirements added (changes above) per CR# 710019. |
| 11.0 | Employee Feed Update Per vFire CR#720448 (Requirement FR 6.8.3, DS8-03). Added Test Script ID. |
| 12.0 | Employee Feed Update Per vFire CR#720448 (Requirement FR 6.8.3, DS8-03). Added Run ID 8. |
| 13.0 | Updated UAT Description for BR 3.47 to include new testing per CR 743503.  Adding new User Requirement Specifications BR 4.46, 3.48, 4.47, 3.49, 3.50 and 7.17 including respective FS, DS, and UAT Test Script ID based on ITPD-31838 revision 12.0 per CR 743503.  Updated Functional Spec from version 7.0 to 10.0 and Design Spec from version 27.0 to 28.0 in References section. |
| 14.0 | Added Run IDs for the following requirements per CR 743503:  BR 3.47, BR 4.46, BR 3.48, BR 4.47, BR 3.49, BR 3.50, BR 7.17 |
| 15.0 | Updated UAT ID# and Description for BR 3.10 to include new testing per CR 754602.  Updated UAT ID# and Description for BR 4.3 to include new testing per CR 754602.  Updated FR 6.1.11 and DS1-11 for BR 3.10 to include additional technical details on requirements.  Updated DS4-10 for BR 4.3 to include additional technical details on requirements.  Updated ITPD-34336(FS) from version 10.0 to 11.0, ITPD-37198(DS) from version 28.0 to 29.0, and ITPD-37061(ACS) from version 18.0 to 20.0 in References section. |
| 16.0 | Added Run IDs for the following requirements per CR 754602:  BR 3.10, BR 4.3 |
| 17.0 | Created requirement FR 6.3.51 and DS3-51 for BR 3.5 per CR 769775.  Created requirement FR 6.4.63 and DS4-63 for BR 3.1 per CR 769775.  FR 6.4.20 and DS4-20 requirements are no longer required and replaced with FR 6.4.63 and DS4-63 per CR 769775.  Created requirements FR 6.3.52 and DS3-52 for BR 3.39 per CR 769775.  Created requirements FR 6.3.53 and DS3-53 for BR 3.39 per CR 769775.  FR 6.3.38 and DS3-38 requirements are no longer required and replaced with FR 6.3.53 and DS3-53 per CR 769775.  Updated ITPD-34336(FS) from version 11.0 to 12.0, ITPD-37198(DS) from version 29.0 to 30.0, and ITPD-37061(ACS) from version 20.0 to 21.0 in References section. |
| 18.0 | Added Run IDs for the following requirements per CR 769775:  BR 3.5, BR 3.1, BR 3.39 |
| 19.0 | Created requirement BR 4.48 per CR 790235. FS and DS for this requirement is N/A.  Added references to Test Scripts: ITPD-93699 & ITPD-93555; for BR 4.48.  Added reference to “ITPD-31838 ver 13.0” under References section. |
| 20.0 | Added executed scripts ITPD-93700 and ITPD-93557 under the UAT column for requirement BR 4.48 per CR790235. |
| 21.0 | Updated document per TRN 357653 to update test references, add references to additional testing from HP ALM test ID:20 Run ID:23, Alignment with SDLC documents and adding references to global procedures |
| 22.0 | Created requirements FR 6.4.64 and DS4-64 for BR 4.49 per CR 828068.  Added references to HPALM test scripts for the following requirements:  -BR 4.49, FR 6.4.64, DS4-64 -BR 1.8, FR 6.2.8, DS2-08  URS, FS, DS, and App Config Spec document versions have been updated to their most recent versions in the References section per CR 828068. |
| 23.0 | Added Run ID 25 for the following requirements per CR 828068:  -BR 4.49, FR 6.4.64, DS4-64 -BR 1.8, FR 6.2.8, DS2-08 |
| 24.0 | Added reference to Vfire ticket 839084 and JIRA ticket EMS-537 used by Oracle Middleware group to the following requirements as part of the ZUG Org addition:  -BR 1.1, FR 6.1.6, DS1-06 -BR 1.1, FR 6.2.1, DS2-01 |
| 25.0 | Created requirements FR 6.3.54 and DS3-54 for BR 3.51 per CR 770044 and added references to testing. Created requirements FR 6.3.55 and DS3-55 for BR 3.52 per CR 770044 and added references to testing. Created requirements FR 6.3.56 and DS3-56 for BR 3.53 per CR 770044 and added references to testing.  Updated requirement FR 6.3.44 and DS 3-44 per CR 770044 and added reference to new testing. |
