Prudential®

ICM Interface

BP010 - System Administration



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| --- | --- | --- |
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Table of Contents

[1. Use Cases 5](#_Toc105687490)

[1.1 SAD003 Download Hierarchy 5](#_Toc105687491)

[1.2 SAD004 Upload Hierarchy 5](#_Toc105687492)

[1.3 SAD008 View Master Audit List 7](#_Toc105687493)

[1.4 SAD009 Refresh Master Audit List 8](#_Toc105687494)

[1.5 SAD010 Filter Master Audit List 9](#_Toc105687495)

[1.6 SAD011 Download Master Audit List 10](#_Toc105687496)

[1.7 SAD012 Text Search in the Master Audit List 11](#_Toc105687497)

[1.8 SAD013 View Process Overview 12](#_Toc105687498)

[1.9 SAD014 Filter Process Overview 20](#_Toc105687499)

[1.10 SAD015 Manually marking Runs as Failed 21](#_Toc105687500)

[1.11 SAD017 View Queue Balancer 23](#_Toc105687501)

[1.12 SAD018 Cancel Process 25](#_Toc105687502)

[1.13 SAD019 Change Queue Position 26](#_Toc105687503)

[1.14 SAD020 View Historical Data Load Balancer 27](#_Toc105687504)

[1.15 SAD021 Download Historical Data 28](#_Toc105687505)

[1.16 SAD022 Set Configuration Parameters 29](#_Toc105687506)

[1.17 SAD024 Download Run Log 35](#_Toc105687507)

[1.18 SAD025 View Tags Overview 35](#_Toc105687508)

[1.19 SAD026 Create Tags 37](#_Toc105687509)

[1.20 SAD027 Modify Tags 40](#_Toc105687510)

[1.21 SAD028 Delete Tag 43](#_Toc105687511)

[1.22 SAD029 Download Tag Usage Information 44](#_Toc105687512)

[1.23 SAD030 Download Post-run Manifest File 45](#_Toc105687513)

[1.24 SAD041 View Status Page 46](#_Toc105687514)

[1.25 SAD044 Download BU Reports Permissions Table 48](#_Toc105687515)

[1.26 SDS045 Create RSG Static Data 49](#_Toc105687516)

[1.27 SDS046 View RSG Static Data 51](#_Toc105687517)

[1.28 SDS047 Export Static Data set 53](#_Toc105687518)

[1.29 SDS048 Add (Create) RAFM Base Engine Code base(s) to the ‘whitelist’ 54](#_Toc105687519)

[1.30 SDS049 View ‘whitelist’ RAFM Base Engine Code Bases 56](#_Toc105687520)

[1.31 SDS051 Modify ‘whitelist’ RAFM Base Engine Code base(s) 57](#_Toc105687521)

[1.32 SDS052 Create ‘whitelist’ BU Bridge Aggregator Code Base Management 58](#_Toc105687522)

[1.33 SDS053 View ‘whitelist’ BU Bridge Aggregator Code base(s) 59](#_Toc105687523)

[1.34 SDS055 Modify ‘whitelist’ BU Bridge Aggregator Code base(s) 60](#_Toc105687524)

[1.35 SDS056 Create Pools for RAFM 61](#_Toc105687525)

[1.36 SDS057 Modify Pool 62](#_Toc105687526)

[1.37 SAD058 Enable Pool(s) 64](#_Toc105687527)

[1.38 SAD059 Disable Pool(s) 65](#_Toc105687528)

[1.39 SDS060 View Pool(s) 65](#_Toc105687529)

[1.40 SAD061 Delete Pool(s) 66](#_Toc105687530)

[1.41 SAD035 Enable a Server on Status screen 67](#_Toc105687531)

[1.42 SAD036 Disable a Server on Status Screen 68](#_Toc105687532)

[1.43 SAD062 Create Task runner configuration 68](#_Toc105687533)

[1.44 SAD063 Modify Task runner configuration 72](#_Toc105687534)

[1.45 SAD064 View Task runner configuration 73](#_Toc105687535)

[1.46 SAD065 Delete a Task runner configuration 75](#_Toc105687536)

[1.47 SAD066 Download Template File 76](#_Toc105687537)

[1.48 SAD067 Create RAFM configuration 77](#_Toc105687538)

[1.49 SAD068 Modify RAFM configuration 78](#_Toc105687539)

[1.50 SAD069 View RAFM configuration 80](#_Toc105687540)

[1.51 SAD070 Delete RAFM configuration 81](#_Toc105687541)

[1.52 SAD071 View Confidence Interval profiles summary Table 82](#_Toc105687542)

[1.53 SAD071 Create Confidence Intervals profile 83](#_Toc105687543)

[1.54 SAD072 Publish / Unpublish Confidence Intervals Profile 84](#_Toc105687544)

[1.55 SAD073 Filter Confidence Interval Profiles 85](#_Toc105687545)

[1.56 SAD074 Download a Confidence Intervals Profile 86](#_Toc105687546)

[2. Appendices 87](#_Toc105687547)

[I. Hierarchy Tree File 87](#_Toc105687548)

[II. BU Reports Permission Table. 88](#_Toc105687549)

[III. Static Data Validation: 89](#_Toc105687550)

[IV. Static Data Export file format and specifications: 90](#_Toc105687551)

[V. Task Runner Exit codes and ICM actions: 91](#_Toc105687552)

[VI. Template File 94](#_Toc105687553)

[VII. Risk Limit file 97](#_Toc105687554)

# Use Cases

## SAD003 Download Hierarchy

User Manager

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | There is an hierarchy stored in the system. |
| Post-condition | A file containing the hierarchy is available for the user |

|  |  |
| --- | --- |
| **Scenario** | |
| **Basic Path** | |
| Basic Path | 1. The user selects the option "Download Tree" from the Hierarchy menu in the user manager dashboard.  2. The system displays a confirmation message  3. The user selects the button "Download"  4. The browser takes over |
| **Alternate 3.1** | |
| Alternate | If the user selects the button "Cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-210 The system shall allow the user to download the hierarchy file**** | | | |
| The system shall download the file in the format it was uploaded. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD004 Upload Hierarchy

User Manager

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The previous hierarchy is deleted from the system |
| Post-condition | The new Hierarchy in the uploaded file is stored in the system |
| Post-condition | The users and entity structure nodes associated with the previous Hierarchy are associated with the new Hierarchy. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects the option "Upload Tree File" in the Hierarchy menu  2. The system displays a pop up window containing:      - Comments: free text format field      - Upload file: browse feature. It is mandatory.  3. The user fills in the requested fields.  4. The user selects the "Upload" button.  5.The system deletes the previous hierarchy and saves the new hierarchy. The system associates users and entity structure node associations from the previous tree with a node in the new tree if the node name of the old and new hierarchy is the same. |
| **Alternate 5.1** | |
| Alternate | The system displays an error message if the names of the nodes of the hierarchy are not unique. |
| **Alternate 5.2** | |
| Alternate | If there are users associated to nodes that do not exist in the new hierarchy the system displays a warning message, listing the unassociated users. The user can reassign the user to new nodes or delete the users or cancel the upload (in this case the use case is aborted). |
| **Alternate 5.3** | |
| Alternate | If there are nodes of entity structures associated to nodes of the current geographical hierarchy that do not exist in the new hierarchy the system gives an error. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-206 The system shall accept a hierarchy file in format .agg or .txt**** | | | |
| The system shall accept a file in the same format as the hierarchy tree files. See Appendix A | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-207 The system shall delete the previous hierarchy structure**** | | | |
|  | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-330 The system shall associate the users and entity structure nodes of the previous hierarchy with the new hierarchy**** | | | |
| The system shall associate users and entity structure nodes associated with nodes in the previous hierarchy to nodes with the same name in the new hierarchy. If there are users associated to nodes that are removed from the new hierarchy, the system shall allow the user to re-assign the users to new nodes or remove them. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-380 The system shall check that the names of the nodes of the hierarchy are unique.**** | | | |
|  | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD008 View Master Audit List

System Administration > Master Audit List

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The master audit list is displayed. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the master audit list |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-563 The system shall display the master audit list**** | | | |
| The system shall display the following information:  - Type: shows the type of the component (example: entity structure, lite model, etc...);  - Name: shows the name of the component;  - Version: shows the version of the component when available;  - User: userid and full name of user who performed action;  - Geography: Geography of the user who has performed the action;  - Event: type of action performed on the component;  - Local Date: date and time on which the action was performed in the local time zone of the user.  - System Date;  - Tag: tag(s) of the component. If the component has more than one, they are displayed as comma separated.  This column is empty for components of type Tag and User Manager.  - Archive status: archive status of the component.  Each line of the table is expandable, if expanded will show the comments entered when the action has been performed. The system shall display user and system comments. User comments are the comments entered by the user when the action was performed (when available). System comments add more details to the type of action.  The column System Date is by default hidden. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-564 The system shall create the master audit table when the user access the screen**** | | | |
| The system shall not refresh automatically when a new event is stored in the system. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD009 Refresh Master Audit List

System Administration > Master Audit List

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The master audit list is updated. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the master audit list.  2. The user selects the option refresh.  3. The system displays the updated master audit list. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-566 The system shall allow the user to filter the master audit list by type of component**** | | | |
| manager, aggregation rules, entity sets). following filters:  - Includes: free text. The system will search for the exact string to be included in the aggregation rule name.  - Excludes: free text box. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-567 The system shall allow the user to filter the master audit list by name of component**** | | | |
| - Includes: free text. The system will search for the exact string to be included in the name of the component.  - Excludes: free text box. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-568 The system shall allow the user to filter the master audit list by local date (local time)**** | | | |
| The system shall show the following:  - Start date;  - End date. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-569 The system shall allow the user to filter the master audit list by user**** | | | |
| The user will be able to select a complete user group or some users within a user group. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-571 The system shall allow the user to filter the master audit list by type of action**** | | | |
| The system shall allow the user to filter by the type of action performed on the component. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-806 the system shall allow the user to filter the master audit list by tag of the component**** | | | |
| The system shall allow the user to filter by tag of the component. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD010 Filter Master Audit List

System Administration > Master Audit List

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The master audit list is populated with at least one event |
| Pre-condition | The filters are enabled. |
| Post-condition | Only the events that match the filters applied are displayed in the master audit list. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1.The system displays the master audit list  2. The user selects the option "filter".  3. The system displays a pop up window containing the applicable filters.  4. The user enters the requested filters.  5. The user selects the button "Save".  6. The system applies the filters to the master audit list and displays only the entries that match the selected filters. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "Clear" the selected filters are deleted. The user selects "Save" for  the system to show the complete master audit list. |
| **Alternate 5.2** | |
| Alternate | If the user selects the button "Cancel" the use case is aborted. If the "Clear" button had been pressed the filter criteria that applied when the filter pop up window was opened will continue to apply. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-572 The system shall allow the user to download the master audit list in excel, csv or .pdf format**** | | | |
| The system shall provide the user with a file that has the following tabular format:  - Type of the component;  - Name of the component;  - Version (filled in only if available for the related component);  - User: userid and full name of user who performed action;  - Geography: Geography of the user who has performed the action;  - Event: type of action performed on the component;  - Local Date: date and time on which the action was performed in the local time zone of the user.  - System Date;  - System comments;  - User comments.  The order of the first 8 columns and the sorting should reflect the order, filtering and sorting defined on screen (if any of the columns is hidden, it should be excluded from the file). | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD011 Download Master Audit List

System Administration > Master Audit List

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The master audit list table is available for the user in the requested file format. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the master audit list.  2. The user selects the option "Download".  3. The system displays a pop up window with the available file formats.  4. The user selects the file format.  5. The user select the button "Download".  6. The browser takes over. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-572 The system shall allow the user to download the master audit list in excel, csv or .pdf format**** | | | |
| The system shall provide the user with a file that has the following tabular format:  - Type of the component;  - Name of the component;  - Version (filled in only if available for the related component);  - User: userid and full name of user who performed action;  - Geography: Geography of the user who has performed the action;  - Event: type of action performed on the component;  - Local Date: date and time on which the action was performed in the local time zone of the user.  - System Date;  - System comments;  - User comments.  The order of the first 8 columns and the sorting should reflect the order, filtering and sorting defined on screen (if any of the columns is hidden, it should be excluded from the file). | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD012 Text Search in the Master Audit List

System Administration > Master Audit List

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The master audit list is populated with at least one event. |
| Post-condition | Only the events that contain the text indicated by the user are displayed in the master audit list. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the master audit list.  2. The user enters a text in the text search box.  3. The user selects the option "Search".  4. The system applies the filter to the master audit list and displays only the entries that includes the text entered by the user. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-573 The system shall allow the user to filter the master audit list by text search**** | | | |
| The system shall display only the entries of the master audit list that includes the text indicated by the user. The system shall perform the search also in system and user comments.  The text search is not applicable for the following fields: "version", "type of action" and "local time". | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD013 View Process Overview

System Administration -> Process Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The process overview is displayed to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the process overview. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-574 The system shall allow the user to view the process overview** | | | |
| The ‘Process Overview Table’ from ‘Process Overview’ screen should have the following columns (by order):     * Run ID * Run Category * Status * Error ID * Error Description * User ID * User Full Name * Run Submission * Run Start * Run End * RSG Version * BatchID * Stoch Scenario Set * Shredding * Risk Limits * Risk Metric * FX Aggregation Method * Go To   **1. RunID**: runID of the process; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs andPost-processing runs. For the batch ICM runs which are triggered via ‘Run Stoch & CS’ functionality, there shall be individual RunID for all 3 run records (stochastic run, critical scenario generation run, critical scenario run) of the batch run.  **2. Run Category**: type of the calculation environment; possible values are ICM Runs/ RSG Instruction Set runs/ RSG standalone runs/Post-Processing runs;   * ICM Run shall be populated for Assumption set runs including assumption set batch runs. * RSG Standalone shall be populated for RSG standalone scenario set runs * RSG Instruction Set shall be populated for the runs used for generation of RSG Instruction set from Scenario assumption sets. * Post-Processing - shall also be populate for BU Trimming Assumption Set runs.   **4. Status**: shows the status of the process; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone and Post-processing runs;  **5. ErrorID**: this field it is populated with the errorID of the occurred error if the run fails; it is a unique number; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs and Post-processing runs;  **6. Error Description**: it is populated only when an errorID is displayed; shows the description of the error; this field applies to ICM Runs, RSG Instruction Set runs and RSG Standalone runs only;  **7. UserID:** userid of user who performed the action; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs and Post-processing runs;  **8. User Full Name**: full name of user who performed the action; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs, and Post-processing runs;  **9. Run Submission:** timestamp; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs and Post-processing runs;  **10. Run Start:** timestamp; this field applies to ICM Runs, RSG Instruction Set runs, RSG Standalone runs and Post-processing runs;  **11.** **Run End:** timestamp, displays the time when the run has completed; this field applies for only ICM Runs , RSG Instruction Set runs, RSG Standalone runs and Post-processingruns;  **13. BatchID** (Applicable for runs which are triggered via ‘Run Stoch & CS’ functionality. For all the other runs, the field is blank);  This field applies to only Assumption set batch ICM runs;  **14. Shredding**: displaying the shredding type selected for the selected assumption set run. If more than one, displayed as comma separated. The column shredding type will only be populated for those assumption sets for which the scenario set purpose is:   * Base Stoch * What-if-Stoch * Proj Stoch; * Base CS Batch * What-if CS Batch * Proj-CS Batch   This field applies to ICM Runs only  **15. Risk Limits**: Possible values: Yes (for runs using risk limit settings uploaded by the user); No (for runs using default risk limit settings);  This field applies to ICM Runs only  **16. Risk Metric**: Possible values: Yes, No;  **17. FX Aggregation method**   * Deterministic * Stochastic;   This field applies to ICM runs only  **18. Main Run ID:** Applicable only formulti shred assumption set run i.e**.** single base stochastic assumption set runs which includes a multi shred element selection **with or without** the base stochastic.  System shall display the Main Run ID of the multi shred assumption set run in this field.  **20. Go To**:   * For ICM Runs : link to the assumption set page (the component from which the run has been triggered selected and filtered to just highlight this one set.). * For multi shred ICM runs : Go-To link shall be available for each Run ID of the multi shred run i.e. one for the base stochastic run without shred (if selected) and one for each selected shred.   The link shall redirect to assumption set page, (the associated component (Run ID) from which the run record has been triggered and filtered to just highlight this one set).   * For Batch ICM runs:   There shall be three run records in the process overview screen:   * Main Stochastic run record; * Critical scenario ICM run record; * Critical Scenario generation run record;   GoTo link for above three run records shall link to the following:   * For main stochastic run record, link to assumption set page, (the component from which the run has been triggered selected and filtered to just highlight this one set). * For critical scenario run record, link to assumption set page, (the component from which the run has been triggered selected and filtered to just highlight this one set). * For critical scenario generation record, link to scenario set screen and critical scenario record which is generated from the run should be selected already and filtered to just highlight this one set.   The link will redirect to:   * + The run’s geography in case of top-level users.   + The current geography for the other users. * For scenario set RSG standalone runs: link to the scenario set page. (the component from which the run has been triggered should be selected already).   The link will redirect to:   * + The run’s geography in case of top-level users.   + The current geography for the other users. * For Post-processing runs, link to the Assumption set run (Assumption Set > Runs Table) from which the Post-processing run has been triggered. Clicking on the link will open the ‘Assumption Sets’ tab with the Assumption Set run (in Runs Table) from which the ‘Post-processing’ job has been triggered selected.   The link will redirect to:   * + The run’s geography in case of top-level users.   + The current geography for the other users.   The Go-To link will be visible if the following conditions are true:   * + Permissions Condition The user has the relevant permission (“BU Reports User”) for the Geography from which the ARA run was originally triggered. AND   + User Type Condition The user is currently connected to the same geography as the Post-processing run’s geography OR the user is a top-level user. AND   + Assumption Set Visibility Condition: The linked Assumption Set is published and visible to Post-processing run’s geography. * For RSG Instruction Set runs: the link to Scenario Assumption Set (RSG Generation > Scenario Assumption Sets sub-tab) from which the RSG Instruction Set run has been triggered.   Clicking on the link will open the RSG Generation > Scenario Assumption Sets sub-tab with the Scenario Assumption Set (in summary table) from which the RSG Instruction Set run has been triggered selected and filtered to just highlight this one set.  This table is populated with the information concerning all the processes running, completed or failed that are stored in the system.  The system will display a general message if the error is not aligned to the standards. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-575 The system shall display the run activity in the Batch event table** | | | |
| The ‘Activity Events Table’ for ‘Process Overview’ screen should have the following columns (by order):     1. Event Id 2. Event Time Local 3. Event Time System (the column should be hide by default) 4. Server 5. Event Type 6. Component 7. Subcomponent 8. Message     This table provides a hierarchical display of the running batch for the selected Event Id.  The screen will automatically be updated with all the steps of the batch while it is being processed.    If an error occurs the system will show all the information stored in the log file or the list of errors collected from the Activity Monitoring framework.    For more details on the Activity Monitoring framework refer to the TA.    By default, this table is empty. The system shall populate it when a RunID from the process overview it is selected. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **Release 5.5.7.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-1038 The system shall record the following events for the Post-processing runs in the Activity Events Table.** | | | |
| The system shall populate the following information in ‘Activity Event table’ for Post-processing runs:   * **Event Id:** System generated unique Event Id corresponding to each event in ‘Message’ column. * **Event Time Local:** timestamp; when the event was started as per the local time zone of the user who triggered the Post-processing run; * **Server:** Name of the Post-processing   Resource (Server) in use for running the Post-processing Job.   * **Event Type:** “Info” or “Error” * **Component:** “SF”, because the job will be run on SF servers * **Subcomponent:** “SBS”, because the job will be run on SF servers * Message:  1. For Event Type “Info” system will record the events:  * ***BU reports trimming*** ***starte*d*:*** When the ‘Post-processing Resource’ initiates the ‘BU Reports Trimming’ Script execution. * ***BU reports trimming*** ***in progress*:** When the Post-processing Job is in progress (i.e. after securing an ‘Post-processing Resource’ (server). * ***BU reports trimming*** ***Completed***: When the ‘BU Reports Trimming’ script execution is successfully completed.  1. For Event Type “Error”, error message shall be recorded.   There can be other intermediate Event Types recorded by the system. | **Status** | : | **Open** |
| **RQ-1080 The system shall record the following events for the** RSG Instruction Set **runs in the Activity Events Table.** | | | |
| The system shall populate the following information in ‘Activity Event table’ for RSG Instruction Set runs:   * **Event Id:** System generated unique Event Id corresponding to each event in ‘Message’ column. * **Event Time Local:** timestamp; when the event was started as per the local time zone of the user who triggered the RSG Instruction Set run; * **Server:** Name of the   Resource (Server) in use for running the RSG Instruction Set Job.   * **Event Type:** “Info” or “Error” * **Component:** “SF”, because the job will be run on SF servers * **Subcomponent:** “SBS”, because the job will be run on SF servers * Message:  1. For Event Type “Info” system will record the events:  * ***RSG Instruction set generation Job starte*d*:*** When the RSG Instruction Set run initiates * ***RSG Instruction set generation Job in progress*:** When the RSG Instruction Set run is in progress (i.e. after securing an ‘Resource’ (server). * ***RSG Instruction set generation Job Completed***: When the RSG Instruction Set run is successfully completed.  1. For Event Type “Error”, error message shall be recorded.   There can be other intermediate Event Types recorded by the system. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-2067 The system shall display the following status of the RSG Instruction set runs in the Process overview table.** | | | |
| System shall show the following statuses for the RSG Instruction set runs in the process overview table.   * **Processing:** This is the normal processing stage of a run. * **Completed:** The RAFM Base Engine returns the output required from the run and provides a status of ‘Completed’. * **Failed:** The RAFM Base Engine returns output with a status of ‘Completed with warnings’ or ‘Failed’ * **Cancelled:** When the queued RSG Standalone run is cancelled before processing. * **Invalidated:** when the run is completed, if the modification occurs during the "Processing" status of the run. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2066 The system shall record the following events for the ICM runs and RSG Standalone runs in the Activity Events Table.** | | | |
| The system shall populate the following information in ‘Activity Event table’ for ICM runs and RSG Standalone runs:   * **Event Id:** System generated unique Event Id corresponding to each event in ‘Message’ column. * **Event Time Local:** timestamp; when the event was started as per the local time zone of the user who triggered the Post-processing run; * **Server:** Name of the Post-processing   Resource (Server) in use for running the Post-processing Job.   * **Event Type:** “Info” or “Error” * Component: “SF” * Subcomponent: “SBS” * Message:  1. For Event Type “Info” system will record the events:    * + - * ***RAFM Job starte*d*:*** When the RAFM run initiates          * ***RAFM Job in progress*:** When the RAFM run is in progress (i.e. after securing an ‘Resource’ (server).          * ***Completed Successfully***: When the RAFM run is successfully completed. 2. For Event Type “Error”, error message shall be recorded.   There can be other intermediate Event Types recorded by the system. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-2067 The system shall display the following status of the ICM runs and RSG standalone runs in the Process overview table.** | | | |
| System shall show the following statuses for the ICM runs and RSG standalone in the process overview table.   * **Processing:** This is the normal processing stage of a run and is displayed from when the RAFM is processing the ICM run. * **Completed:** The RAFM TaskRunner returns the output required from the run and provides a status of ‘Completed’. * **Failed:** The RAFM TaskRunner return output with a status of ‘Completed with warnings’ or ‘Failed’ * **Cancelled:** When the queued run is cancelled before processing. * **Invalidated:** when the run is completed, if the modification occurs during the "Processing" status of the run   Please refer to [*Appendix : RAFM Task Runner Exit codes and ICM action*](https://secondfloorr-my.sharepoint.com/personal/i_sherwani_secondfloor_com/Documents/Desktop/10351758_739317162773346_5579843077577357392_n.jpg)*,* on more details on RAFM Task runner responses over various incidents and corresponding RAFM Exit codes for populating status of the run the system. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2067 The system shall display the three run records (lines) in process overview for each batch ICM run** | | | |
| System shall show three records of the batch runs(assumption sets) in the process overview table:   * Main Stochastic run record; * Critical scenario run record; * Critical Scenario generation run record.   All three records shall have the different runID allocated.  Each record for each step of the batch will be updated individually by the system in the process overview and each run record will show the same status on the individual run record at the same time. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2290 The system shall create multiple run records for multi shred ICM runs** | | | |
| For multi shred ICM runs i.e.:   * a single base stochastic assumption set run (ICM run) which includes a single/multiple stochastic shred(s) **without** the base stochastic or * a single base stochastic assumption set run which includes a single/multiple stochastic shred(s) **with** the base stochastic.   The system will create multiple Run IDs, one for the base stochastic run without shred (if selected) and one for each selected shred.  System will still perform a single Task Runner execution.  *(Refer Assumption set BP for more details on Task runner execution)*  The first Run ID will always be:   * the base stochastic run (if selected) or * the first alphabetical selected shred if base stochastic is not selected as part of run.   This first Run ID shall be designated as a Main Run ID. Other Run IDs represent logical assumption set runs and they are always associated with their Main Run ID.  Each Run ID (Main Run ID and logical Run IDs) will be visible in the Process overview table. Logical Run IDs will have their Main Run ID shown in the Main Run ID column. The Main Run ID will have an empty Main Run ID value.  Each Run ID (Main Run ID and its logical Run IDs) will be created simultaneously. When user triggers the run with multiple shreds (or with combination of base and shred(s)) the logical Run IDs will always show the execution status of the Main Run ID. For example, if the Main Run ID goes to status ‘Processing’ then all logical Run IDs shall go to status ‘Processing’. If the main run fails due to some error or is manually marked as failed by user, then all associated logical runs will also be marked as failed by system.  *(Refer Use Case SAD015 for more details on manually marking run as failed by user.)*  If the Main Run ID is cancelled by user (in Queue Balancer) then all run records associated to multi shred run (main and logical run records) shall be created in the Process Overview screen and status of all shall be updated as “Cancelled”. The status of the logical Run ID(s) will always reflect the status of the Main Run ID. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |

## SAD014 Filter Process Overview

System Administration > Process Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The Process Overview Table is populated with at least one process |
| Post-condition | Only the processes that match the filters criteria applied are displayed in the Process Overview Table. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1.   The system displays the Process Overview Table summary grid.  2.   User clicks on the required column header.  3.   System displays the column menu with list of options.  4.   The user selects the option "Filter" from the drop-down list.  5.   The system displays another drop-down list with possible values for the selected column header.  6.   User checks/selects/enters the required filters for the column header.  7.   User checks if he wants to apply filters to other columns headers:  a)    If Yes, the user returns to point no. 2.  b)   If No, user moves to point no. 8.  8.   User clicks on the “Apply all Filters” button  9.   The system applies the filters to the overview screen and displays only the entries that match the filters criteria for selected columns. |
| **Alternate 7.1** | |
| Alternate | User checks the Filter checkbox (on column menu); the system applies the selected filters to the overview screen and displays only the entries that match the filter criteria for selected column. |
| **Alternate 8.1** | |
| Alternate | If the user selects the button "Clear all Filters" the selected filters of all the columns of the summary grid (Process Overview Table) are cleared. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-579 The system shall allow the user to filter the process overview table** | | | |
| The system shall allow the user to filter the process overview table for component:   * ICM Run; * RSG Instruction Set run; * Post-processing; * RSG Standalone run; | **Status** | : | **Select One** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |

## SAD015 Manually marking Runs as Failed

System Administration > Queue Balancer > Environment (drop-down list)

> RAFM> RSG Stand alone runs.

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | At least one run processing is present in the system. |
| Pre-condition | User must be in system configuration, queue balancer and have the Environment RAFM selected |
| Pre-condition | User must have system administrator role. |
| Pre-condition | Geography selected is PruGroup. |
| Post-condition | The run is marked as failed. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a run.  2. The user selects the option ‘Marked as failed’ under maintenance menu.  3. The system displays a pop-up asking confirmation to the user.  4. The user selects the "Yes" button.  5. The system marks the run as ‘Failed’ in the system. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button "Cancel" the use case is aborted. |
| **Alternate 5.1** | |
| Alternate | If the selected run is in status Requested or Queued, then option ‘Marked as failed’ is not available under maintenance menu. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2229 The system shall allow the user to Fail an ICM Run that is processing | | | |
| The system shall allow a user to mark ICM run that is processing as “Failed”.  Once the run is marked as failed, the system removes the run from the queue.  Status of Run shall be updated ‘Failed’ for the corresponding run in following screens:   * Process Overview; (Refer Use Case SAD013 ‘View Process Overview’ for more details) * Run table of the Assumption sets associated with the process.   (Refer BP005 -Assumption Set , Use case ASM001 for more details)  *Refer RQ-2289 for more details on ICM runs which includes unlimited shreds with or without base stochastic.* | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | 6.1.0.0 |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2250 Upon marking run as “Failed”, the run (ICM run and RSG Standalone run) will still continue on TaskRunner and VGrid unless also cancelled here.** | | | |
| Upon marking run as “Failed”, the allocated resources are released within the system, however the run may still continue on TaskRunner and VGrid unless also cancelled here. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2229 The system shall allow the user to fail a RSG stand alone run that is processing** | | | |
| The system shall allow a user to mark RSG stand alone run that is processing as “Failed”.  Once the run is marked as failed, the system removes the run from the queue.  Status of Run shall be updated ‘Failed’ for the corresponding run in following screens:   * Process Overview; *(Refer Use Case SAD013 ‘View Process Overview’ for more details)* * Run table of the Scenario set associated with the process.   *(Refer BP003 -Scenario Set , Use case SCN001 for more details)* | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |
| **RQ-2289 System shall mark all the logical Run IDs of the multi shred ICM run as failed if the Main Run ID is marked as failed by the user.** | | | |
| If the main run is marked as failed in Queue Balancer then all logical Run IDs associated to Main Run ID will also be marked as failed by system *(in Process Overview Table and in Assumption set Run**Table).* It is applicable only for multi shred run.  *Refer RQ-2290 use case SAD013 “View Process Overview” for more details on main run id.* | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |
|  |  |  |

## SAD017 View Queue Balancer

System Administration>Queue Balancer>Environment (drop-down list) >

>RSG runs; >RAFM runs; >Post-processing runs;

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The queue balancer is displayed to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the load balancer. |

### Requirements

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| --- | --- | --- | --- |
| **RQ-586 The system shall allow the user to view the load balancer of ICM runs, RSG Standalone runs,** RSG Instruction Set runs **and Post-Processing runs.** | | | |
| The Queue Balancer for Assumption Set Runs should have the following columns (by order):   1. RunID 2. RAFM Batch Server/Post Processing resource/RSG Resource 3. Run Category 4. Pool Name 5. Pool Type 6. Purpose 7. Owner Geography 8. Owner BU 9. User ID 10. User Full Name 11. Status 12. Position 13. Run Submission 14. Run Start 15. BatchID 16. FX Aggregation Method   The system shall show the following information:   1. **RunID**: runID of the process; 2. RAFM Batch Server/Post processing Resource:   Name of the Batch Server (resource) on which process is running.   1. **Run Category:** type of the calculation environment; possible values are ICM Runs/ RSG Instruction Set runs/ RSG standalone runs /Post-Processing runs; 2. **Pool Name:** Name of the pool. 3. **Pool Type:** Type of the pool allocated to the run. 4. **Purpose**: display the run purpose specified in the Assumption Set; 5. **Owner Geography**: geography of the user that triggered the run; 6. **Owner BU**: BU that owns the geography; 7. **User ID**: userID of the user that has triggered the run; 8. **User Full Name**: full name of the user that has triggered the run; 9. **Status**: status of the run, it can be:  * **Requested:** when the run is requested; * **Queued:** After requesting the batch, there may not be any pools available for the assignment of the run. This state will apply until a pool can be allocated by the ICM Interface and the instructions sent to the WTW Task Runner. * **Processing:** This is the normal processing stage of a run and is displayed from when the system is processing the run. * **Cancelling:** when a processing run is deleted and until the process is removed from the queue.  1. **Position:** position in the queue, displayed only if the status of the run is “Queued”; 2. Run Submission: timestamp; 3. **Run Start**: timestamp; 4. **BatchID** (Applicable for runs which are triggered via ‘Run Stoch & CS’ functionality. For the other runs the field is blank); 5. FX Aggregation Method    * Deterministic    * Stochastic. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-587 The system shall manage the processes in queue** | | | |
| When computing resources are not available the system shall queue the processes according to the “Round-Robin Algorithm”:  -the system gives the first priorities to the oldest request of each business unit (Geography);  -once all the business units had their turn to process their oldest job, the system picks the oldest request following the same order of business units (Geographies) as before.  For more details on the "Round-Robin Algorithm" refer to the TA document.  One or more geographies can belong to the same business unit. The business units (Geographies) are configured in the hierarchy tree. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-987 The system shall allow the user to change the displayed environments** | | | |
| The user can choose one of the following environments to be displayed:   -RSG;  -RAFM;  -Post-processing;  As default, the system shows RAFM environment for all users | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-2105 The system shall show only one main run record of batch run (assumption sets) in the queue balancer.** | | | |
| The system shall show only one run record for the batch run (assumption sets) which are triggered via ‘Run Stoch & CS’ functionality in the queue balancer as opposed to Process Overview screen where three run records shall be displayed by the system for each batch run (after resource is allocated to the batch run and run is released from queue for processing). | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-2106 The system shall show only main run record (Run ID) for multi shred ICM run in Queue Balancer.** | | | |
| For multi shred ICM run the Queue Balancer screen will show only one Run ID i.e. the Main Run ID.  *Refer RQ-2290 use case SAD013 “View Process Overview” for more details on main run id.* | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |

## SAD018 Cancel Process

System Administration > Queue Balancer > Environment (drop-down list)

> RAFM; > Post-processing runs; > RSG runs;