| 30.0 | Revisions made to account for changes to CMMS SDLC documents per CR# CHG0034597:   * Revised FR 6.5.4 and DS5-04, under BR 3.1 * New FR 6.5.1 and DS5-01, under BR 5.5 * New BR 5.19, FR 6.5.22, and DS5-22 * New FR 6.9.11 and DS9-11, under BR 6.1 * New FR 6.9.12 and DS9-12, under BR 6.1 * New FR 6.3.57 and DS3-57, under BR 3.1 * New DS4-66, under BR 3.9 and FR 6.4.13 * Revised BR 4.47, FR 6.4.62, and DS4-62 * New DS11-18, under BR 7.10 and FR 6.11.10 * New DS4-67, under BR 4.3 and FR 6.4.10   New DS4-68, under BR 4.3 and FR 6.4.10 |
| 30.2 | Revision to UAT column to reference HP ALM Test Run IDs corresponding to specification revisions per CR# CHG0034597 (detailed in Revision History table >> ver.# 30.0 >> Reason for Change). |
| 32.0 | New specifications added per CMMS CR# CHG037211:   * BR 3.54:   + FR 6.3.63: DS3-58, DS3-59. * BR 10.4:   + FR 6.9.2: DS9-02, DS9-13.   + FR 6.9.3: DS9-03   + FR 6.9.13: DS9-02, DS9-13, DS3-59.   + FR 6.9.14: DS9-02, DS9-13, DS3-58.   + FR 6.9.15: DS9-13 |
| 33.0 | Updated version numbers of reference documents in table under References section. |
| 34.0 | Entry added per CR CHG0039716: BR 4.51, FR 6.4.66, DS4-66 (changes for Project Irish). |
| 35.0 | The following TM entries were removed:   * BR 1.1 - FR 6.1.3 - DS1-03 * BR 1.3 - FR 6.2.3 - DS2-01 * BR 1.3 - FR 6.2.3 - DS2-02 * BR 3.1 - FR 6.3.3 - DS3-03 * BR 4.3 - FR 6.4.18 - DS4-18 * BR 11.2   The following test script references were updated to include references to corresponding executed Test Scripts:   * ITPD-37518 - Test Scripts 1 thru 10: Executed CMMS VAL Functional Test Scripts ARC-0000007778 * ITPD-37518 - Test Script 11 thru 22: Executed CMMS VAL Functional Test Scripts ARC-0000007779 * ITPD-38104: Executed Test Script ARC-0000007779 * ITPD-49664: Executed Test Script ARC-0000197171 * ITPD-63417: Executed Test Script ITPD-65278 * ITPD-67078: Executed Test Script ITPD-68144 * ITPD-38850: Executed Test Scripts ITPD-79045, as well as ITPD-79035 (pre-approved copy of ITPD-79045)   The following CR references were updated with references to corresponding pre-approved and executed Test Scripts:   * CR# 286298: Test Plan ITPD-52304 and Executed Test Scripts ITPD-53638 * CR# 263280: pre-approved Data Migration Test Scripts ITPD-53279 and Executed Data Migration and Verification Test Scripts ARC-0000197920   HP ALM Test ID added for testing to be completed per Remediation to the following entires:   * BR 7.16 - FR 6.11.16 - DS11-16 * UR-REG-01 through 07, 09 through 12, 14 through 16, 18, 19, 22 through 28, 33 through 36 |
| 36.0 | Entry for UR-REG-28 – FS-REG-28 – DS-REG-28 revised to reference Test ID 102 instead of Test ID 101 (incorrect). |
| 37.0 | * Header to Section 1 Traceability Matrix revised for clarily. * User Requirement Specifications cited for Functional Specifications from ITPD-38444 and Design Specifications from ITPD-38450, related to Oracle Integrations. * Row for User Requirement BR 10.4 has been split for clarity (one row per corresponding Functional Requirement). * Document citations under Procedural Controls updated to include references to relevant document sections (rows UR-REG-01, 10, 11, 12, 14, 15, 16, 17, 19, 23, 26, 29, 36). * Updated Regulatory Requirements with HP ALM Run ID per 2019 Remediation. * Appendix section added |
| 38.0 | FS-REG-11 updated: reference to the CMMS Back Up and Restore Requirements and Test Plan updated from ITPD-38614 to ITPD-82011, under FS and Procedure columns. |
| 39.0 | 1. Revisions per CHG0054991 - CRA-SIA Process Separation:  * Deleted:   + BR 3.37 – FR 6.3.36 – DS3-36 * Revised:   + DS3-24   + DS3-34   + DS3-53 * New:   + DS3-60   Also added Test ID and Step numbers for revised specifications and new specifications under UAT Testing column.   1. Changed description of BR 1.1, BR 1.9, and BR 5.2 to reflect their deleted status. 2. Corrected descriptions of BR 4.7, BR 4.47, FR 6.3.32, and FR 6.12.5 to bring into conformance with respective specification document. 3. Corrected description of BR 4.48, BR 4.51, FR 6.3.38, FR 6.4.66, and DS3-38 to bring into conformance with requirements around removing specifications. |