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | At least one process queued or processing is present in the system. |
| Pre-condition | At least one process queued is present in the system |
| Post-condition | The process is stopped or canceled from the queue. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a process.  2. The user selects the option Cancel Run  3. The system displays a pop-up asking confirmation to the user.  4. The user selects the "Cancel" button.  5. The system cancels the process from the system. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button "Cancel" the use case is aborted. |
| **Alternate 5.1** | |
| Alternate | If the selected process is in status processing the system display a message to the user asking to inform the IT department. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-588 The system shall allow the user to Cancel from the system a process that is running or in queue for ICM runs and RSG standalone runs triggered on RAFM Calculation engine.** | | | |
| If the canceled process is in queue, the system removes it from the queue.  The system shall not allow the user to cancel an ICM run or RSG Standalone run that is processing.  System shall update the Run table of the Assumption sets associated to the cancelled process in case of the ICM runs.  In case of multi shred ICM run, if the Main Run ID is cancelled in Queue Balancer by the user, then all logical Run IDs associated to the Main Run ID will also appear as ‘Cancelled’ in Process Overview Table and in Assumption set RunTable.  *Refer RQ-2290 use case SAD013 “View Process Overview” for more details on main run id/logical Run IDs.*  System shall update the Run Table of Scenario Sets associated to the cancelled process in case of RSG Standalone runs. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | 6.1.0.0 |
| **From** | : | **Irram Sherwani** |
| **RQ-1043 The system shall allow the user to cancel a Post-Processing process that is queued.** | | | |
| The system shall allow the user to cancel a process that is in the queue. The system shall remove from the queue the selected process.  The system shall not allow the user to cancel a Post-processing run that is processing.  System shall update the Run table of the Assumption sets associated to the cancelled process. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **Release 5.5.7.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-1082 The system shall allow the user to cancel an RSG Instruction set run process that is queued.** | | | |
| The system shall allow the user to cancel a process that is in the queue. The system shall remove from the queue the selected process.  The system shall not allow the user to cancel an RSG Instruction set run that is processing.  System shall update the Run table of Scenario Assumption sets associated to the cancelled process. | **Status** | : | **Open** |
| **Type** | : | **Functional** |
| **Phase** | : | **Release 5.5.7.0** |
| **From** | : | **Irram Sherwani** |

## SAD019 Change Queue Position

System Administration > Queue Balancer > Environment (drop-down list)

 > RSG runs; > Post-processing runs; > RAFM runs;

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected process is in queue. |
| Post-condition | The position in queue of the process is updated. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a process.  2. The user selects the option change queue position.  3. The system displays a pop up asking for the new position in the queue.  4. The user enters the requested fields. (Mandatory field).  5. The user selected the option "Confirm".  6. The system updated the load balancer screen. |
| **Alternate 5.1** | |
| Alternate | If the user clicks the button "Cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-589 The system shall allow the user to change the order of the processes in queue.** | | | |
| The system allows the user to enter the new position in the queue for the selected process. The system shall move down of one position in the queue all the processes that follows the selected process. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD020 View Historical Data Load Balancer

System Administration > Queue Balancer > Historical data

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The processed runs are shown to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system shows the following:     - System Start Date;     - System End Date;     - Run Category.  2. The user enters the requested fields;  3. The system displayed all the processed runs that match the requested fields. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-590 The system shall allow the user to select the processed runs to be shown**** | | | |
| The system shall show the processed runs based on the following filters:  - System Start Date: it is a mandatory field;  - System End Date (it is a system date): it is a mandatory field;  - Run Category: it is a mandatory field; possible values are ALL, ICM run and RSG Instruction Set run, RSG Standalone run and Post-processing; | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-591 The system shall show the processed runs**** | | | |
| The system shall show the following information:  - RunID: runID of the running process;  - Batch Server: name of the Batch server on which the process was allocated to.  - Owner Geography: geography of the user that had triggered the run.  - User: userID and full name of the user that had triggered the run;  - Status: status of the run, it can be "failed", "cancelled" or "completed".  - Local Start Date: date and time when the run was triggered in the local time zone of the user;  - System Start Date.  - Local End Date: date and time when the run was terminated (either successfully or not)  - System End Date;  - Run Category: possible values are ICM run and RSG Instruction Set run, RSG Standalone run and Post-processing; | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD021 Download Historical Data

System Administrator > Queue Balancer > Historical Data

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The historical data is available for the user in the requested file format. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system shows the historical data based on the user selection.  2. The user selects the option "Download".  3. The system displays a pop up window with the available file formats.  4. The user selects the file format.  5. The user select the button "Download".  6. The browser takes over. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-592 The system shall allow the user to download the historical data in excel, .csv or .pdf format.**** | | | |
| The system shall provide the user with a file that has the following tabular format:  - RunID: runID of the running process;  - Batch Server: name of the Batch server on which the process is was allocated to.  - Owner Geography: geography of the user that had triggered the run;  - User: userID and full name of the user that had triggered the run;  - Status: status of the run, it can be "failed", "cancelled" or "completed";  - Local Start Date: date and time when the run was triggered in the local time zone of the user;  - System Start Date;  - Local End Date: date and time when the run was terminated (either successfully or not);  - System End Date;  - Run Category: possible values are ICM run and RSG Instruction Set run, RSG Standalone run and Post-processing;  The order of the columns and the sorting should reflect the order and sorting defined on screen (if any of the columns is hidden, it should be excluded from the file). | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD022 Set Configuration Parameters

System Administration > Configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User should have necessary rights |
| Pre-condition | Selected geography is PruGroup |
| Post-condition | The configuration parameters are defined. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. User selects the “Configuration” menu option under System Administration tab.  2. The system displays the:  - Number Of Batches;  - maximum window size (+/-);  - max nr. of stochastic scenarios used for shredding ;  - default risk limit parameters: browse feature  - BRP shredding type values: for bulk run profile run creation  - BU Reports Permissions Table  - Minimum number of simulations per core  - Maximum number of Simulations per core  - Max number or Stochastic Scenarios Used When LM/AR in review  - Min number for Simulations for validation  - Maximum number of stochastic extraction reports.  - Maximum Task Runner Time  - List of Ranking Metrics  3. The user enters the requested fields.  4. The user selects the button "Save".  5. The system stores the data. |
| **Alternate 4.1** | |
| Alternate | If the Default Risk Limit file is provided by the user, the system displays an error message if the file:  - is not an excel file;  - the file does not contain at least one line of data information.  - format/validations/possible values does not comply as per defined in[Appendix: Risk Limit file](#_Appendices) |
| **Alternate 4.2** | |
| Alternate | If the shredding type list provided by the user contains:     * None" value or * Duplicate (case insensitive) values   then the system displays an error message |
| **Alternate 4.4** | |
| Alternate | If the value provided by user for parameter ‘Max no. or Stochastic Scenarios Used when LM/AR in Review’ is:  - less than 10    then the system displays an error message. |
| **Alternate 4.5** | |
| Alternate | If the ‘Min number for Simulations for validation’ provided by user is:  - less than simulation.number.lower.limit in icm.properties file.  or  - more than value set for property *simulation.number.upper.limit* in icm.properties file.  then the system displays an error message. |
| **Alternate 4.6** | |
| Alternate | If the ‘Maximum number of stochastic extraction reports’ provided by user is:  - less than 0  or  - more than 99  then the system displays an error message. |
| **Alternate 4.8** | |
| Alternate | If the BRP shredding type list was changed and saved successfully, the system displays a popup message:  "The shreds list will be revised to:  - X  - Y  - Z" |
| **Alternate 4.9** | The field List of ranking metrics cannot be empty. The values must be separated by a comma, must be unique, and must not contain any prohibited characters. Otherwise system shall not allow to save the changes. See **RQ-2309** for details. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-593 The system shall allow the user to set the number of batches for RSG runs**** | | | |
| The number of batches is a mandatory field and is 1 by default. The system shall only accept natural numbers. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2225 System shall allow the user to configure the ‘Min number for Simulations for validation’.** | | | |
| System shall allow the user to configure the ‘Min number for Simulations for validation’.  If the ‘Min number for Simulations for validation’ configured by user is:  - less than simulation.number.lower.limit in icm.properties file.  or  - more than value set for property *simulation.number.upper.limit* in icm.properties file.  then the system displays an error message. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2226** System shall allow the user to configure the ‘Maximum Task runner time’. | | | |
| System shall allow the user to configure the ‘**Maximum Task runner time’**.  Format: days:hours:minutes,  Example:1:23:59.  The minimum allowable "‘**Maximum Task runner time’**" should be greater than 0. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2227 System shall allow the user to configure the ‘Maximum number of stochastic extractions reports.** | | | |
| System shall allow the user to configure the ‘Maximum number of stochastic extraction reports. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2228 System shall allow the user to configure the ‘Max Number of Stochastic Scenarios Used When LM/AR in Review’.** | | | |
| System shall allow the user to configure the ‘Max no. or Stochastic Scenarios Used when LM/AR in Review’.  The default value for the parameter shall be set as 10,000 by the system but user can edit the value of the parameter.  If the user updates the default populated parameter value then system shall check:   * If value updated by the user in the field is greater or equal to 10.   If the value updated by the user is less than minimum limit 10 then system shall show a tool tip error message “*The minimum value for this field is 10”* and value will not be updated in system. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-665 The system shall allow the user to set the value for the maximum window size**** | | | |
| The maximum window size is one of the Assumption Set run parameters and it is a mandatory field. The system shall only accept only natural numbers. Default value is +/-500. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-854 The system shall allow the user to set the value for the maximum number of stochastic scenarios that enables an assumption set to be run with shreds**** | | | |
| The number of stochastic scenarios and the Shredding Type are run parameters set by the user at the moment when an assumption set with a stochastic scenario assigned is triggered.  The system shall allow the user to set "N" as the maximum no. of stochastic scenarios that enables the user to select the shredding type for the run.  If the no. of stochastic scenarios requested for the assumption set run is greater than "N", the shredding type is automatically set to "None".  The system shall only accept natural numbers=10). It is a mandatory field and it is set to 10000 by default. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-859 The system shall allow the user to browse the local drive and upload the Default Risk Limit Parameters file**** | | | |
| The  Default Risk Limit Parameters file is an excel file containing the risk limit names with the default switch flag.  For Assumption Set runs, the system will use the default risk limit parameters unless the user uploads the Risk Limits Switch file at run time.  The system shall only accept excel files. Each time a file is uploaded, the system overwrites the previous one. It is a mandatory field.  If the file is uploaded, the browse field will display the current file name and its extension: <filename>.<excel extension>.  The file should have the following header in the worksheet 'Limits':  cell A1= limit , cell B1= flag. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-860 The system shall allow the user to download the Default Risk Limit Parameters file**** | | | |
| If the Default Risk Limit Parameters file is available, the system shall allow the user to download the file in the same format it has been uploaded. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-979 The system shall populate the possible shredding types for the bulk run profile run creation**** | | | |
| The user shall be able to maintain a list of possible shreds that the system will show for the user at bulk run profile run creation.  Validations:  When the user saves the modifications  1. an error message is triggered in case of:  · "None" value is entered  · Duplicate values are entered (case insensitive)  2. in case the user modified the list, a pop-up message is triggered showing:  The shreds list will be revised to:  - X  - Y  - Z  where X, Y, Z are the comma separated individual shred values from the list. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-2092 The system shall allow the user to set the value for the ‘Minimum number of simulations per core’ and ‘Maximum number of Simulations per core’ parameter.**** | | | |
| System shall allow the user to configure the minimum / maximum number of simulations that can be allocated to a single core.  ‘Minimum / Maximum number of simulations across per core’ configuration parameters shall be used by system for calculating / determining the number of simulations per worker.  System shall calculate the number of simulations to be assigned to each worker is equal to:  Total number of simulations divided by number of cores available in the pool  This is subject to following constraints:   * A minimum number of simulations shall be allocated to a single core as per <min value> configured in configuration parameter ‘Minimum number of simulations per core’.. * A maximum number of simulations shall be allocated to a single core as per <max value> configured in configuration parameter ‘Maximum number is simulations per core’.   These two constrains have the following exceptions:   * In an event when the total number of simulations is less than <min value>, a single record will be created. * In an event when the initial calculation lead to the average number of Simulations per core to be less than <min value>, records will be created with <min value> sims each up until the total number of Simulations being run.   In the event that the initial calculation lead to the average number of simulations per core to be greater than <max value>, extra lines will be created in the worker distribution files with the first few lines “maxing out” at <max value> sims and the final line set so that the total matches the number of Simulations being run. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-2309 The system shall allow the user to set List of ranking metrics parameter**** | | | | |
| Upon modification of List of ranking metrics parameter, system shall made field validation:   * The values in the List of ranking metrics must be separated by a coma * The values between the delimiters must be unique, otherwise system shall generate an error upon save: Could not modify the Configuration Parameters. Duplicate ranking metric values are not allowed. * The field cannot be empty, at least one character must be set, otherwise the system shall mark the field red with the caption: This field is required and user will not be able to save the updated configuration. * Field type: String * Allowed characters: Cannot start with any of these characters ,'=@+- * Individual metrics cannot contain commas unless they are enclosed within quotation marks “”   Character length limit: Not defined | **Status** | : | **Closed** | |
| **Type** | : | **Functional** | |
| **Phase** | : | **8.1.0.0** | |
| **From** | : | **Irram Sherwani** | |

## SAD024 Download Run Log

System Administration > Process Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The process table is populated with at least one process. |
| Pre-condition | The type of the run is ICM runs /RSG Instruction Set / RSG Standalone / Post-Processing. |
| Post-condition | The run log is available for the user in the available file format. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the process overview.  2. The user selects a process in the process tables.  3. The user selects the option "Download Run Log".  4. The system displays a pop up window with the available run logs.  5. The user selects one or more run logs.  6. The user selects the button "Download".  7. The browser takes over. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-664 The system shall allow the user to download the run log for a selected process**** | | | |
| The system shall allow the user to download one or more run logs, whenever are available, for a selected process in the available format. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD025 View Tags Overview

System Administration > Tags Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The list of tags stored in the system is displayed to the user |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the list of tags |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-794 The system shall allow the user to view the list of tags available in the system**** | | | |
| The system shall display the list of all the tags stored in the system showing the following information in the tag summary table:  - Name: name of the tag;  - Description;  - Available for filter;  - Archive status: The possible values are blank, Archive requested, Restore requested;  - Type;  - Reporting period start date;  - Reporting period end date;  -Year.  The field 'Archive status' is left blank if the 'Archive' flag has the default 'No' setting (it was never switched to 'Yes').  If the 'Archive?' flag is changed from 'No' to 'Yes', the system shall set the 'Archive status' to 'Archive requested'.  If the 'Archive?' flag is changed from 'Yes' to 'No', the system will change the 'Archive status' to 'Restore requested'.  By default the tags information is displayed in black. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-795 The system shall display the default tags in the summary table**** | | | |
| The tags "Historical", "New" and "Rejected" are always available in the list of tags.  The default tags have the following default attributes:  - Type: Descriptive (not modifiable);  - Available for filter: 'Yes'.  - Archive status.  None of these tags can be assigned by the user as attribute of the components. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-796 The system shall display the events table for tags**** | | | |
| This window is active when a tag is selected in the summary table.  The system should display the following information:  - Type: type of action performed on the Tag;  - User: userID of the user that has performed the action;  - Local date: date and time on which the action was performed in the local time zone of the user;  - System date.  The system shall show the list of events that have been performed on a selected Tag. The system will show the following events:  -Created;  -Modified;  -Locked as being modified. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-797 The system shall display the usage table for tags**** | | | |
| The usage tables are represented by 7 tabs for each type of component. Each tab is by default empty, the system shall populate it when a tag is selected from the tag summary table.  This table shows in which assumption set, scenario set, entity set, entity structure, aggregation rule, lite model and/or asset portfolio the selected  tag has been assigned to.  The system should display the following information:  - Name;  - Version;  - Status;  - Other tags assigned (not applicable for assumption sets and scenario sets);  - Geography: owner user group of the component. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD026 Create Tags

System Administration > Tags Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The new tag is added to the list of available ones |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the tags summary table.  2. The user selects the option "Create" from the maintenance menu.  3. The system displays the following fields:  - Type: dropdown selection. Possible values are 'Prescriptive' and 'Descriptive';  4. The user selects the option 'Prescriptive'.  5. The system displays the following fields:  - Description;  - Available for filter;  - Archive;  - Reporting period start date;  - Reporting period end date;  - Reporting period type;  - Year;  6. The user fills the requested fields.  7. The user selects the button "save".  8. The system stores the created tag and updates the tags summary table. |
| **Alternate 4.1** | |
| Alternate | If the user select the 'Descriptive' type, the system shows the following attributes:  - Name: free text field to enter the name of the tag;  - Description;  - Available for filter;  - Archive.  The user enters the requested fields and the use case continues from point 7 of the basic path. |
| **Alternate 7.1** | |
| Alternate | If the user selects the button "cancel" the use case is aborted. |
| **Alternate 7.2** | |
| Alternate | If the tag is of type 'Descriptive', the system gives an error if the name entered by the user is not unique and/or the name length exceeds 20 characters. |
| **Alternate 7.3** | |
| Alternate | If the tag is of type 'Prescriptive', the system gives an error if the reporting period entered by the user results in a combination that is not unique. |
| **Alternate 7.4** | |
| Alternate | If the interval between the reporting period start date and the reporting period end date is greater than 1 year, the system displays an error message. |
| **Alternate 7.5** | |
| Alternate | If the tag's year is not the same as the year of the reporting period end date, the system displays an error message. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-798 The system shall allow the user to create a tag**** | | | |
| The system shall allow the user to define the type of the tag. The possible values are: Descriptive or Prescriptive.  If the type selected is Descriptive, the system shall allow the user to define the following:  - Name: free text field to enter the name of the tag;  - Description: free text field. It is an optional field.  - Available for filter: possible values are 'Yes' or 'No'. By default this field is set to 'Yes'.  - Archive?: possible values are 'Yes' or 'No'. By default this field is set to 'No' and the selection is disabled for newly created tags.  If the type selected is Prescriptive, the system shall allow the user to define:  - Description: free text field. It is an optional field.  - Available for filter: possible values are 'Yes' or 'No'. By default this field is set to 'Yes'.  - Archive?: possible values are 'Yes' or 'No'. By default this field is set to 'No' and the selection is disabled for newly created tags.  - Reporting period start date: date picker selection;  - Reporting period end date: date picker selection;  - Reporting period type: only one option can be selected from the below reporting types:  · Daily;  · Month: month selection (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12);  · Quarterly: Q1, Q2, Q3, Q4;  · Final/ Half Year: FY, HY.  - Year: dropdown selection. Displayed in the short format, starting from 10 to 99 (representing 2010 to 2099). | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-799 The system shall generate a name for tags of type Prescriptive**** | | | |
| For prescriptive tags the system shall generate the name as a combination of the reporting period type and year selected.  Example:  Reporting Period=HY  Year=13  The system shall generate the following name: HY-13.  Or  Reporting Period=M12  Year=13  The system shall generate the following name: M12-13.  The system shall check that the reporting period entered by the user results in the creation of a tag name that is unique. There can be only one tag per reporting period type.  For 'Descriptive' tags, the system shall check that the name entered by the user is unique.  The length of the name should not exceed the 20 characters and no special characters are allowed. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-800 The system shall make the tags available for the global filtering**** | | | |
| If the option "Available for filter" is set to 'Yes', the system shall make the tag available in the tag global drop-down list, used to filter the Interface. The tag will also be available for filtering the assignments pop-up windows.  The system shall make the tag available to be assigned by the user as attribute of the assumption sets, scenario sets and entity sets. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD027 Modify Tags

System Administration > Tags Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The tag to be modified is not a default tag |
| Pre-condition | At least one tag other than the default ones is available in the system |
| Post-condition | The tag is updated |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a tag from the tags summary table.  2. The user selects the option "modify" from the maintenance menu.  3. The system displays a pop up and allows the user to modify the tag:  - Type: not modifiable;  - Name: (applicable only for descriptive tags not assigned to any components);  - Description: free text field.  - Available for filter: possible values 'Yes' and 'No'.  - Archive: possible values 'Yes' and 'No'.  - Reporting period start date (applicable only for prescriptive tags).  - Reporting period end date (applicable only for prescriptive tags).  - Comments: free text field.  4. The user selects the button "save".  5. The system updates the tags summary table |
| **Alternate 2.1** | |
| Alternate | If the tag is assigned to one or more components, the system will show a warning message informing the user that changes will be applied to the components that use the selected tag. |
| **Alternate 2.2** | |
| Alternate | If the 'Archive option' is changed from 'No' to 'Yes', the system shall automatically switch the Available for filter selection to 'No'. |
| **Alternate 2.3** | |
| Alternate | If the 'Archive option' is changed from 'Yes' to 'No', the system shall automatically switch the 'Available for filter selection to 'Yes'. |
| **Alternate 4.1** | |
| Alternate | If the user selects the button "cancel" the use case is aborted |
| **Alternate 4.2** | |
| Alternate | If the interval between the reporting period start date and the reporting period end date is greater than 1 year, the system displays an error message. |
| **Alternate 4.3** | |
| Alternate | If the tag's year is not the same as the year of the reporting period end date, the system displays an error message. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-794 The system shall allow the user to view the list of tags available in the system**** | | | |
| The system shall display the list of all the tags stored in the system showing the following information in the tag summary table:  - Name: name of the tag;  - Description;  - Available for filter;  - Archive status: The possible values are blank, Archive requested, Restore requested;  - Type;  - Reporting period start date;  - Reporting period end date;  -Year.  The field 'Archive status' is left blank if the 'Archive' flag has the default 'No' setting (it was never switched to 'Yes').  If the 'Archive?' flag is changed from 'No' to 'Yes', the system shall set the 'Archive status' to 'Archive requested'.  If the 'Archive?' flag is changed from 'Yes' to 'No', the system will change the 'Archive status' to 'Restore requested'.  By default the tags information is displayed in black. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-795 The system shall display the default tags in the summary table**** | | | |
| The tags "Historical", "New" and "Rejected" are always available in the list of tags.  The default tags have the following default attributes:  - Type: Descriptive (not modifiable);  - Available for filter: 'Yes'.  - Archive status.  None of these tags can be assigned by the user as attribute of the components. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-796 The system shall display the events table for tags**** | | | |
| This window is active when a tag is selected in the summary table.  The system should display the following information:  - Type: type of action performed on the Tag;  - User: userID of the user that has performed the action;  - Local date: date and time on which the action was performed in the local time zone of the user;  - System date.  The system shall show the list of events that have been performed on a selected Tag. The system will show the following events:  -Created;  -Modified;  -Locked as being modified. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-797 The system shall display the usage table for tags**** | | | |
| The usage tables are represented by 7 tabs for each type of component. Each tab is by default empty, the system shall populate it when a tag is selected from the tag summary table.  This table shows in which assumption set, scenario set, entity set, entity structure, aggregation rule, lite model and/or asset portfolio the selected  tag has been assigned to.  The system should display the following information:  - Name;  - Version;  - Status;  - Other tags assigned (not applicable for assumption sets and scenario sets);  - Geography: owner user group of the component. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-801 The system shall allow the user to modify a tag**** | | | |
| The system shall allow the user to modify the following attributes:  - Name: only if the tag is of type 'Descriptive' and it is not assigned to any ICM components. If the tag is assigned to at least one component, the field is disabled.  - Description: free text field. It is an optional field.  - Available for filter: possible values 'Yes' or 'No';  - Reporting period start date: date picker selection;  - Reporting period end date: date picker selection;  - Archive: possible values 'Yes' or 'No';  The system shall allow the user to enter a comment (not mandatory).  If the Archived option is changed from 'No' to 'Yes', the system shall automatically switch the Available for filter selection to 'No'.  If the 'Archive option' is changed from 'Yes' to 'No', the system shall automatically switch the 'Available for filter selection to 'Yes'.  If the Available for filter option is set to "No", the tag will no longer be available to users for filtering in both the ICM Interface and the selection boxes for assignments.  The type of the tag cannot be modified.  The system shall update the tag information and record a modify event in the events table. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-802 The system shall allow the user to mark a tag to be archived**** | | | |
| The system shall mark a tag for archiving if the 'Archive?' option of the selected tag is changed from  'No' to 'Yes'.  The system shall automatically change the 'Available for filter' option to 'No'.  The tag will no longer be available to users for filtering in both the ICM Interface and the selection boxes for assignments.  The system shall assign the archive status of the tag to 'Archive requested'.  As a consequence, the system shall mark for archiving, and set the archive status to 'Archive Requested' for all the ICM components (assumption sets, scenario sets, entity sets, entity structure, lite models, aggregation rules, asset portfolios versions) that have the selected tag assigned.  The system shall mark for archiving the components if:  -the tag marked to be archived is the only tag assigned to the component (assumption sets and scenario sets have only one tag);  -if the other tags assigned to the components are all marked as 'Archive requested'.  The system shall not change the Archive status of a component if there is at least one tag assigned to the component which has the 'Archive?' option set to 'No'.  The components with archive status set to 'Archive requested' will only be visible if there is no global tag filter applied on the ICM Interface. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-803 The system shall allow the user to mark a tag to be restored**** | | | |
| The system shall mark a tag to be restored if the 'Archive?' option is changed from 'Yes' to 'No'. The system shall automatically change the 'Available for filter' option to 'Yes' and change the archive status of the tag to 'Restore requested'.  As a consequence, the system shall mark to be restored all the ICM components (assumption set, scenario set, entity set, entity structure, lite model, aggregation rule, asset portfolio versions) that have the selected tag assigned.  The archive status of all the components that hold the tag which has been requested to be restored is changed from 'Archive requested' to 'Restore requested'. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD028 Delete Tag

System Administration > Tags Overview

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The tag is not assigned to any component |
| Pre-condition | The tag to be deleted is not a default tag |
| Post-condition | The tag is removed from the tags summary table |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a tag from the tags summary table.  2. The user selects the option "delete" from the maintenance menu.  3. The system displays a confirmation message.  4. The user selects the button "Delete".  5. The tag is removed from the system. |
| **Alternate 5.1** | |
| Alternate | If the user selects "Cancel" the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-804 The system shall allow the user to delete a tag**** | | | |
| The system shall not allow the user to delete a tag if it is assigned to at least one of the components.  The 'Delete' button is disabled.  The tag is removed from the summary table and no longer available for filtering (global ICM tag filtering and assignments pop-up window).  The tag will no longer be available to be assigned as attribute of the assumption sets, scenario sets and entity sets. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD029 Download Tag Usage Information

System Administration > Tags Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The usage information is available for the user in the requested file format. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a tag in the tag summary table.  2. The user selects the option "Download Usage" from the Download menu in the summary table.  3. The system displays a confirmation message.  4. The user selects the button "Download".  5. The browser takes over. |
| **Alternate 4.1** | |
| Alternate | If the user selects the button 'Cancel', the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-805 The system shall allow the user to download for a selected tag the usage information in .csv format**** | | | |
| The system shall provide the user with a file that has the following tabular format:  - Type of component;  - Name;  - Version;  - Status;  - Other tags assigned (not applicable for assumption sets and scenario sets);  - Geography.  The system shall use the following naming convention for the generated file:  <Tag's name><timestamp>.extension. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD030 Download Post-run Manifest File

System Administration>Process Overview,

For assumption set users the use case is limited to the processes they own.

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The process table is populated with at least one process. |
| Pre-condition | An ICM run is available and in completed, failed, cancelled or invalidated status |
| Pre-condition | The type of the run is RAFM. |
| Post-condition | The run Post-manifest file is available to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the process overview.  2. The user selects a process in the process tables.  3. The user selects the "Download Post-run Manifest" button.  4.Post-run manifest file is downloaded by system in pre-defined .csv file and is available to user. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-814 The system shall allow the user to download the run manifest file of an RAFM run**** | | | |
| The system shall allow the user to download  the Post-run manifest file for an  RAFM run. The Post-run manifest file is generated for runs that have been processed in sandbox or in preproduction and for runs deployed to sandbox.  The download of the Post-run manifest file is allowed by the system only for runs in the following states:  - completed;  - failed;  - cancelled (if the run is cancelled while it is queued, the Post-run manifest file is not generated);  - invalidated.  If a run is in other states, the system does not allow the download of the Post-run manifest file (option is greyed out in the Download menu).  The generated Post-run manifest file shall have a CSV format with the content specified in the Appendix of BP005 Assumption Set.  The naming convention for the Post-run manifest file should be <RunID>\_Manifest file.csv.  The target performance is that the file should be made available to the user within 4 seconds of the download request | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2297 The system shall allow the user to download the run manifest file of each Run ID generated for multi shred ICM run.**** | | | |
| The system shall allow the user to download the Post-run manifest file for each Run ID (Main Run ID and all logical Run IDs) associated to the multi shred run.  The Post-run manifest file shall be generated for Run IDs that have been processed.  The download of the Post-run manifest file is allowed by the system only for run records in the following states:   * completed; * failed; * cancelled (if the run is cancelled while it is queued, the Post-run manifest file shall not be generated for any run id associated to run); * invalidated.   If a run (including all associated Run IDs) is in other states, the system does not allow the download of the Post-run manifest file (option is greyed out in the Download menu for all associated Run IDs).  The generated Post-run manifest file shall have a csv format with the content specified in the Appendix of BP005 Assumption Set.  The naming convention for the Post-run manifest file should be <RunID>\_Manifest file.csv. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **7.0.0.0** |
| **From** | : | **Irram Sherwani** |

## SAD041 View Status Page

System Administration > Status Page

The user is logged in as a System Administrator with PruGroup geography.

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The Status Page is shown to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The Status Page is shown to the user |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-892 The system shall allow the user to view the data on the status page** | | | |
| The system shall show the following data on the status page:  - The Database response time for a basic database ping check, or for a select statement to the ICM database in a simple text format in the top left corner  - A summary grid with the list of servers, their status and the last heartbeat time for RAFM , Post-processing and RSG batch servers (calculation engines).  Following shall be the columns in the summary table.   * Name; * Status; * Calculation Engine; * Last Heartbeat time;   -A Grid for The Run Phases.  -A switch to Enable/disable email run monitoring. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-893 The system shall allow the user to refresh the status page** | | | |
| The system shall show the user a Refresh button, that enables the user to refresh all the data on the page. The refresh works on demand, only when the user loads the status page, or clicks on the refresh button. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-901 The system shall show the Batch Servers and the details about the run phases** | | | |
| The system shall allow the user to be able to see the list of the batch servers, and by selecting one, in a separate grid the detailed information about the run phases of the batch server shall be available.  The system shall allow the user to select a server, and in a separate grid, it shall show the Run Phase details.  The following information is shown:  ·       Id  ·       Local Event Time  ·       System Event Time  ·       Run Phase | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |
| **RQ-908 The system shall allow the user to control email run monitoring** | | | |
| The system shall provide a switch to turn on/off email run monitoring This will set the file /gpfs/{ENV}/data/reporting/monitor to either ON, ONCE or OFF | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2068 The system shall allow the user to select the Calculation Engines** | | | |
| The system shall allow the user to select one or more calculation engines among the following:   * RAFM; * RSG; * Post-Processing.   User should be able to select one or many calculation engines with the help of checkboxes available on the ‘Calculation Engine’ drop-down menu. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **6.1.0.0** |
| **From** | : | **Irram Sherwani** |

## SAD044 Download BU Reports Permissions Table

System Administration > Configuration

### Use Case

|  |  |
| --- | --- |
| Constraints | |
| Pre-condition | User has required permissions. |
| Pre-condition | Use Case SAD022-"Set Configuration Parameters" is complete. |
| Post-condition | The “BU Reports Permissions Table” file is downloaded by system in predefined .csv format and is available to the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user goes to System Administration > Configuration. 2. The user selects the “Download” button of field/section ‘BU Reports Permissions Table’. 3. The ‘BU Reports Permissions Table‘ file is downloaded by system in predefined .csv format and is available to the user. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-1041 The system shall allow the user to download the 'BU Reports Permissions Table' file.** | | | |
| The system should allow the user to download latest uploaded 'BU Reports Permissions Table' file (uploaded under System Administration > Configuration > ‘BU Reports Permissions Table’ section).  The name and format of the downloaded file shall remain exactly same as the latest uploaded file.  For more details on the ‘BU Reports Permissions Table’ file format, please refer to requirement RQ-1040 of Use Case “Set Configuration Parameters”. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **5.5.6.0** |
| **From** | : | **Irram Sherwani** |
|  | | |

## SDS045 Create RSG Static Data

System Administration>Static Data

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User should have necessary permissions. |
| Post-condition | Static data file is uploaded/imported and available in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. User navigates to System Administration> *Static Data.*  2. User selects the option "Create" under “Maintenance” menu button.  3. System displays a pop up window “Create New Static data” with following fields for the user to enter.   * ICM Tag: dropdown field; * Workbook: Browse feature; * ICM Name: Free text field * Description: Free text field   4. User fills in the required fields and uploads a static data file (after browsing the network drive and selecting a file) *(Ref RQ-1083*).  5. User chooses the option “Import”.  6. System runs static data validations.  7. When all the validations are successfully passed, system creates new static data with version 1.0.  8. A confirmation message is displayed by the system:  “<ICM name>\_<version no.>” is successfully created and processed in system” |
| **Alternate 5.1** |  |
| Alternate | If the format of the static data file uploaded is not Excel, system rejects the file, disables the “Import button” and the following tooltip error message is provided.  “Supported workbook formats are only Excel 97, 2000, XP, 2003 and 2010. File has to have .xls, xlsm or .xlsx extension.” |
| **Alternate 5.2** |  |
| Alternate | If the <ICM name> entered by user is exists in the system for any of the static data, system gives an error message - “<ICM name> already exists in the system” , and use case is aborted. |
| **Alternate 5.3** |  |
| Alternate | User choose the option cancel, system will stop the processing and use case is aborted |
| **Alternate 6.1** |  |
| Alternate | When any of the validations fail, an error message dialog is displayed with the following:  **Error Message:** <ICM Name> (version) could not be created in the system. For details download and check the error log.  **Link:** User follows link to download the error log or selects cancel to return to summary table.  Static data is not created in the system (No <ICM name> is created in system). |

### Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RQ-1083 The system shall allow an authorised user to create static data. | | | | | |
| The system shall allow the user to create static data. The following fields shall be displayed for the user to enter (on “Create new Static Data” dialog) for creating the static data   * **ICM tag:** dropdown field which will display all the existing tags in the system which are Available for Filter (C*reated via System Administration >Tags Management and available for filter checked as Yes*). User can choose any value from the dropdown. * **Workbook:** In this field, user needs to upload a static data Excel file via the ‘Browse’ function. * **ICM Name:** In this field user shall define the name of the static data. Any free text name shall be accepted by the system in this field except for the following special character(s):   ^ : ~ | , ' . ` ! @ # $ Â£ % & \* ( ) + { } [ ] " ; < > ? / = and white spaces.  Static data is unique by <ICM name> only. System does not check other field of the static data for determining the uniqueness of entity.   * Description: Free text optional field   All the above fields except “Description” field are mandatory fields on the dialog for the user to enter. | Status | : | | Open | |
| Priority | : | | Medium | |
| Phase | : | | 5.6.0.0 | |
| From | : | | Irram Sherwani | |
| **RQ-1084 The system shall perform validation on the static data file uploaded before creating the static data in system.** | | | | | |
| When the user selects the Import button after RQ-1083 is complete (i.e. all the required fields are entered with valid data by the user in “Create new Static Data” dialog), the system validates the static data being uploaded.  For all the validation of the static data, please refer *Appendix:* [*Static Data Validation*](#_Static_Data_Validation:)  If any of the specified validations fail, the system displays an on-screen error message(s) and the static data shall not be created in the system.  If all the validations are passed successfully, static data is created in the system and the summary grid table is updated with the static data record and confirmation message is displayed by the system.  “<ICM name>\_<version no.>” is successfully created and processed in system”  ICM will store the data from the staging tables but ICM will not store original source file. | Status | : | | Open | |
| Priority | : | | Medium | |
| Phase | : | | 5.6.0.0 | |
| From | : | | Irram Sherwani | |
| **RQ-1085 System should not allow the user to delete or update any static data created in the system.** | | | | | |
| System should not allow the user to delete or modify static data. | Status | | : | | Open |
| Priority | | : | | Medium |
| Phase | | : | | 5.6.0.0 |
| From | | : | | Irram Sherwani |
| **RQ-1086 User should be able to view or manage (create/export) static data in the system if the user has necessary Permission(s).** | | | | | |
| The following role and permission(s) shall be created in the system for viewing and managing(create/export) static data  Role:  ROLE\_SCENARIO\_ADMINISTRATOR  Permission(s):  VIEW\_SCENARIO\_ADMINISTRATION\_TAB  PERMISSION\_CREATE\_STATIC\_DATA  PERMISSION\_EXPORT\_STATIC\_DATA | Status | : | | Open | |
| Priority | : | | Medium | |
| Phase | : | | 5.6.0.0 | |
| From | : | | Irram Sherwani | |

## SDS046 View RSG Static Data

System Administration>Static Data

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User should have necessary permissions. |
| Pre-condition | At least one static data is available in the system i.e. SDS045-”Create RSG Static Data” use case is complete. |
| Post-condition | Static data is displayed in the summary grid. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to System Administration>Static Data. 2. Summary Table and Details Table of static data is displayed. |

### Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RQ-1087 User should be able to view all the available static data versions created in the summary grid table of the Static Data screen** | | | | |
| The following fields shall be displayed in the summary table for each static data record.   * **Name:** Name of the static data set. * **Version:** Version of the selected static data set as defined by system. * **ICM Tag:** ICM tag selected by the user for static data. * **Workbook Name**: Workbook name (static data file name) uploaded for the static data. * **Description:** Description entered for the static data. It can also be blank if user wishes to keep it empty. * **User ID:** User id of the user who created the static data. * **Last modified local date:** Timestamp when the action was submitted | Status | : | Open | |
| Type | : | Functional | |
| Phase | : | 5.6.0.0 | |
| From | : | Irram Sherwani | |
| **RQ-1088 The system shall display the events table in the Details for table for the selected static data set** | | | | |
| The system shall display the following information:  **- Type:** contains type of action that was performed for the Static Data.  The system shall show the following events for actions:   * Create: When user has created static data with version 1.0 and version can only ever be version 1.0.   **- Version:** shows the version of the static data after the action has been performed.  **- User:** user-id of user who performed action.  **- Local date:** date and time on which the action was performed in the local time zone of the user.  **- System date:** system timestamp.  The system shall show the list of events that have been performed on the selected version.  By default this table is empty. The system shall populate it when a version of static data in summary table is selected.  The column System date by default is hidden. | Status | : | Open | |
| **RQ-1089 The system shall display the usage table in the details for table or the selected static data set.** | | | | |
| The usage table shall be displayed with the following information:  **- Name:** Name of the Scenario Assumption set that uses the selected static data.  **- Version:** Version of the Scenario Assumption set that uses the selected static data.  **- Type:** Type of Scenario Assumption set.  **- Status:** Status of Scenario Assumption set.  **- Description:** Description of the Scenario Assumption set  **- Last Run Status:** Status of the latest xml run (if available).  **- Last Run Local date:** Timestamp of the latest xml run ( if any) as per Local time zone of the user.  **- Last Run System date:** System timestamp of the latest xml run (if available).  **- Last Triggered by:** User-id that triggered latest xml run (if available).  By default this table is empty. The system shall populate it when a version of the static data in the static data summary table is selected.  The column Last Run System date by default is hidden. | Status | : | Open | |
| Type | : | Functional | |
| Phase | : | 5.6.0.0 | |
| From | : | Irram Sherwani | |
| **RQ-1090 User should be able to view static data in the system if the user has necessary Permission(s).** | | | | |
| Please refer to requirement RQ-1086 of use case SDS045”Create Static Data” for more details on permissions. | Status | : | | Open |
| Type | : | | Functional |
| Phase | : | | 5.6.0.0 |
| From | : | | Irram Sherwani |

## SDS047 Export Static Data set

System Administration>Static Data

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User should have necessary permissions. |
| Post-condition | Static data file is downloaded and available to user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to System Administration>Static Data. 2. User selects a version of the static data in the static data summary table. 3. System enables “Export” menu option under download button. 4. User selects “Export” menu option under “Download” button. 5. System displays a pop up dialog “Export static data” with pre-populated non-editable fields (ICM tag, ICM Name and Version). 6. User chooses the button “Export” available on the popup dialog. 7. System generates the static data export file in excel format.   The file is exported and user can be open or save the file (depending on the browser options available). |
| **Alternate 6.1** |  |
| Alternate | User choose the option 'Cancel’, system will abort the operation |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-1092 The System shall allow a user to export static data. | | | |
| The system shall allow the user to export static data. For more details on the file fields and format of the exported data file, please refer to the [*Appendix: Static Data Export File format and specification*](#_Static_Data_Export)  The naming convention of the exported file is as follows:  “<ICM name>\_<version no.>.xlsx”  Where ICM name and the version no. is the name and version number of the selected static data set respectively. Version of static data can only ever be version 1.0.  Format of the file: Excel.  Excel format supported: Excel 95, 97, 2000, XP, 2003 and 2010 | Status | : | Open |
| Type | : | Functional |
| Phase | : | 5.6.0.0 |
| From | : | Irram Sherwani |
|  |  |  |
| **RQ-1091 User should be able to export static data if the user has necessary Permission(s).** | | | |
| Please refer to requirement RQ-1086 of use case SDS045 ”Create Static Data” for more details on permissions. | Status | : | Open |
| Type | : | Functional |
| Phase | : | 5.6.0.0 |
| From | : | Irram Sherwani |

## SDS048 Add (Create) RAFM Base Engine Code base(s) to the ‘whitelist’

System Administration> Base Engine Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has the necessary permissions. |
| Post-condition | Base Engine RAFM codebase name is added to the ‘whitelist’ and available in the summary table. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to “System Administration” -> “Base Engine Code Base Management”  2. User selects the option “Create” under “Maintenance” menu.  3. System displays a popup window “Create RAFM Code Base” with following fields for the user to enter.   * **Code Base Name**: Text Field; (name of the codebase) * **Code Base Type**: drop-down field; * **Mandatory**: Checkbox field;   4. User fills in the required fields;  5. User selects the button “Save” available on the dialog.  6. System added a new Base Engine RAFM Code base name.  7. A confirmation message is displayed by the system:  “RAFM Code base is successfully saved” |
| **Alternate 5.1** |  |
| Alternate | If the name of code base entered by user is existing in the system for the any of the code base type (i.e. RSG/API/ BU Bridge Aggregator) system throws an error and use case is aborted.  Refer use case “SDS052 – Create ‘whitelist’ BU Bridge Aggregator Code Base” for more details on BU Bridge Aggregator code base . |
| **Alternate 5.2** |  |
| Alternate | User choose the option Cancel, system will stop the processing |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2124 The system shall allow an authorized user to add (create) Base Engine Code base to the ‘whitelist’ in the system. | | | |
| The system shall allow the user to add (create) a Base Engine Code base. The following fields shall be displayed for the user to enter (on “Create RAFM Code Base” dialog) for adding the Base Engine Code base.   * Code Base Name: In this field user must define the name of the code base. Any free text name shall be accepted by the system in this field except for the following special character(s):   ^ : ~ | , ' . ` ! @ # $ £ % & \* ( ) + { } [ ] " ; < > ? / = and white spaces.  code base names shall not be case sensitive.   * Code Base Type:   Possible values: API and RSG.  User can select one of the code base type from the drop-down.   * Mandatory:   Possible values: checked (Yes) or unchecked (No); | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2129 Base Engine Code base name must be unique across all Code base types.** | | | |
| User shall not be allowed to add (create) a Base Engine code base with a name which is already existing in system for any code base across all code base types (API or RSG or BU Bridge Aggregator). Code base names shall not be case sensitive.  Refer use case “SDS052 – Create ‘whitelist’ BU Bridge Aggregators Code Base Management” for more details on BU Bridge Aggregator Code base. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2119 User must be able to view or manage (create/modify/delete) Base Engine Code base ‘whitelist’ in the system if the user has necessary Permission(s).** | | | |
| The following role and permission(s) shall be created in the system for viewing and managing (Create/Modify/Delete) Base Engine Code base.  Role:  Base Code Base Manager  Permission(s):  Refer Appendix: “User Manager ->User Roles Permissions” for details on Permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SDS049 View ‘whitelist’ RAFM Base Engine Code Bases

System Administration -> Base Engine Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has the necessary permissions. |
| Post-condition | Existing Base Engine RAFM Code base(s) are displayed in the summary grid. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to “System Administration” -> “Base Engine Code Base Management” 2. Summary table of Base Engine RAFM Code base(s) is displayed in the system. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2126 User should be able to view all the available code base(s) in the summary table of Base Engine RAFM Code base(s).** | | | |
| The following fields shall be displayed in the summary table for each Base Engine RAFM code base record.   * **Code Base** **Name**: Name of the Base Engine code base. * **Code Base Type**: Type of the Base Engine code base. * **Mandatory**: This field shall specify if the code base is Mandatory in a RAFM Base Engine or not. | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| RQ-2127 User should be able to view Base Engine Code base(s) in the system if the user has necessary Permission(s). | | | |
| Please refer to requirement RQ-2119 of use case SDS048 – “Add (Create) RAFM Base Engine Code base(s)to the ‘whitelist’” for more details on permissions. | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SDS051 Modify ‘whitelist’ RAFM Base Engine Code base(s)

System Administration -> Base Engine Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has necessary permissions. |
| Post-condition | Base Engine RAFM Code baseis modified in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User selects a Base Engine Code basein the summary table. 2. The system enables the option “Modify” under maintenance menu. 3. User selects the option "Modify". 4. The system displays a popup dialog “Modify RAFM Code Base” with following fields:    * **Code Base Name**: noneditable field;    * **Code Base Type**: noneditable field;    * **Mandatory**: editable checkbox; 5. User updates the required field and selects “Save” button. 6. The system processes update and updates the summary grid. 7. A confirmation message is displayed by the system:   “RAFM Code baseis successfully saved” |
| Alternate 5.2 |  |
| Alternate | If user selects the “Cancel” button, system will stop the processing and use case is aborted |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2120 The system shall allow an authorised user to modify an existing code base in the ‘whitelist’. | | | |
| The system shall allow the user to modify an existing code basein the ‘whitelist’. User shall be allowed to modify only the below field:   * Mandatory:   Possible values: checked (Yes) or unchecked (No); | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| RQ-2123 User should be able to modify Base Engine code base in the system if the user has necessary Permission(s). | | | |
| Please refer BP009-User Manger Appendix ‘User Roles Permissions’’ for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SDS052 Create ‘whitelist’ BU Bridge Aggregator Code Base Management

System Administration -> BU Bridge Aggregator Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has necessary permissions. |
| Post-condition | BU Bridge Aggregator Code base is created in the system and available in the summary table. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. User navigates to “System Administration” -> “BU Bridge Aggregator Code Base Management”.  2. User selects the option "Create" under “Maintenance” menu.  3. System displays a pop up window “Create RAFM Code Base” with following fields for the user to enter.   * Code Base Name: Text Field; * **Code Base Type**: drop-down list ; * **Mandatory**: Checkbox field;   4. User fills in the required fields;  5. User selects the button “Save” available on the dialog.  6. System creates new BU Bridge Aggregator Code base in the summary table.  7. A confirmation message is displayed by the system:  “RAFM Code baseis successfully saved” |
| **Alternate 5.1** |  |
| Alternate | If the name of code baseentered by user is existing in the system for the any of the code base type (i.e. RSG/API/ BU Bridge Aggregator) system throws an error and use case is aborted.  Refer use case “SDS048 – Create RAFM Base Engine Code base(s)” for more details on RSG/API Code bases. |
| **Alternate 5.2** |  |
| Alternate | User choose the option “Cancel”, system will stop the processing |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2050 The system shall allow an authorised user to add (create) BU Bridge Aggregator Code base in the system | | | |
| The system shall allow the user to add (create) a BU Bridge Aggregator Code base. The following fields shall be displayed for the user to enter (on “Create RAFM Code Base” dialog):   * **Code Base** **Name**: In this field user shall define the name of the code base. Any free text name shall be accepted by the system in this field except for the following special character(s):   ^ : ~ | , ' . ` ! @ # $ £ % & \* ( ) + { } [ ] " ; < > ? / = and white spaces.   * Code Base Type:   Possible value: BU Bridge Aggregator.   * Mandatory:   Possible values: Checked as Yes, No; | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |
| **RQ-2051 BU Bridge Aggregator Code base name must be unique across all Code base types** | | | |
| User shall not be allowed to create a BU Bridge Aggregator Code base with a name which is already existing in system for any code base across all code bases types (RSG/API/ BU Bridge Aggregator).  Refer use case “SDS048 – Create RAFM Base Engine Code base(s) to the whitelist” for more details on RSG/API Code bases. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |
| **RQ-2052 User should be able to view or manage (create/modify/~~delete~~) BU Bridge Aggregator Code base in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SDS053 View ‘whitelist’ BU Bridge Aggregator Code base(s)

System Administration -> BU Bridge Aggregator Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User must have necessary permissions. |
| Post-condition | BU Bridge Aggregator Code base(s) are displayed in the summary grid. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to “System Administration” -> “BU Bridge Aggregator Code Base Management” 2. Summary table of RAFM Code base(s) is displayed in the system. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2053 User should be able to view all the available BU Bridge Aggregator Code base(s) in the summary table of BU Bridge Aggregator Code base(s)** | | | |
| The following fields shall be displayed in the summary table for each BU Bridge Aggregator Code base record.   * **Code Base** **Name**: Name of the BU Bridge Aggregator Code base. * **Code Base** **Type**: Type of the BU Bridge Aggregator Code base. * **Mandatory**: Possible values: checked (Yes) or unchecked (No); | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |
| R**Q-2054 User should be able to view BU Bridge Aggregator Code base(s) in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager->User Roles Permissions” for more details on relevant roles and permissions | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SDS055 Modify ‘whitelist’ BU Bridge Aggregator Code base(s)

System Administration -> BU Bridge Aggregator Code Base Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User must have necessary permissions. |
| Post-condition | BU Bridge Aggregator Code base is modified in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User selects a BU Bridge Aggregator Code base in the summary table. 2. The system enables the option “Modify” under “Maintenance” menu. 3. User selects the option "Modify" under “Maintenance” menu. 4. The system displays a popup dialog “Modify a RAFM Code Base” with following fields:  * **Code Base Name**: noneditable field; * **Code Base Type**: noneditable field; * **Mandatory**: editable field;  1. User updates the required field and selects “Save” button. 2. The system processes update and updates the summary grid. 3. A confirmation message is displayed by the system:   “RAFM Code base is successfully saved” |
| **Alternate 5.2** |  |
| Alternate | User choose the option “Cancel”, system will stop the processing |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2057 The system shall allow an authorized user to Modify an existing Code base in the system** | | | |
| The system shall allow the user to modify an existing Code base in the system. User must be allowed to modify only the below field:   * Mandatory:   User can select one of the possible values: checked (Yes) or unchecked (No); | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |
| **RQ-2059 User must be able to modify BU Bridge Aggregator Code base in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager ->User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SDS056 Create Pools for RAFM

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User must have necessary permissions. |
| Post-condition | Pool is created in the system and available in the summary table. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. User navigates to “System Administration” -> “Pool Management”.  2. User selects the option "Create" under “Maintenance” menu.  3. System displays a pop-up window “Create new Pool” with following fields for the user to enter.   * **Pool Name**: Text Field; * **Pool Category**: drop-down field; * No. Of Cores: Integer field; * **Pool Enable**: Checkbox field;   4. User fills in the required fields;  5. User selects the button “Save” available on the dialog.  6. System creates a new pool in the summary table.  7. A confirmation message is displayed by the system:  “Pool saved successfully” |
| **Alternate 5.1** |  |
| Alternate | If the name of pool entered by user is existing in the system for the any of the Pool Category system throws an error and use case is aborted. |
| **Alternate 5.2** |  |
| Alternate | User choose the option “Cancel”, system will stop the processing |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2093 The system shall allow an authorized user to create a Pool in the system | | | |
| The system shall allow the user to create a Pool. The following fields shall be displayed for the user to enter (on “Create Pool” dialog) for creating a Pool.   * **Name**: In this field user shall define the name of the pool. Any free text name shall be accepted by the system in this field except for the following special character(s):   ^ : ~ | , ' . ` ! @ # $ £ % & \* ( ) + { } [ ] " ; < > ? / = and white spaces.  Pool names shall be case sensitive.   * Pool type:   Possible values: Pool\_Prod, Pool\_SB, Pool\_BigBang, Pool\_RSG  User can select one of the pool categories from the drop-down list.   * **No. Of Cores:** number of computers;   User can enter any number in this fields.   * Enable Pool:   Possible options: Checked - yes, Unchecked - no;  User can modify the option for this field. By default the option is checked. Please refer to the use case “SAD058 Enable a Pool” for more details. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2094 Pool name must be unique across all Pool Categories** | | | |
| System shall not accept a pool name with a name which is already existing in system across the pool types. Pool names shall be case sensitive. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2095 User must be able to view or manage (create/modify/Enable /Disable/Delete) Pools in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SDS057 Modify Pool