| 40.0 | Revisions per CR# CHG0064644:  New:   * BR 10.5   + FR 6.9.16     - DS9-14     - DS9-15     - DS9-16   The new specifications are to account for Views to be created to stage data for integration with Advanced Scheduler application. |
| 41.0 | Revisions per VAL deployment of CR# CHG0064644:   * BR 10.5   + FR 6.9.16     - DS9-14     - DS9-15     - DS9-16   VAL Run ID’s were referenced for the above. |
| 42.0 | Per CR# CHG0065830, UAT columns updated to reference VAL test scripts for the following specifications:   * BR 8.1 * FR 6.7.7 - DS7-01 * FR 6.7.6 - DS7-01     To references testing for changes:   * User Group SME – WO Authorization for Updates to WO in Status “Scheduling”; * User Group TECH – access to generate Pick Ticket reports |
| 43.0 | Per CR# CHG0064644, UAT columns updated to reference PROD executed test scripts for the following specifications:   * BR 10.5   + FR 6.9.16     - DS9-14     - DS9-15     - DS9-16   PROD Run ID’s were referenced for the above.  Per CR# CHG0065830, UAT columns updated to reference VAL executed test scripts for the following specifications:   * BR 8.1 * FR 6.7.7 - DS7-01 * FR 6.7.6 - DS7-01   VAL Run ID’s were referenced for the above. |
| 44.0 | Specifications mapped corresponding to pre-execution test scripts and step numbers for CHG0067632 (CMMS 11.2 to 11.6 upgrade). |
| 45.0 | Specifications mapped to VAL executed functional test script IDs, Run IDs, and step numbers in ALM 15 for CHG0067632 (CMMS 11.2 to 11.6 upgrade). This testing was executed within the CMMS 11.6 Validation environment installed per CHG0067632 on AWS cloud servers, and not the previously existing CMMS 11.2 Validation environment installed on on-premise servers. |
| 46.0 | Added references to Test ID for re-validation of integration with Oracle Fusion Middleware. The re-validation involves testing in the CMMS VAL environment of synchronization of Cost Code records with Oracle EBS; per CR# CHG0099490. This CR does not involve a change to CMMS and only documents testing in CMMS of the integration with Oracle Fusion Middleware (following middleware’s migration to cloud).  The following Traceability matrix rows have been updated with Test ID 189 in ALM 15 (Domain: POIT; Project: CMMS):   * BR 6.2 - CCD-001 - DSG04-09 * BR 6.2 - CCD-002 - DSG04-10 |
| 47.0 | 1. Revised references to Test ID for re-validation of integration with Oracle Fusion Middleware. The re-validation involves testing in the CMMS VAL environment of synchronization of Cost Code records with Oracle EBS; per CR# CHG0099490. This CR does not involve a change to CMMS and only documents testing in CMMS of the integration with Oracle Fusion Middleware (following middleware’s migration to cloud). The revisions adjust the referenced step numbers (due to OQ script revised to include positive testing).   The following Traceability matrix rows have been updated with Test ID 189 in ALM 15 (Domain: POIT; Project: CMMS):   * BR 6.2 - CCD-001 - DSG04-09 * BR 6.2 - CCD-002 - DSG04-10  1. Revised Traceability Matrix rows for Denodo integration with CMMS to document switch from BAM feed to Workday / Fieldglass, and referenced Test ID 192 in ALM15 (Domain:POIT; Project: CMMS) (for re-validation of that integration), per CHG0103628:  * BR 9.2 - FR 6.8.3 - DS8-03 * BR 10.1 - FR 6.9.1 - DS9-01 |
| 48.0 | Mapped new design specification DS-REG-05 under UR-REG-05 – FS-REG-05 (per introduction of Import Templates for bulk data import into the CMMS in CHG0102298). Also referenced the associated Test Scripts. |