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User must have necessary permissions. |
| Post-condition | Pool is modified in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. User selects a Pool in the summary table. 2. The system enables the option “Modify” under maintenance menu. 3. User selects the option "Modify". 4. The system displays a popup dialog “Modify Pool” with following fields:  * **Name**: editable Field; * **Pool Type**: editable drop-down field ; * **No. Of Cores:** editable integer field; * **Enable Pool**: editable checkbox field.  1. User updates the required field(s) and selects “Save” button. 2. The system processes update and updates the summary grid. 3. A confirmation message is displayed by the system:   “Pool saved successfully” |
| **Alternate 5.1** |  |
| Alternate | If the name of pool entered by user is existing in the system for the any of the pool type (Pool\_Prod or Pool\_SB), system throws an error and use case is aborted.  Note: Pool names are case sensitive. |
| **Alternate 5.1** |  |
| Alternate | User choose the option “Cancel”, system will stop the processing |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2096 The system shall allow an authorized user to Modify an existing Pool in the system | | | |
| The system shall allow the user to modify an existing Pool in the system. User shall be allowed to modify the following fields:   * **Name**: In this field user can define a new name of the Pool. Any free text name shall be accepted by the system in this field except for the following special character(s):   ^ : ~ | , ' . ` ! @ # $ £ % & \* ( ) + { } [ ] " ; < > ? / = and white spaces.  Pool name shall be case sensitive.   * Pool type:   User can modify pool type from the drop-down list   * No. Of Cores:   User can enter any other integer number in this fields.   * Enable Pool:   User can modify availability of the Pool. Please refer to the use case “SAD058 Enable a Pool” for more details. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2097 User must be able to modify a Pool in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2098 Pool name must be unique across all pool types** | | | |
| Upon modify action user shall not be allowed to modify a name of a pool with a name which is already existing in system. Pool names shall be case sensitive. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SAD058 Enable Pool(s)

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected Pool is disabled |
| Post-condition | The selected Pool is enabled and available to handle runs |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects one or more Pools (via checkbox available for each Pool).  2. The user select the option “Enable”.  3.The system displays a popup window asking confirmation from user.  4. The user selects the "Yes" button.  5. The system makes the pool(s) available for a process. |
| **Alternate 2.1** | |
| Alternate | If any of the selected pool is not in status disabled, the enable button is disabled |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button “No”, the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2060 The system shall allow the user to enable one or more RAFM pools**** | | | |
| When a Pool is enabled, it will be available to handle runs. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2061 User should be able to Enable Pool(s) in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SAD059 Disable Pool(s)

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected Pool/s is/are in status 'Available' or 'Reserved' |
| Post-condition | The Pool(s) is/are disabled and no longer available to handle runs |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects one or more pools in the pool summary table (via checkbox available for each pool).  2. The user selects the option “Disable”.  3. The system displays a popup asking confirmation from the user.  4. The user selects the button "Yes".  5.System disables the pool. |
| **Alternate 2.1** | |
| Alternate | If any of the selected pool is not in status enabled, the disable button is disabled. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button “No” the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2062 The system shall allow the user to disable one or more pools** | | | |
| When a Pool is disabled, it will not be available to handle runs. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2063 User should be able to disable Pool(s) in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SDS060 View Pool(s)

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User must have necessary permissions. |
| Post-condition | Created Pool(s) are displayed in the summary grid. |

|  |  |
| --- | --- |
| Scenarios | |
| Basic Path | |
| Basic Path | 1. User navigates to Pool Management. 2. Summary table of Pool(s) is displayed in the system. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2099 User should be able to view created Pool(s) in the summary table of Pool(s)** | | | |
| The following fields shall be displayed in the summary table for each Pool record.   * **Pool Name**: Name of the pool * **Pool Type**: Type of the pool. It can be either Pool\_SB, Pool\_Prod, Pool\_BigBang, or Pool\_RSG; * **Pool Enabled**: Availability of the pool as set by user.   Possible values: Yes / No   * **No. Of Cores:** number of cores allocated to the pool; * **Pool Status**: Status of the pool. Status of the pool is set by system based on the availability of pool in the system.   Possible values: Available / Reserved. | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2100 User should be able to view pool(s) in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix:” BP009 User Manager -> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Type | : | Functional |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |

## SAD061 Delete Pool(s)

System Administration -> Pool Management

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected Pool/s is/are in status 'Available'. |
| Post-condition | The Pool(s) are is/no longer available in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects one or more pools in the pool summary table (via checkbox available for each pool).  2. The user selects the option “Delete” under Maintenance menu.  3. The system displays a popup asking confirmation from the user.  4. The user selects the button "Yes".  5.Seleted Pool(s) is/are deleted from the system. |
| **Alternate 2.1** | |
| Alternate | If there are no “Available” or “Disabled” pools, the Delete button is disabled. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button “No” the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2064 The system shall allow the user to delete one or more pools** | | | |
| The system shall allow the user to delete the pools which are in “Available” or “Disable” status. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.0.0.0 |
| From | : | Irram Sherwani |
| **RQ-2065 User must be able to Delete Pool(s) in the system if the user has necessary Permission(s)** | | | |
| Please refer to Appendix: “BP009 User Manager-> User Roles Permissions” for more details on relevant roles and permissions. | Status | : | Open |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | Irram Sherwani |

## SAD035 Enable a Server on Status screen

System Administration > Status > Calculation Engine (drop-down list)> RAFM / RSG / Post-Processing

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected server is disabled. |
| Pre-condition | The selected server is enabled and available to handle processes. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects one or more servers.  2. The user selects the option “Enable server”.  3. The system displays a popup window asking confirmation.  4. The user selects "Yes" button.  5. The system makes the server(s) available for a process. |
| **Alternate 2.1** | |
| Alternate | If there is at least one server selected with status 'Available' or 'Reserved', the Enable button is disabled. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button “No”, the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2069 The system shall allow the user to enable one or more servers**** | | | |
| When a server is enabled, it will be available to handle a process.  A new added server is by default enabled. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | 6.1.0.0 |
| **From** | : | **Irram Sherwani** |

## SAD036 Disable a Server on Status Screen

System Administration > Status > Calculation Engine (drop-down list)> RAFM / RSG / Post-Processing

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected server/s is/are in status 'Available' or 'Reserved' |
| Post-condition | The server/s is/are disabled and no longer available to handle processes |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects one or more servers in the server overview screen.  2. The user selects the option “Disable server”.  3. The system displays a popup asking confirmation to the user.  4. The user selects the button "Yes".  5. The system disables the server/s. If the server/s  was/were processing, the system shall wait until the run is completed and then disable the server/s. |
| **Alternate 2.1** | |
| Alternate | If there is at least one server selected with status 'Disabled', the disable server button is disabled. |
| **Alternate 4.1** | |
| Alternate | If the user clicks the button “No” the use case is aborted. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2070 The system shall allow the user to disable one or more server**** | | | |
| If the server is processing, the system shall execute the run until it is completed (successful or failed) and then disable the server.  If the run is part of a batch process, the system shall carry on to completion all runs included in the batch process and only after the batch is completed, disable the server. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | 6.1.0.0 |
| **From** | : | **Irram Sherwani** |

## SAD062 Create Task runner configuration

System Administration > Task runner configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission “RAFM and Task Runner Configuration Manager” |
| Pre-condition | The geography selected is PruGroup. |
| Post-condition | The new configuration version of task runner version is added to the list of available ones. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the task runner configuration summary table.  2. The user selects the option "Create" from the maintenance menu.  3. The system displays a popup dialog with the following fields for the user to fill in:  - Task runner version: text field;  - Location: a dropdown list is populated with the pre-defined task runner locations entries, set in the icm.properties file  - Executable: non-editable field, auto populated upon selection of location filed with an associated Task runner executable.  - Template File: user can upload the RAFM\_parameters in form of a.rtk file.  4. The user fills in all the requested fields.  5. The user selects the button "Save".  6. The system creates a new configuration version of a task runner version and updates the summary table. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "Cancel" the use case is aborted. |
| **Alternate 5.2** | |
| Alternate | The system gives an error message if the task runner version entered by the user is not unique i.e. the same task runner version already exists on the configuration page. |
| **Alternate 5.3** |  |
| Alternate | The system gives an error message if the Task Runner Template File contains unsupported placeholders.  Placeholders that are supported by the system can be found in the “Appendix: Template File”. |

### Requirements

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ****RQ-2256**** The system shall allow the user to create a task runner configuration for a version of task runner | | | | | | | | |
| The system shall allow the user to create a task runner configuration for a version of task runner which contains the following mandatory configurations:  - Task runner version: text field for entering user defined task runner version.  - Location: dropdown list with the pre-defined task runner locations entries, set in the icm.properties file for property rafm.taskrunner.cmd.  rafm.taskrunner.cmd property format:  rafm.taskrunner.cmd=<location>/<executable name>  the above property value has two parts, first location and second executable name. Only the location part of the property value shall be listed.  Example:  rafm.taskrunner.cmd=C:/Program Files (x86)/Willis Towers Watson/RiskAgility FM Task Runner/2.8/RafmTaskRunner.exe,C:/Program Files (x86)/Willis Towers Watson/RiskAgility FM Task Runner/2.9/RafmTaskRunner.exe  The System will take the full path before the last “/” separator as location.  - Executable: This is auto-populated upon selection of the location in ‘Location’ field, with the task runner executable name associated with the location/execution server selected.  Example:  rafm.taskrunner.cmd=C:/Program Files (x86)/Willis Towers Watson/RiskAgility FM Task Runner/2.8/RafmTaskRunner.exe,C:/Program Files (x86)/Willis Towers Watson/RiskAgility FM Task Runner/2.9/RafmTaskRunner.exe  The System will take the last part of the path after the last “/” separator as executable.  - Template File: A text file template that forms the template for the .rtk file can be uploaded.rtk  The format of the file shall be text and extension shall be \*.txt.  For more details on the content and the format of the file, Please refer to RQ-2288 and Appendix: Template File. | | **Status** | | : | | | **Closed** | |
| **Type** | | : | | | **Functional** | |
| **Phase** | | : | | | **Unassigned** | |
| **From** | | : | | | **Irram Sherwani** | |
| ****RQ-2288 Template file shall be used for generation of the RAFM\_parameters.rtk file that serves as an input for task runner to execute the run**** | | | | | | | | |
| Configuring a separate parameter template file per configuration version of each Task Runner version, gives the ICM flexibility to support more than one version of Task Runner.  Template file uploaded by the user shall be used by system to generate RAFM\_parameters.rtk file.  The RAFM\_Parameters.rtk file shall be generated by the system upon triggering the run (RSG stand alone run/ Assumption set run/batch run/shred runs/bulk run) and is sent to RAFM Task runner for each run along with other required inputs (for execution of the run).  Refer Use Case ASM009, ASM031 in Assumption set BP for more details on Assumption set runs /Batch runs /Shred runs / Bulk runs and inputs of run sent to task runner.  Refer to use case SCN011 in Scenarios BP for more details on RSG stand alone run and inputs of run sent to task runner.  The template file shall be a text file containing:   * *Single-line comments* which must begin with a ‘#’ character. These rows will be included verbatum in the RTK file along with empty rows. * *constant parameters*. The system accepts the constant parameters in the template file with its pattern. The constant parameter follows the pattern xxx=yyy where “xxx” is a constant parameter name and “yyy” is a constant parameter value. The system shall accept any constant parameter names and values without extra validation. * *parameter placeholders*. The system recognizes the placeholders in the template file with its pattern. The placeholder follows the pattern ${xxx:yyy} where “xxx” is the placeholder type and “yyy” is the parameter placeholder name. System recognizes next placeholder types: * *run* is the indication that the corresponding placeholder value will be derived from the run and its inputs. * *property* is an indication that placeholder value will be derived from the ICM properties files * *config* is an indication that the placeholder value will be derived from the ICM Configuration page under the System Administration menu   Upon upload, the template will be validated ensuring that all placeholders are resolvable. If any of the parameter placeholder available in the file is not resolvable by system, then system shall give an error message and template file shall be rejected by system.  Upon generation of RAFM\_parameter.rtk file, system shall export all defined (via template file) parameters/placeholders:   * Export Single-line comments * Export/resolve values of the *parameter placeholders* * Export names and values of the *constant parameters*   Please refer to appendix: Template file for more details on *parameter placeholders*. | |  | |  | | |  | |
|  | |  | | |  | |
|  | |  | | |  | |
|  | |  | | |  | |
| **RQ-2257 User should be able to Create a new Task Runner Configuration in the system** | | | | | | | | |
| User must have permission “RAFM and Task Runner Configuration Manager” to create a new Task Runner Configuration in the system.  It is possible only on PruGroup geography | | Status | | | : | | | Open |
| Type | | | : | | | Functional |
| Phase | | | : | | | 5.6.0.0 |
| From | | | : | | | Irram Sherwani |
| ****RQ-2258**** The system shall assign a version number to each configuration of a Task runner version | | | | | | | | |
| The version number assigned to a new created configuration of a task runner version shall be 1.0. | **Status** | | : | | | **Closed** | | |
| **Type** | | : | | | **Functional** | | |
| **Phase** | | : | | | **Unassigned** | | |
| **From** | | : | | | **Irram Sherwani** | | |

## SAD063 Modify Task runner configuration

System Administration > Task runner configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The Geography selected in PruGroup |
| Pre-condition | At least one configuration version of a task runner version is available in the system i.e. Use case SAS62 “Create Task runner configuration” is complete. |
| Post-condition | A new configuration version of a task runner version is created in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a configuration version of a task runner version from the summary table.  2. The user selects the option "Modify" from the maintenance menu.  3. The system displays a pop up with following fields:  - Task runner version: not modifiable;  - Version: not modifiable;  - Location: Editable dropdown field;  - Executable: noneditable field, auto populated upon selection of location in ‘Location’ field.  - Template file: Editable upload field;  4. User modifies the relevant fields.  5. The user selects the button "Save".  5. The system creates a new configuration version of selected task runner version. System bumps/increases the latest configuration version number of task runner version by 1. (Refer RQ-2261 for more details)  6. The system updates the task runner configuration summary table |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "Cancel" the use case is aborted |
| **Alternate 5.2** |  |
| Alternate | The system gives an error message if the Task Runner Template File contains unsupported placeholders.  Placeholders that are supported by the system can be found in the “Appendix: Template File”. |

### Requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ****RQ-2259 The system shall allow the user to modify a configuration version of a task runner version**** | | | | | | |
| The system shall allow the user to modify the following attributes:  - Location: User can choose any other location from the list of available locations in the dropdown.  - Executable: non-editable field, auto populated upon selecting location in ‘Location’ field.  - Template file: user can upload new template file in this field. Refer to RQ-2288 Use Case ‘SAD062 Create Task runner configuration’ for more details on template file and the validations upon upload. | | **Status** | | : | | **Closed** |
| **Type** | | : | | **Functional** |
| **Phase** | | : | | **Unassigned** |
| **From** | | : | | **Irram Sherwani** |
| RQ-2260 User should be able to modify the configuration version of task runner version in the system | | | | | | |
| User must have permission “RAFM and Task Runner Configuration Manager” to modify an existing Task Runner Configuration in the system.  It is possible only on PruGroup geography | Status | | : | | Open | |
| **Type** | | : | | **Functional** | |
| **Phase** | | : | | **Unassigned** | |
| **From** | | : | | **Irram Sherwani** | |
| ****RQ-2261 The system shall create a new version of a task runner configuration version upon modify action**** | | | | | | |
| Each configuration version of Task Runner will be version controlled.  Each successful modification of a given configuration will create a new instance with a higher configuration version number by 1.0 (1.0 -> 2.0; 3.0 -> 4.0). | **Status** | | : | | **Closed** | |
| **Type** | | : | | **Functional** | |
| **Phase** | | : | | **Unassigned** | |
| **From** | | : | | **Irram Sherwani** | |

## SAD064 View Task runner configuration

System Administration > Task runner configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The Geography selected in PruGroup |
| Pre-condition | At least one configuration version of a task runner version is available in the system i.e. Use case SAS62 “Create Task runner configuration” is complete. |
| Post-condition | The list of all configurations versions (of each task runner version) stored in system is displayed to the user |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays list of all configurations versions (of each task runner version) stored in system. |