| 49.0 | 1. Added new functional specification FR 6.4.67 and new design specification DS4-69 and referenced pre-execution functional test scripts, per CHG0106268. New specifications are mapped as follows:   BR 4.49 > FR 6.4.67 > DS4-69   1. Functional testing steps applicable to the Test Script with Test ID 194 (in ALM 15, Domain: POIT; Project: CMMS; relevant to CHG0102298), mapped to UR-REG-05 > FS-REG-05 > DS-REG-05,   have been revised to include steps for verification of success in importing error-checked data, as well as applicable negative testing. |
| 50.0 | 1. Added reference in row BR 4.49 > FR 6.4.67 > DS4-69 to executed functional testing in CMMS Validation environment for CHG0106268 (CMMS 2021 EOY Hypercare Changes). 2. Added reference in row UR-REG-05 > FS-REG-05 > DS-REG-05 to executed functional testing in CMMS Validation environment for CHG0102298 (CMMS PM Schedule Updates Import Template). |
| 51.0 | Mapped specification UR-REG-05 – FS-REG-05 – DS-REG-05 to OQ scripts for CHG0107683 (bulk deployment of Import templates) to document Validation deployment. |
| 52.0 | Mapped specification BR 6.1, 6.2, 6.5, 6.6, 6.7, 6.8, 6.9 to OQ scripts for CHG0107804 (re-Validation of CMMS to Oracle EBS Purchasing Integrations) to document Validation deployment. |
| 53.0 | Mapped specification BR 6.1, 6.2, 6.5, 6.6, 6.7, 6.8, 6.9 to OQ Test Runs for CHG0107804 (re-Validation of CMMS to Oracle EBS Purchasing Integrations), documenting Validation deployment. |
| 54.0 | Mapped specification UR-REG-05 – FS-REG-05 – DS-REG-05 to executed Run ID for Functional Testing of CHG0107683 (bulk deployment of Import templates) - to document Validation deployment.  -Import template: Equipment (Custom Fields) - Update  --Run ID 250  -Import template: PM Schedule (Record View) - Update  --Run ID 253  -Import template: Lots - Update  --Run ID 258  -Import template: Lots - Insert  --Run ID 260  -Import template: Part (Record View) - Insert  --Run ID 262  -Import template: Part (Record View) - Update  --Run ID 263  -Import template: PM Schedule (Record View) - Insert  --Run ID 271  -Import template: PM Schedule (Equipment) - Insert  --Run ID 273  -Import template: PM Schedule (Activities) - Insert  --Run ID 274  -Import template: PM Schedule (Activities) - Update  --Run ID 275  -Import template: Material List (Record View) - Insert  --Run ID 276  -Import template: Material List (Record View) - Update  --Run ID 277  -Import template: Job Plan (Record View) - Insert  --Run ID 278  -Import template: Job Plan (Record View) - Update  --Run ID 282  -Import template: PM Schedule (Equipment) - Update  --Run ID 283  -Import template: Material List (Parts) - Insert  --Run ID 284  -Import template: Material List (Parts) - Update  --Run ID 285  -Import template: Part (Manufacturer) - Insert  --Run ID 286  -Import template: Part (Manufacturer) - Update  --Run ID 287 |
| 54.0 | Mapped specification UR-REG-05 – FS-REG-05 – DS-REG-05 to OQ scripts for CHG0110186 (bulk deployment of Import templates; continuation of CHG0107683) to document Validation deployment. |
| 55.0 | Mapped specification UR-REG-05 – FS-REG-05 – DS-REG-05 to executed Run ID for Functional Testing of CHG0110186 (continued bulk deployment of Import templates) - to document Validation deployment.  -Import template: Part – Supplier – Insert – Insert  --Run ID: 289  -Import template: Part – Supplier – Insert – Update  --Run ID: 290  -Import template: Part – Store lines – Insert  --Run ID: 291  -Import template: Part – Store lines – Update  --Run ID: 292  -Import template: Part – Price lines - Insert  --Run ID: 294  -Import template: Equipment – Part lines – Insert  --Run ID: 295  -Import template: Comments – Insert  --Run ID: 296  -Import template: Comments – Update  --Run ID: 297  -Import template: Documents – Insert  --Run ID: 298  -Import template: Documents – Update  --Run ID: 299  -Import template: Job Plan – Checklist – Update  --Run ID: 301  -Import template: Job Plan – Checklist – Insert  --Run ID: 302 |
| 56.0 | Mapped the following row to planned OQ Test ID for CHG0110839 (re-Validation of CMMS Supplier record synchronization with Oracle EBS (CMMS inbound integration of Supplier records from Oracle EBS via Fusion Middleware)) to document validation deployment:   * BR 10.3 - FR 6.9.10 - DS9-10 |
| 57.0 | Mapped the following row to executed OQ Run ID for CHG0110839 (re-Validation of CMMS Supplier record synchronization with Oracle EBS (CMMS inbound integration of Supplier records from Oracle EBS via Fusion Middleware)) to document validation deployment:   * BR 10.3 - FR 6.9.10 - DS9-10 |
| 58.0 | Mapped relevant specifications to OQ script for CHG0107804 (re-Validation of CMMS to Oracle EBS Purchasing Integrations - Purchase Order synchronization) to document planned Validation deployment.:  BR 6.2 - REQ-001 - DSG04-01  BR 6.2 - REQ-002 - DSG04-02  BR 6.5 - GFR-001 - DSG01-01 |
| 59.0 | * Design spec DS1-11 updated with change detail for CHG0118269: System will prevent generating PM WO’s if an unfinished PM Schedule revision exists with revised due date or frequency for the same PM Equipment * Mapped BR 3.10 - FR 6.1.11 - DS1-11 to planned OQ test script for CHG0118269 |
| 60.0 | * Mapped BR 3.10 - FR 6.1.11 - DS1-11 to executed OQ test script for CHG0118269 |
| 61.0 | Added references to VAL executed Run ID 235 for re-validation of integration with Oracle Fusion Middleware. The re-validation involves executed testing in the CMMS VAL environment of synchronization of Cost Code records with Oracle EBS; per CR# CHG0099490. This CR does not involve a change to CMMS and only documents testing in CMMS of the integration with Oracle Fusion Middleware (following middleware’s migration to cloud).  The following Traceability matrix rows have been updated with Run ID 235 in ALM 15 (Domain: POIT; Project: CMMS):   * BR 6.2 - CCD-001 - DSG04-09 * BR 6.2 - CCD-002 - DSG04-10 |
| 61.0 | Revised Traceability Matrix rows to reference the testing for the switch from BAM feed to Workday / Fieldglass: Run ID 233 executed against CMMS VAL in ALM15 (Domain:POIT; Project: CMMS) (for re-validation of that integration), per CHG0103628:   * BR 9.2 - FR 6.8.3 - DS8-03 * BR 10.1 - FR 6.9.1 - DS9-01 |
| 61.0 | Added references to VAL executed Run ID 306 for re-validation of CMMS integrations around Purchase Orders per CHG0114152 - *Purchase Order record synchronization - 2022 CMMS-side re-Validation of Oracle EBS-Middleware-CMMS integration*:   * BR 6.5 - GFR-001 - DSG01-01 * BR 6.5 - GFR-002 - DSG01-02 * BR 6.2 - REQ-001 - DSG04-01 * BR 6.2 - REQ-001 - DSG04-02 |
| 62.0 | Updated the following requirements prior to OQ testing for CHG0121659   * UR-REG-35 – FS-REG-35 – DS-REG-35   + **OQ Test ID** **215** * BR 3.13 – FR 6.3.12 – DS3-12.1   + **OQ Test ID 216** * BR 4.20 – FR 6.4.35 – DS4-35   + **OQ Test ID 216** * UR-REG-05 – FS-REG-05 – DS-REG-05   + **OQ Test ID 217** * BR 7.9 – FR 6.11.18 – DS 11-19   + **OQ Test ID 218** |
| 63.0 | Updated the following requirements post OQ testing for CHG0121659   * UR-REG-35 – FS-REG-35 – DS-REG-35   + OQ Test ID 215 with run id 316 * BR 3.13 – FR 6.3.12 – DS3-12.1   + OQ Test ID 216 with run id 317 * BR 4.20 – FR 6.4.35 – DS4-35   + OQ Test ID 216 with run ID 317 * UR-REG-05 – FS-REG-05 – DS-REG-05   + OQ Test ID 217 with run ID 318 * BR 7.9 – FR 6.11.18 – DS 11-19   + OQ Test ID 218 with run ID 319 |
| 64.0 | Updated the following requirement pre-testing for backup and recovery change CHG0124552   * UR-REG-11 – FS-REG-11 – DS-REG-11   + Backup and Restore Test ID 219 added |
| 65.0 | Updated the following requirement pre-testing for backup and recovery change CHG0124552   * UR-REG-11 – FS-REG-11 – DS-REG-11   + Backup and Restore Run ID 323 added for Test ID 219 |