### Requirement

|  |  |  |  |
| --- | --- | --- | --- |
| RQ-2262 User should be able to view a configuration version of a task runner version in the system | | | |
| User must have permission “RAFM and Task Runner Configuration Manager” to view an existing Task Runner Configuration in the system.  It is possible only on PruGroup geography | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-2263 The system shall allow the user to view the list of task runner configuration versions available in the system**** | | | |
| The system shall display the list of all the configuration versions of the task runner versions stored in the system, showing the following information in the ’Task Runner Configuration’ summary table:   * Task runner version; * Version: configuration version of a task runner version; * Location; * Executable; * Template file name: name of parameter file uploaded by user; * Comment | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| ****RQ-2264 The system shall display the events table a configuration versions (of a task runner versions)**** | | | |
| This window is active when a configuration version of any task runner version is selected in the summary table.  The system should display the following information:  - Type: type of action performed on the configuration version of a task runner version;  - User: userID of the user that has performed the action;  - Local date: date and time on which the action was performed in the local time zone of the user;  - System date.  The system shall show the list of events that have been performed on a selected configuration version of task runner version. The system will show the following events:  -Created;  -Modified; | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD065 Delete a Task runner configuration

System Administration > Task runner configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | At least one configuration of a task runner version is available in the system i.e. Use case SAS62 “Create Task runner configuration” is complete. |
| Pre-condition | None of the Task Runner Configuration Versions are included in a RAFM configuration. |
| Post-condition | The selected task runner version (all its configuration versions) is not visible to users in the summary table |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a configuration version of a task runner version in the summary table.  2. The user selects the option “Delete”.  3. The system displays a confirmation message.  5. The system removes all the configuration versions of a selected task runner version from the system and updates the summary and events table. |
| **Alternate 4.1** | |
| Alternate | If the user selects "Cancel" the use case is aborted. |
| **Alternate 4.2** | |
| Alternate | If any of the configuration version of a task runner version has been included in a RAFM configuration, then the delete button is disabled. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2265 The system shall allow the user to delete a task runner configuration**** | | | |
| **The system shall allow the user to delete a task runner configuration** if none of the configuration versions of the task runner configuration (selected) is used in a RAFM configuration. Upon deletion of any task runner version, the system removes the entire task runner configuration from the system and updates the summary table.  If any of the configuration version of a task runner version is used in RAFM configuration then delete button shall be disabled. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD066 Download Template File

System Administration > Task runner configuration

### **Use Case**

|  |  |  |
| --- | --- | --- |
| **Constraints** | | |
| Pre-condition | At least one configuration version of a Task Runner version is available in the system i.e. Use case SAS62 “Create Task runner configuration” is complete. | |
| Post-condition | | Template file is downloaded and available to user in the same format that it was uploaded |
|  | |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. User selects the configuration version of task runner version. 2. “Download Template file” menu option under “Download” menu button is enabled. 3. User selects the "Download Template file” option under Download menu button. 4. System downloads the Template file uploaded for the task runner configuration version by user. |

### **Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-2266 User should be able to download the template file from the system** | | | |
| User must have permission "RAFM and Task Runner Configuration Manager" to Download Template File of the desired version of Task Runner Configuration in the system.  It is possible only on PruGroup geography | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| **RQ-2267 The system shall allow the user to download the template file of parameter file** | | | |
| System shall allow the user to download the template file. The template file downloaded shall be exactly same (in name and content) as uploaded by user (for a configuration version of a task runner version selected). For more details on the format of the template file please refer to RQ-2288 of Use Case SAD062 – ‘Create Task runner configuration’ and [Appendix: [Appendix:](#_Validations_–_Simulation/What-if)Template file](#_Validations_–_Simulation/What-if) | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD067 Create RAFM configuration

System Administration > RAFM Configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The geography selected is PruGroup. |
| Pre-condition | User has permission “RAFM and Task Runner Configuration Manager” |
| Pre-condition | At least one configuration version of a task runner version is available in the system i.e. Use case SAS62 “Create Task runner configuration” is complete. |
| Post-condition | The new configuration version of a RAFM version is added to the list of available ones. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the RAFM configuration summary table.  2. The user selects the option "Create" from the maintenance menu.  3. The system displays a popup with the following fields for the user to fill in:  - RAFM version: text field;  - Task runner configuration version: 2 dropdown fields containing list of task runner versions in first dropdown and configuration versions of selected task runner version in second dropdown.  4. The user fills the requested fields.  5. The user selects the button "Save".  6. The system creates a new configuration version of a RAFM version and updates the RAFM configuration summary table. |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "Cancel", the use case is aborted. |
| **Alternate 5.2** | |
| Alternate | The system gives an error message if the RAFM version entered by the user is not unique i.e. same RAFM version already exists in system. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2268 The system shall allow the user to create a configuration version of a RAFM version**** | | | |
| The user shall be able to create a RAFM configuration which maps the relationship between a version of a RAFM project and the associated version of task runner that must be used.  The system shall allow the user to enter the following fields for creating a configuration version of a RAFM version:  - RAFM Version: text field for entering user defined RAFM version.  - Task runner configuration version: user can select any task runner version and its corresponding configuration version from the dropdown fields.  - Comments: free text field. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |
| RQ-2269 User should be able to create the RAFM configuration in the system | | | |
| User must have permission "RAFM and Task Runner Configuration Manager" to create a new RAFM Configuration in the system.  It is possible only on PruGroup geography | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD068 Modify RAFM configuration

System Administration > RAFM Configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The Geography selected in PruGroup. |
| Pre-condition | User has permission “RAFM and Task Runner Configuration Manager” |
| Pre-condition | At least one configuration version of a RAFM version is available in the system i.e. Use case SAS67 “Create RAFM configuration” is complete. |
| Post-condition | A new configuration version of a RAFM version is created in the system. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a configuration version of a RAFM version from the summary table.  2. The user selects the option "Modify" from the maintenance menu.  3. The system displays a pop up window with the following fields for the user to enter:  - RAFM version: not modifiable;  - Version: not modifiable;  - Task runner configuration version: modifiable 2 dropdown fields.  - Comments: free text field.  4. User modifies the relevant fields.  5. The user selects the button "Save".  6. The system creates a new configuration version of a RAFM version. System bump/increase the latest configuration version number of RAFM version by 1.  7. The system updates the RAFM configuration summary table |
| **Alternate 5.1** | |
| Alternate | If the user selects the button "Cancel" the use case is aborted |

### Requirements

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ****RQ-2270 The system shall allow the user to modify a configuration version of RAFM version**** | | | | | | | | |
| The system shall allow the user to modify the following attributes:  - Task runner configuration version: User can enter any other Task runner configuration version from the available list in this field.  - Comments: free text field. | | | **Status** | : | | | | **Closed** |
| **Type** | : | | | | **Functional** |
| **Phase** | : | | | | **Unassigned** |
| **From** | : | | | | **Irram Sherwani** |
| ****RQ-2271 The system shall create a new version of the task runner configuration version**** | | | | | | | | |
| Each configuration of a RAFM version will be version controlled. The version number shall increase upon each modification action (when any of the editable configuration values will be changed and saved in system).  Upon modify action when the user modifies and saves the configuration version of a RAFM version, system shall always create a new configuration version of a RAFM version in the summary table.  System shall assign a version number to each configuration version of a RAFM version created upon modify action based on the below logic:   1. For each configuration version of a RAFM version being modified, System shall first look for the latest configuration version number of a RAFM version available in the system. 2. Once the latest configuration version number is identified, system shall bump/increase the latest version number by 1.0(i.e. add 1.0 to the latest available version) Example: 1.0 -> 2.0,   3.0 -> 4.0   1. The version number derived in step 2 is then allocated to a new configuration version of a RAFM version created in the summary table upon modify action. | | **Status** | | | | : | **Closed** | |
| **Type** | | | | : | **Functional** | |
| **Phase** | | | | : | **Unassigned** | |
| **From** | | | | : | **Irram Sherwani** | |
| **RQ-2272 User should be able to modify a RAFM configuration version in the system if the user has following role and permission(s) assigned** | | | | | | | | | |
| Please refer to [Appendix: BP-009 User Manager/User Roles Permissions](#BKM_65226057_7BC6_4d67_AEE1_51603F7EEA47) for more details on Roles and Permissions | | Status | | | | : | | Open | |

## SAD069 View RAFM configuration

System Administration > RAFM Configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The Geography selected in PruGroup |
| Pre-condition | At least one configuration version of a RAFM version is available in the system i.e. Use case SAS67 “Create RAFM configuration” is complete. |
| Post-condition | The list of RAFM configuration versions (of each RAFM version) stored in the system is displayed to the user |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays list of all RAFM configuration versions (of each RAFM version) stored in the system. |

### Requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| RQ-2273 User should be able to view a configuration version of a RFM version in the system if the user has following role and permission(s) assigned | | | | | | |
| Please refer to [Appendix: BP-009 User Manager/User Roles Permissions](#BKM_65226057_7BC6_4d67_AEE1_51603F7EEA47) for more details on Roles and Permissions. | | Status | | : | | Open |
| ****RQ-2274 The system shall allow the user to view a list of configuration versions of a RAFM version available in the system**** | | | | | | |
| The system shall display the list of all configuration versions (of each RAFM version) stored in the system, showing the following information in RAFM configuration summary table:  - RAFM Version;  - Version: configuration version of RAFM version.  - Task runner configuration version; | **Status** | | : | | **Closed** | |
| **Type** | | : | | **Functional** | |
| **Phase** | | : | | **Unassigned** | |
| **From** | | : | | **Irram Sherwani** | |
| ****RQ-2275 The system shall display the events table for a configuration version of a RAFM version**** | | | | | | |
| This window is active when a configuration version of a RAFM version is selected in summary table.  The system should display the following information:  - Type: type of action performed on the RAFM configuration version;  - User: userID of the user that has performed the action;  - Local date: date and time on which the action was performed in the local time zone of the user;  - System date.  The system shall show the list of events that have been performed on a selected configuration version of RAFM version. The system will show the following events:  -Created;  -Modified;  -Locked as being modified. | **Status** | | : | | **Closed** | |
| **Type** | | : | | **Functional** | |
| **Phase** | | : | | **Unassigned** | |
| **From** | | : | | **Irram Sherwani** | |

## SAD070 Delete RAFM configuration

System Administration > RAFM Configuration

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | At least one configuration version of a RAFM version is available in the system i.e. Use case SAS68 “Create RAFM configuration” is complete. |
| Pre-condition | The geography selected is PruGroup. |
| Pre-condition | None of the configuration versions of selected RAFM version is used in a run. |
| Post-condition | The selected RAFM version (all its configuration versions) is not visible to users in the summary table |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects a configuration version of a RAFM version from the RAFM configuration summary table.  2. The user selects the option "Delete" from the maintenance menu.  3. The system displays a confirmation message.  4. The system removes all the configuration versions of the selected RAFM version from the system and updates the summary and events table. |
| **Alternate 4.1** | |
| Alternate | If the user selects "Cancel" the use case is aborted. |
| **Alternate 4.2** |  |
| Alternate | If any of the configuration versions of selected RAFM version is used in a run, then the delete button is disabled. |

### Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ****RQ-2276 The system shall allow the user to delete a RAFM configuration version**** | | | |
| **The system shall allow the user to delete a RAFM configuration version** if none of the configuration version of a RAFM version is used in a run. Upon deletion of any configuration version of RAFM version, system removes all the configuration versions of the selected RAFM version from the system and updates the summary and events table.  If any of the configured version of the RAFM version is used in run then delete button shall be disabled. | **Status** | : | **Closed** |
| **Type** | : | **Functional** |
| **Phase** | : | **Unassigned** |
| **From** | : | **Irram Sherwani** |

## SAD071 View Confidence Interval profiles summary Table

System Administration > Confidence Interval Profiles

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission Confidence interval profiles Manager. |
| Pre-condition | The geography selected is PruGroup. |
| Post-condition | Confidence interval profiles summary table is available |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The user selects Confidence Interval Profiles option under System Administration menu 2. The system displays the Confidence Interval Profiles summary table |

### Requirements

|  |  |
| --- | --- |
| ****RQ-2301 The system shall allow the user to view the Confidence Interval Profiles summary table**** | |
| The user must have permission Confidence interval profiles Manager to be able to view the Confidence Interval Profiles summary table in the system. The Confidence Interval Profiles summary table is available only under PruGroup geography.  The user with the given permission have access to the option under System Administration menu -> Confidence Interval Profiles  Next options shall be available (depends on the user’s selection and status of the confidence interval profiles):   * Maintenance \Create; \Publish; \Unpublish * Download \Download * Filters \Enable Filters; \Select Filters   Confidence Interval Profiles summary table shall have the following columns (by order):   * Name; Name of the profile sets by user upon create a profile * Primary interval; primary interval as specified in the csv file uploaded when the profile was created * Secondary Interval(s); secondary interval(s) as it specified in the csv file uploaded when the profile was created * Status; profile status, for newly created profiles it is Unpublished * Creation Date; Date and Time of the created profile. | **8.1.0.0** |

## SAD071 Create Confidence Intervals profile

System Administration > Confidence Interval Profiles

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission Confidence interval profiles Manager. |
| Pre-condition | The geography selected is PruGroup. |
| Post-condition | The new confidence interval profile is created and added to the list of available ones. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | 1. The system displays the Confidence Interval Profiles summary table 2. The user selects the option Create from the Maintenance menu 3. The system displays a popup window Create New Profile where the user specifies a profile Name and selects a file with the confidence intervals using Browse.. button 4. The user presses Create button 5. System creates a new confidence interval profile and shows it on the summary table. Upon saving the profile, the ICM will timestamp the created date and time. It is not possible to delete or modify an existing profile. |
| **Alternate 4.1** |  |
| Alternate | The user selects the button Cancel, the use case is aborted. |
| **Alternate 5.1** |  |
| Alternate | The system will display an error message if the profile name entered by the user is not unique, i.e. a profile with the same name already exists. |
| **Alternate 5.2** |  |
| Alternate | The system will generate an error message if the user tries to upload a file with the wrong structure (*please check “RQ-2303 The system shall create a new confidence intervals profile” for more details*). |

### Requirements

|  |  |
| --- | --- |
| ****RQ-2302 The system shall allow the user to create a confidence intervals profile**** | |
| The user must have permission Confidence interval profiles Manager to be able to create a new confidence intervals profile in the system. A confidence intervals profile can only be created under PruGroup geography.  To create a new confidence interval profile user must select option Create under Maintenance menu. | **8.1.0.0** |

|  |  |
| --- | --- |
| ****RQ-2303 The system shall create a new confidence intervals profile**** | |
| User must enter the profile Name and select file with the confidence intervals using Browse.. button. After the user clicks the Create button, the system will check the file content and profile name for validity and create a new profile. Upon saving the profile, the ICM will timestamp the created date and time.  If the file does not match the defined parameters, the system will generate an error.  If the user tries to create a profile with a profile name that already exists, the system will generate an error that a profile with that name already exists.  System validates the uploaded file based on the next parameters:   * at least one confidence interval is specified. * there must be one (and only one) primary confidence interval. * there must not be duplicate confidence intervals. * two columns, where 1 row is a header (Confidence interval; Primary), headers are mandatory * the system will only take data from the columns under the 2 mandatory headings * file with more than 2 columns will be rejected with the error message: “Line number xxx: Two values are expected in each line.” * File with more than 2 headers will be rejected with the error message: “Wrong number of headers in the file. There are two headers expected: [Confidence Interval, Primary]” * value in the first column must be between 0 and 0.999999999999 * value in the second column must be 1 (for primary interval) or 0 (for secondary interval) * File extension: csv   Note: The system will process and use (both in the frontend and backend) the interval value exactly as it is set in the file. Example given for the value 0.99500:   * the visual representation of this value in the user interface (wherever it is provided) will be 0.99500 (including trailing zeros) * value in RAFM\_ICM\_Run\_Settings.csv will be 0.99500 * reports will be created with the addition of 0.99500 suffix to the report name (where applicable). | **8.1.0.0** |

|  |  |
| --- | --- |
| ****RQ-2304 The system shall not allow to delete or modify a confidence intervals profile**** | |
| It is not possible to delete or modify an existing confidence intervals profile. | **8.1.0.0** |

## SAD072 Publish / Unpublish Confidence Intervals Profile

System Administration > Confidence Interval Profiles

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission Confidence interval profiles Manager. |
| Pre-condition | The geography selected is PruGroup. |
| Pre-condition | At least one confidence intervals profile is created. |
| Post-condition | A confidence intervals profile is published / unpublished. |

|  |  |
| --- | --- |
| **Scenarios** | |
| Basic Path | 1. The system displays the Confidence Interval Profiles summary table 2. The user selects an unpublished confidence intervals profile 3. The user selects the option Publish from the Maintenance menu 4. The system prompts user to confirm the action, where user should press Yes 5. System changes the Status of the selected profile from Unpublished to Published 6. The published profile will be accessible for Assumption Sets -> Run Parameters across all geographies in the ICM. |
| Alternate 2.1 |  |
| Alternate | The user selects a published confidence intervals profile. |
| Alternate 3.1 |  |
| Alternate | If 2.1: The user selects the option Unpublish from the Maintenance menu. |
| Alternate 4.1 |  |
| Alternate | The user selects the button No, the use case is aborted. |
| Alternate 5.1 |  |
| Alternate | If 3.1: System changes the status of the selected profile from Published to Unpublished. |
| Alternate 6.1 |  |
| Alternate | If 5.1: The unpublished profile will not be accessible for Assumption Sets -> Run Parameters across all geographies in the ICM. |