| 66.0 | Updated Traceability Matrix to map specifications to associated functional testing planned for CHG0125962 – CMMS patching to 202211 build:  Test ID 167:   * BR 3.5 - FR 6.3.4 - DS3-04 * BR 3.5 - FR 6.3.5 - DS3-05 * BR 3.3 - FR 6.3.6 - DS3-06 * BR 3.4 - FR 6.3.7 - DS3-07 * BR 3.3 - FR 6.4.17 - DS4-17 * BR 5.16 - FR 6.5.7 - DS5-07 * BR 5.6 - FR 6.5.13 - DS5-13 * BR 5.8 - FR 6.5.15 - DS5-15 * BR 3.21 - FR 6.3.20 - DS3-20 * BR 3.22 - FR 6.3.21 - DS3-21 * BR 3.32 - FR 6.3.31 - DS3-31 * BR 3.33 - FR 6.3.32 - DS3-32 * BR 4.18 - FR 6.4.33 - DS4-33 * BR 7.11 - FR 6.11.11 - DS11-11 * BR 3.45 - FR 6.3.45 - DS3-45 * BR 4.46 - FR 6.4.61 - DS4-61   Test ID 169:   * BR 3.1 - FR 6.3.1 - DS3-01 * BR 3.2 - FR 6.3.8 - DS3-08 * BR 3.1 - FR 6.4.12 - DS4-12 * BR 3.1 - FR 6.5.4 - DS5-04 * BR 3.1 - FR 6.9.4 - DS9-04 * BR 3.13 - FR 6.3.12 - DS3-12 * BR 3.14 - FR 6.3.13 - DS3-13   Test ID 172:   * BR 4.10 - FR 6.1.2 - DS1-02 * BR 3.12 - FR 6.3.11 - DS3-11 * BR 3.25 - FR 6.3.24 - DS3-24 * BR 3.26 - FR 6.3.25 - DS3-25 * BR 3.29 - FR 6.3.28 - DS3-28 * BR 3.30 - FR 6.3.29 - DS3-29 * BR 3.31 - FR 6.3.30 - DS3-30 * BR 3.35 - FR 6.3.34 - DS3-34 * BR 3.35 - FR 6.3.34 - DS3-60 * BR 3.36 - FR 6.3.35 - DS3-35 * BR 3.38 - FR 6.3.37 - DS3-37 * BR 3.39 - FR 6.3.38 - DS3-38   Test ID 158:   * BR 1.6 - FR 6.2.6 - DS2-06 * BR 3.7 - FR 6.4.1 - DS4-01 * BR 3.9 - FR 6.4.2 - DS4-02 * BR 4.1 - FR 6.4.8 - DS4-08 * BR 4.2 - FR 6.4.9 - DS4-09 * BR 4.11 - FR 6.4.15 - DS4-15 * BR 4.4 - FR 6.4.16 - DS4-16 * BR 4.6 - FR 6.4.19 - DS4-19 * BR 3.18 - FR 6.3.17 - DS3-17 * BR 3.19 - FR 6.3.18 - DS3-18 * BR 3.28 - FR 6.3.27 - DS3-27 * BR 4.12 - FR 6.4.27 - DS4-27 * BR 4.13 - FR 6.4.28 - DS4-28 * BR 4.15 - FR 6.4.30 - DS4-30 * BR 4.33 - FR 6.4.48 - DS4-48 * BR 4.34 - FR 6.4.49 - DS4-49 * BR 7.13 - FR 6.11.13 - DS11-13 * BR 3.40 - FR 6.3.40 - DS3-40 * BR 3.48 - FR 6.3.48 - DS3-48 * BR 3.49 - FR 6.3.49 - DS3-49   Test ID 152  Run ID 384:   * BR 3.34 - FR 6.3.33 - DS3-33 * BR 4.41 - FR 6.4.56 - DS4-56 * BR 4.42 - FR 6.4.57 - DS4-57 * BR 4.43 - FR 6.4.58 - DS4-58 * BR 4.44 - FR 6.4.59 - DS4-59 * BR 4.45 - FR 6.4.60 - DS4-60 * BR 10.2 - FR 6.9.9 - DS9-9   Test ID 210:   * BR 3.10 - FR 6.1.11 - DS1-11   Test ID 159:   * BR 3.6 - FR 6.3.9 - DS3-09 * BR 3.6 - FR 6.3.10 - DS3-10 * BR 4.9 - FR 6.4.22 - DS4-22 * BR 4.47 - FR 6.4.62 - DS4-62   Test ID 161:   * BR 3.15 - FR 6.3.14 - DS3-14 * BR 3.16 - FR 6.3.15 - DS3-15 * BR 3.17 - FR 6.3.16 - DS3-16 * BR 3.20 - FR 6.3.19 - DS3-19 * BR 3.24 - FR 6.3.23 - DS3-23 * BR 4.20 - FR 6.4.35 - DS4-35 * BR 4.21 - FR 6.4.36 - DS4-36 * BR 4.22 - FR 6.4.37 - DS4-37 * BR 4.23 - FR 6.4.38 - DS4-38 * BR 4.24 - FR 6.4.39 - DS4-39 * BR 4.26 - FR 6.4.41 - DS4-41 * BR 4.27 - FR 6.4.42 - DS4-42 * BR 4.28 - FR 6.4.43 - DS4-43 * BR 4.29 - FR 6.4.44 - DS4-44 * BR 4.30 - FR 6.4.45 - DS4-45 * BR 4.32 - FR 6.4.47 - DS4-47 * BR 4.36 - FR 6.4.51 - DS4-51 * BR 4.37 - FR 6.4.52 - DS4-52 * BR 4.38 - FR 6.4.53 - DS4-53 * BR 4.39 - FR 6.4.54 - DS4-54 * BR 4.40 - FR 6.4.55 - DS4-55 * BR 7.14 - FR 6.11.14 - DS11-14   Test ID 221:   * BR 1.12 - FR 6.2.4 - DS2-04 * BR 4.33 - FR 6.4.48 - DS4-48 * BR 4.49 - FR 6.4.64 - DS4-64 * BR 4.50 - FR 6.4.65 - DS4-65 * BR 7.2 - FR 6.1.7 - DS1-07 * BR 6.1 - REQ-003 - DSG04-03 |
| 67.0 | Updated Traceability Matrix to map specifications to associated OQ test runs for CHG0125962 – CMMS patching to 202211 build. |
| 68.0 | Updated Trace Matrix to ensure that Run ID’s for verification of CR CHG0067632, CHG0046471, CHG0048273, CHG0052242, and CHG0061925 were mapped to respective specifications, per CAPA 497278.  This included the following Run ID for CHG0067632:167, 172, 174, 175, 180, 186, 194, 195, and 201.  Note that the following Test Runs do not map to any CMMS functional specifications because these test runs exclusively serve as verification of successful data migration and do not include functional testing:   * Run ID 166 (VAL) and 222 (PROD) (both from Test ID 150) for CHG0067632 * Run ID 127 (VAL) and 129 (PROD) (both from Test ID 127) for CHG0052242 |
| 69.0 | Mapped testing per planned VAL for CHG0137843 to the following new UR, FS, and DS:  - BR 1.14, FR 6.1.13, DS1-13  - BR 1.15, FR 6.1.14, DS1-14  - BR 1.16, FR 6.1.15, DS1-15  - BR 1.17, FR 6.1.16, DS1-16  - BR 1.18, FR 6.1.17, DS1-16  - BR 3.55, FR 6.3.64, DS3-60  - BR 3.56, FR 6.1.18, DS1-17  - BR 3.57, FR 6.1.19, DS1-16  - BR 3.58, FR 6.3.65, DS3-61  - BR 3.59, FR 6.3.66, DS3-62  - BR 3.60, FR 6.1.13, DS1-13  - BR 3.61, FR 6.1.14, DS1-14  - BR 3.62, FR 6.3.67, DS9-17  - BR 3.63, FR 6.3.68, DS9-18  - BR 3.64, FR 6.3.69, DS1-14  - BR 4.51, FR 6.4.68, DS4-70  - BR 4.52, FR 6.4.69, DS4-71  - BR 4.53, FR 6.4.70, DS4-71  - BR 4.54, FR 6.4.71, DS4-71  - BR 4.55, FR 6.4.72, DS4-71  - BR 4.56, FR 6.4.73, DS4-72  - BR 4.57, FR 6.4.73, DS4-72  - BR 4.58, FR 6.4.74, DS4-71  - BR 7.18, FR 6.11.19, DS11-19  - BR 7.19, FR 6.11.20, DS11-19  - BR 7.20, FR 6.11.21, DS11-19  - BR 7.21, FR 6.11.22, DS11-19  - UR-REG-09 (existing), FS-REG-09 (existing), DS-REG-37  - UR-REG-33 (existing), FS-REG-33 (existing), DS-REG-33 (existing)  - UR-REG-04 (existing), FS-REG-04 (existing), DS-REG-38 |
| 70.0 | Mapped functional testing and UAT executed in VAL for CHG0137843 to respective specifications (corresponding to planned testing mapped in previous revision):  **OQ/UAT Test ID: Passed Run ID:**   * 232 361 * 233 367 * 234 376 * 235 377 * 236 378 * 239 379 * 240 365 * 241 368 * 242 369 * 246 380 * 247 381   Mapped testing per planned VAL for CHG0142576 to the following UR, FS, and DS:  - BR 3.34, FS 6.3.33, DS3-33 - Test ID 257  - BR 4.41, FS 6.4.56, DS4-56 - Test ID 257  - BR 4.42, FS 6.4.57, DS4-57 - Test ID 257  - BR 4.42, FS 6.4.57, (revised) DS4-73 - Test ID 257  - BR 4.45, FS 6.4.60, DS4-60 - Test ID 257  - BR 10.2, FS 6.9.9, DS9-9 - Test ID 257  - BR 4.42, FS 6.4.57, (new) DS4-73 - Test ID 257 |
| 71.0 | Updated the following requirement pre-testing for backup and recovery change CHG0144212   * UR-REG-11 – FS-REG-11 – DS-REG-11   + Backup and Restore Test ID 219 added |
| 72.0 | Mapped functional testing and UAT executed in VAL for CHG0142576 to respective specifications (corresponding to planned testing mapped in previous revision):  **OQ Test ID: Passed Run ID:**   * 257 383 * 152 384 |
| 73.0 | Update required to the CR# referenced in rev 72.0 of the revision history table. |
| 74.0 | Mapped the executed 2023 CMMS Backup and Restore testing, tracked in ServiceNow CR# CHG0144212.  Test ID: 219 – Run ID: 385 |
| 75.0 | Mapped planned VAL testing for CHG0148750 (CMMS 2024 Bucket Change 1) to associated specifications:   * BR 8.1 - FR 6.2.2 - DS2-02 (existing)   Added the following new FR:   * FR 6.7.9   Added the following new DS:   * DS1-07-1 * DS13-01 * DS1-18   Added OQ Test ID’'s for the following requirements for CHG0148750   * UR-REG-36 / FS-REG-36 / DS-REG-36 * BR 7.2 / FR 6.1.7 / DS1-07-1 * BR 4.3 / FR 6.4.10 / DS4-68 * BR 8.1 / FR 6.7.9 / DS13-01 * BR 9.2 / FR 6.8.3 / DS8-03 * BR 3.1 / FR 6.3.1 DS3-01 * BR 4.50 / FR 6.4.65 / DS4-65 * BR 8.1 / FR 6.7.2 / DS7-01 * BR 10.1 / FR 6.1.9 / DS1-18   Added UAT Test ID’s for the following requirement for CHG0148750:   * BR 4.50 / FR 6.4.65 / DS4-65 |
| 76.0 | TM updated with mapped planned testing for CMMS AWS RDS to EC2 cloud migration (CHG0149451):   * ALM testing mapped to associated specifications:   + Test ID: 276 |
| 77.0 | **CHG0148750** (CMMS 2024 Bucket Change 1):    Added OQ Run ID 406 for Test ID 261 for the following requirements for CHG0148750   * UR-REG-36 / FS-REG-36 / DS-REG-36 * BR 7.2 / FR 6.1.7 / DS1-07-1 * BR 4.3 / FR 6.4.10 / DS4-68 * BR 8.1 / FR 6.7.9 / DS13-01 * BR 9.2 / FR 6.8.3 / DS8-03 * BR 3.1 / FR 6.3.1 DS3-01 * BR 4.50 / FR 6.4.65 / DS4-65 * BR 8.1 / FR 6.7.2 / DS7-01 * BR 10.1 / FR 6.1.9 / DS1-18 * UR-REG-22 / FS-REG-22 / DS7-01     Added UAT Run ID 407 for Test ID 275 the following requirement for CHG0148750:   * BR 4.50 / FR 6.4.65 / DS4-65 |
| 78.0 | TM updated with mapped Run ID for executed testing for CMMS AWS RDS to EC2 cloud migration (CHG0149451):   * ALM test runs mapped to associated specifications:   + Test ID: 276 – Run ID: 419   TM updated with planned specification changes and mapped planned testing for CMMS v11.6 to v12.1 upgrade (CHG0148206)   * Specification changes:   + BR 3.15 (existing) - FR 6.3.58 (new) - DS3-63 (new) * ALM testing mapped to associated specifications:   + Test ID: 219   + Test ID: 271   + Test ID: 276   + Test ID: 284   + Test ID: 102   + Test ID: 144   + Test ID: 154   + Test ID: 179   + Test ID: 181   + Test ID: 183   + Test ID: 233   + Test ID: 246   + Test ID: 247   + Test ID: 152   + Test ID: 277   + Test ID: 154   + Test ID: 155   + Test ID: 156 |
| 79.0 | TM updated with mapped Run ID for executed testing for CMMS Application Upgrade 2024 (CHG0148206) - ALM test runs mapped to associated specifications:   * Test ID: 219 – Run ID 458 * Test ID: 271 – Run ID 437 * Test ID: 276 – Run ID 438 * Test ID: 284 – Run ID 443 * Test ID: 102 – Run ID 444 * Test ID: 144 – Run ID 446 (Steps 1 - 12), 447 (Steps 13 - 23), 455 (Steps 24 – 31; note that Run ID 455 was to complete the required test script execution, and otherwise does not map to any specifications because the steps passed in Run ID 455 do not provide coverage over any required testing for CHG0148206) * Test ID: 154 – Run ID 441 * Test ID: 179 – Run ID 452 (Steps 1 - 25), 453 (Steps 25 - 48) * Test ID: 181 – Run ID 451 * Test ID: 183 – Run ID 454 * Test ID: 233 – Run ID 448 * Test ID: 246 – Run ID 449 * Test ID: 247 – Run ID 450 * Test ID: 152 – Run ID 442 * Test ID 277 – Following a departure encountered during Validation; references to Test ID 277 have been removed (Test ID 153 was deployed instead). * Test ID: 153 (added per a departure encountered during Validation) – Run ID 439 * Test ID: 155 – Run ID 440 * Test ID: 156 – Run ID 436 |
| 80.0 | Remediation per TRN 532269 Corrective Action – Periodic Review findings for CHG0121659, *CMMS 2022 Bucket Change*:  Updated the instance of design specification number DS11-19 that was added per CHG0121659, as follows:   * Old: FR 6.11.18 – DS11-19 * New: FR 6.11.18 – DS11-20   This is because “DS11-19” is in use by a different design specification - per TRN 532269 - remediation from Periodic Review findings) |
| 81.0 | TM updated with planned testing and specification updates per CHG0162272 (CMMS 2024 Bucket Change 2):   * Specification changes:   + (existing) BR 5.3 – (existing) FR 6.5.10 – (new) DS5-23   + (existing) BR 3.1 – (new) FR 6.3.70 – (new) DS3-64   + (existing) BR 3.10 – (existing) FR 6.1.11 – (revised) DS1-11   + (existing) BR 1.12 – (existing) FR 6.2.4 – (new) DS2-13   + (existing) UR-REG-04 – (existing) FS-REG-04 – (new) DS-REG-39   + (existing) UR-REG-34 – (existing) FS-REG-34 – (existing) DS-REG-34   + (existing) BR 1.7 – (existing) FR 6.2.7 – (new) DS2-12 * Mapped test scripts:   + Test ID: 297, 298 * In response to Deviation TRN 532116:   + DS1-11 has been revised – Start Date field will be protected against editing on PM, PMCAL, and REM Work Orders; and Due Date field will be protected against edition on PMCAL Work Orders. * In response to CAPA TRN 533353 (Deviation TRN 531890):   + DS-REG-39 has been introduced: An option on PM Schedules will be provisioned to assert QA post-review for Work Order Types PM, PMCAL, and REM.   + DS-REG-34 (existing): Audit trailing for the aforementioned new PM Schedule control. * In response to CAPA TRN 533669 (Deviation TRN 532952):   + DS5-04 (existing) and DS5-03 (existing): Permissions to update Part numbers will be revoked for all users. |
| 82.0 | TM updated per completion of Validation testing for CHG0162272 (CMMS 2024 Bucket Change 2) – Run ID of functional testing for all changes were mapped to relevant specifications.  Functional testing Run ID:   * Test ID: 297 – Import process changes:   + Run ID 484 - (no Steps passed)   + Run ID 487 - Steps 1 – 14   + Run ID 492 - Steps 15 – 74 * Test ID: 298 – Application changes:   + Run ID 485 - Steps 1 – 22   + Run ID 489 - Steps 23 – 44   + Run ID 490 - Steps 45 – 47 |