### Requirements

|  |  |
| --- | --- |
| ****RQ-2305 The system shall allow the user to publish / unpublish a confidence intervals profile**** | |
| The user must have permission Confidence interval profiles Manager to be able to publish / unpublish a confidence intervals profile in the system. A confidence intervals profile can only be published / unpublished under PruGroup geography.  The user with the given permission have access to the option under System Administration menu, -> Confidence Interval Profiles. | **8.1.0.0** |
| ****RQ-2306 The system shall publish / unpublish a confidence intervals profile**** | |
| To publish / unpublish a confidence intervals profile user must select the option Publish or Unpublish under Maintenance menu.  For a published profile, the option Publish will not be available.  For an unpublished profile, the option Unpublish will not be available.  System will change the status of the confidence intervals profile from Published to Unpublished or from Unpublished to Published, based on the user action.  All published profiles will be accessible for Assumption Sets -> Run Parameters across all geographies in the ICM. | **8.1.0.0** |

## SAD073 Filter Confidence Interval Profiles

System Administration > Confidence Interval Profiles

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission Confidence interval profiles Manager. |
| Pre-condition | The geography selected is PruGroup. |
| Pre-condition | At least one confidence intervals profile has been created. |
| Pre-condition | The filters are enabled. |
| Post-condition | Only the items that match the filters applied are displayed in the Confidence Interval Profiles list. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | * + 1. The system displays Confidence Interval Profiles summary table     2. The user selects the option Filters from the Select Filters menu     3. The system displays a pop-up window containing the applicable filters     4. The user selects the required filters     5. The user selects the Save button     6. The system applies the filters to the Confidence Interval Profiles list and displays only items that match the selected filters |
| Alternate 5.1 | The user selects the button Clear, all items are unchecked |
| Alternate 5.2 | The user selects the button Cancel the use case is aborted. No changes will be saved |

### Requirements

|  |  |
| --- | --- |
| ****RQ-2307 The system shall allow the user to filter the confidence interval profiles list**** | |
| The user must have permission Confidence interval profiles Manager to be able to filter confidence interval profiles in the system. Confidence interval profiles are available only under PruGroup geography.  The system shall allow the user to filter the list according to the following criteria:   * Name (Includes / Excludes) * Status (Published / Unpublished) * Creation Date (Start (incl.) / End (excl.))   Once the Filter is enabled, the system shall filter the lists based on the set criteria.  Once the Filter is disabled, the system shall show the list of all available profiles. | **8.1.0.0** |

## SAD074 Download a Confidence Intervals Profile

System Administration > Confidence Interval Profiles

### Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | User has permission Confidence interval profiles Manager. |
| Pre-condition | The geography selected is PruGroup. |
| Pre-condition | At least one confidence intervals profile has been created. |
| Post-condition | A selected Confidence Intervals profile is downloaded |
|  |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** | |
| Basic Path | * + 1. The system displays Confidence Interval Profiles summary table     2. The user selects a confidence intervals profile     3. The user selects the option Download from Download menu     4. Confidence intervals profile is downloaded by the system and available to the user. |

### Requirements

|  |  |
| --- | --- |
| ****RQ-2308 The system shall allow the user to download a confidence intervals profile**** | |
| The user must have permission Confidence interval profiles Manager to be able to download a confidence intervals profile from the system. Confidence interval profiles are available only under PruGroup geography.  The system shall allow the user to download a selected published or unpublished confidence intervals profile.  Downloaded file shall be identical in format and content to the original file uploaded upon Create use case. | **8.1.0.0** |

# Appendices

1. Hierarchy Tree File

The hierarchy tree file should be a text file. The system will accept the extensions .agg and .txt.

The file has to be in the following format:

1st row – [aggregation]

2nd row - “Root name”,"","Business Unit”

From 3rd row: “Node Name”, “Parent Name” ,“Local Time Zone”, "Business Unit"

Example:

[aggregation]

"PruGroup","","Group"

"PCA","PruGroup", “[Asia/Thimphu](http://en.wikipedia.org/wiki/Asia/Thimphu)”,"PCA"

"Singapore","PCA",“[Asia/Thimphu](http://en.wikipedia.org/wiki/Asia/Thimphu)”,"PCA"

"Singapore IL","Singapore",“[Asia/Thimphu](http://en.wikipedia.org/wiki/Asia/Thimphu)”,"PCA"

"SG UnitLinked","Singapore IL",“[Asia/Thimphu](http://en.wikipedia.org/wiki/Asia/Thimphu)”,"PCA"

"SG UnitLinked Protection2" ,"SG UnitLinked",“[Asia/Bangkok](http://en.wikipedia.org/wiki/Asia/Bangkok)”,"PCA"

“GHO, “PruGroup”, “Europe/London”, “GHO”

“UKIO”, “PruGroup”, “Europe/London”, “UKIO”

"UKIO\_WP", "UKIO", "Europe/London", "UKIO"   
"UKIO\_Annuties", "UKIO", "Europe/London", "UKIO"

The file can contain more columns, the system will consider only the first 4 but will not reject the file.

The order of the rows after the 3th row do not need to be sorted in the logical hierarchy structure.

The system will stop processing when an empty row is encountered.

The system will stop processing and display and error message in the following cases:

- if the file includes 2 root nodes;

- if the file is blank;

- if there is a duplicate row;

- if there is an empty row that is followed by a non-empty row;

- if no nodes are included in the file.

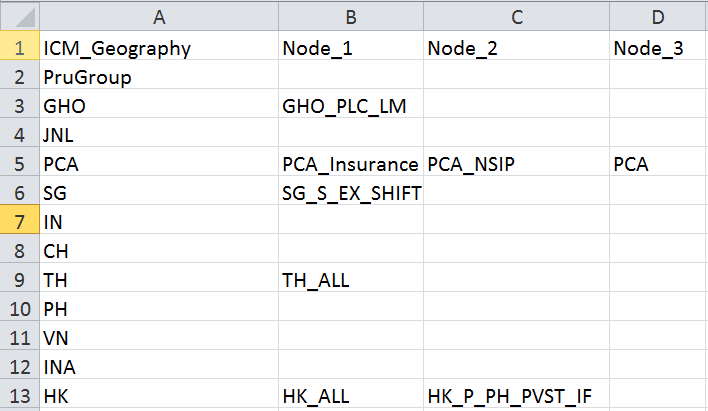
Refer to http://en.wikipedia.org/wiki/List\_of\_tz\_database\_time\_zones for the list of accepted time zones.

1. BU Reports Permission Table.

The file shall be in .csv format.

| Sr. No. | Column Headers | Description | Validations |
| --- | --- | --- | --- |
| 1 | ICM\_Geography | This column shall list the Geography Names | Geography column should contain all the valid set of geographies available in ICM system, If any of the geography is missing or not valid (i.e. not available in system) then system shall reject the file with an error pop-up:  “Geographies must be consistent with ICM” |
| 2 | Node…<number 1….n> | This column will list the ICM Entity Node names corresponding to each Geography row header that can be requested by an end user with access to said geography. | Same Node name should not be repeated for the same Geography. If any of the node is specified more than once for the same geography then system shall reject the file with an error pop-up”:  “The Geography <Geography> contains the following duplicated nodes: [<node\_list>]”, Where:  <Geography> is the first geography found by system while parsing the file, which has failed the validation.  <node\_list> is the node names of the geography which are specified more than once.  Note: Same node can be specified for multiple Geographies. |

Mock-Up:



1. Static Data Validation:

|  |  |  |
| --- | --- | --- |
| Sheet name | Column | Description |
| shred\_group | name | 1. Sheet name(s) and the corresponding column(s) must exist in static data. 2. Workbook does not contain invalid excel values in the file such as #NULL!, #DIV/0!, #VALUE!, #REF!, #NAME?, #NUM! and #N/A.  Note:- errors found outside of expected columns (data ranges) but within the workbook will not fail static data validation |
| shred | name |
| model\_type | type |
| description |
| model | model\_name |
| randomstreams |
| model\_type |
| vector\_parameter |
| dimension\_output |
| model\_parameter | model\_name |
| parameter\_name |
| model\_type |
| model\_precedent | model\_name |
| precedent name |
| model\_type |
| spec\_stress\_reeval\_family | risk\_family |
| currency |
| spec\_stress\_method | name |
| axis | name |
| axis\_value | axis |
| value |
| corr\_group | name |
| risk\_calibration\_metric | name |
| validation\_rule | name |
| random\_number\_generator | name |

1. Static Data Export file format and specifications:

Following sheets and columns per sheet shall be available in the Exported static data file.

The data within the columns will be same as what user uploaded for the corresponding sheets and columns in the Static data which is selected for export.

|  |  |  |  |
| --- | --- | --- | --- |
| Export sheet name | columns | Source sheet name(Import sheets) | Values from columns(import workbook) |
| shred\_group | name | shred\_groups | <name> |
| shreds | name | shreds | <name> |
| bb\_model\_precedents | model\_name | model\_precedent | <model\_name> where <model\_type> is "BB" |
| precedent\_name | model\_precedent | <precedent\_name> for the corresponding model names (of type "BB") |
| bb\_model\_parameters | model\_name | model\_parameter | <model\_name> where <model\_type> is "BB" |
| parameter\_name | model\_parameter | <parameter\_name> for the corresponding model names (of type "BB" ) |
| model\_precedents | model\_name | model\_precedent | <model\_name> where <model\_type> is "SIM" |
| precedent\_name | model\_precedent | <precedent\_name> for the model names of type  "SIM" |
| model\_parameters | model\_name | model\_parameter | <model\_name> where <model\_type> is "SIM" |
| parameter\_name | model\_parameter | <parameter\_name> for the corresponding model names (of type  "SIM") |
| model | name | <model> | <model\_name> where <model\_type> is "SIM" |
| randomstreams | <model> | <randomstreams> for the corresponding model\_name where model\_type equals "SIM" |
| vector\_parameter | <model> | <vector\_parameter> |
| dimention\_output | <model> | <dimention\_output> |
| nrs\_models | name | <model> | unique <model\_name> where <model\_type> is "NRS" |
| spec\_stress\_reeval\_family | risk\_family | spec\_stress\_reeval\_family | <risk\_family> |
| currency | spec\_stress\_reeval\_family | <currency> for the corresponding risk\_fmily |
| spec\_stress\_method | name | spec\_stress\_method | <name> |
| bb\_models | name | <model> | <model\_name> where <model\_type> is "BB" |
| axis | name | axis | <name> |
| axis\_value | axis | axis\_value | <axis> |
| value | axis\_value | <value> for the corresponding axis |
| corr\_groups | name | corr\_groups | <name> |
| risk\_calibration\_metric | name | risk\_calibration\_metric | <name> |
| export\_order | risk\_calibration\_metric | <export\_order> |
| validation\_rule | name | validation\_rule | <name> |
| random\_number\_generator | name | random\_number\_generator | <name> |

1. Task Runner Exit codes and ICM actions:

| Task Runner Exit Code | Description from Task Runner User Guide | ICM Interface action on the assumption set run record |
| --- | --- | --- |
| 0 | The Task Runner process was completed successfully | Run Status: “Completed”  Run Details: “Completed Successfully”  Error ID: Blank |
| 1 | The Task Runner process has logged warnings, but the RiskAgility FM job was completed successfully (without warnings).  The Task Runner process warnings could be due to unrecognized configuration keys in the run parameter file. | Run Status: “Failed”  Run Details: “Possible input parametrization error - please contact ICM Support”  Error ID: 1 |
| 2 | The RiskAgility FM Job was completed with warnings. | Run Status: “Failed”  Run Details: “Possible LM code failure - please contact ICM Support”  Error ID: 2 |
| 99 | No file name parameter has been specified in the Task Runner run command. For example, the following run command will return an exit code of 99 as it does not include the file path location of the run parameter file:  RafmTaskRunner.exe | Run Status: “Failed”  Run Details: “Missing file name in TaskRunner command - please contact ICM Support”  Error ID: 99 |
| 100 | The RiskAgility FM Project from which the job was run, had not been upgraded to the current version. | Run Status: “Failed”  Run Details: “Possible issue with the RAFM project version – please contact ICM Support”  Error ID: 100 |
| 102 | The RiskAgility FM job failed. | This exit code is used for two possible outcomes:   * When a code-related fatal error has been raised during processing, or; * When the run has been cancelled on vGrid by an administrator.   The ICM Interface must parse the Task Runner run log to ascertain whether the run has been cancelled. The log will contain the following text  “Failure Reason:  Job has been externally cancelled, reason: Terminated from vGrid Portal” and the status is then set to:  “Job has been externally cancelled, reason: Terminated from vGrid Portal”  An example of the TaskRunner log is provided in Section 2, ‘Referenced Documents’ of this specification.  Run Status: ‘Cancelled’  Run Details: “Please contact the ICM administrator for further information.”  Otherwise, set the fields to:  Run Status: ‘Failed’  Run Details: “Run failed due to a code error – Export RAFM project and investigate in RAFM application”  In either case:  Error ID: 102 |
| 114 | The Task Runner package resides and was run from a location other than a fixed, local directory on the execution server. | Run Status: “Failed”  Run Details: “Possible issue with the TaskRunner directory location – please contact ICM Support”  Error ID: 114 |
| 116 | The parameter specified in the Task Runner command cannot be found. For example, the following run command will return and exit code of 116:  RafmTaskRunner.exe “C:\RiskAgility FM\Project 1” | Run Status: “Failed”  Run Details: “Working folder reference has not been found – Please contact ICM Support to investigate”  Error ID: 116 |
| 117 | The run parameter (.rtk) file specified in the Task Runner run command contains invalid parameters. | Run Status: “Failed”  Run Details: “Invalid parameters in rtk file – Please contact ICM Support to investigate”  Error ID: 117 |
| 118 | The Willis Towers Watson License Client has not been installed. Task Runner licensing has not been configured and/or a Task Runner license is not available. | Run Status: “Failed”  Run Details: “The task runner license is not available – Please contact ICM Support to investigate”  Error ID: 118 |
| 119 | The user account for the user submitting the job is invalid. | Run Status: “Failed”  Run Details: “The user account for vGrid is invalid – Please contact ICM Support to investigate”  Error ID: 119 |
| 120 | Error loading the RiskAgility FM Project. | Run Status: “Failed”  Run Details: “The RAFM project did not load – Please contact ICM Support to investigate”  Error ID: 120 |
| 121 | Location contains system files or directories, or user does not have read access. | Run Status: “Failed”  Run Details: “A system file access error has occurred – Please contact ICM Support to investigate”  Error ID: 121 |
| 199 | An unknown error occurred during the process. | Run Status: “Failed”  Run Details: “An unknown error has occurred -Please contact ICM Support to investigate”  Error ID: 199 |

1. Template File

Only placeholders below are supported by the system:

* the system does not check the file for missing placeholders. If any of them are missing, the system will not generate an error
* if the file contains a placeholder that is not supported, the system will generate an error
* any constant parameters will be accepted during upload

Placeholders for Parameter File.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter name | Parameter placeholder | Description | Valid values | ICM Value |
| ProjectionSet | ${run:projection.set} | Projection Set to be run | (Name of the Projection Set to be run) – Note that ProjectionSet and ProjectionTask (in combination with RunPage) and are mutually exclusive. Only one of both keys should be provided.  Example: ProjectionSet=Projection Set 1 | Based on the purpose:  Base Stochastic  Projection Stochastic  What-if Stochastic  Base Stochastic with Shreds  Projection Stochastic with Shreds  What-if Stochastic with Shreds  Base CS batch  Projection CS batch  What-if CS batch  Base Big Bang  Projection Big Bang  What-if Big Bang  Validation Scenarios  Specified Stresses  RSG Only - Stochastic  RSG Only - Big Bang  RSG Only - Validation Scenarios  RSG Only - Specified Stress |
| JobName | ${run:job.name} | JobName as used and shown in vGrid | (JobName as would have been entered in the job submission screen in RAFM)  Example:  JobName=ICM JobID 2233 | ID of the run in ICM |
| OutputLocation | ${property:rafm.outputs.dir} | OutputLocation to be used | (Folder path of the output location)  Example absolute:  OutputLocation=c:\Output Directory  Example relative:  OutputLocation=.\Output Directory | Output location as defined in the batch server configuration property:  rafm.outputs.dir |
| DistributionMethod | ${property:rafm.distribution.method} | Distribution method to be used | Optional  Default: None  Permitted values: {None, vGrid}  Example: DistributionMethod=None | The value as defined in as defined in the batch server configuration property:  rafm.distribution.method |
|  |  |  |  |  |
| vGridServerLocation | ${property:rafm.vgrid.server.location} | URL of the vGrid server | Only applicable for vGrid jobs  Mandatory if DistributionMethod = vGrid  Example:  vGridServerLocation=https://vgrid.software.towerswatson.com/ | The value as defined in as defined in the batch server configuration property:  rafm.vgrid.server.location |
| vGridPortalLocation | ${property:rafm.vgrid.portal.location} | vGrid Portal Location | Only applicable for vGrid jobs  Mandatory  Example:  **https://vgrid.software.towerswatson.com** | The value is configured in icm.properties file in property ‘**rafm.vgrid.server.location’**.  User can configure any value for the property in the icm.properties file.  Example:  vGridPortalLocation=https://vgrid.software.towerswatson.com/ |
| vGridAccountName | ${property:rafm.vgrid.account.name} | Name of the vGrid Batch account | Only applicable for vGrid jobs  Mandatory if DistributionMethod = vGrid  Example: vGridAccountName=vgridbatchacct | The value as defined in as defined in the batch server configuration property:  rafm.vgrid.account.name |
| PoolName | ${run:pool.name} | vGrid pool to be used | Only applicable for vGrid jobs  Mandatory if DistributionMethod = vGrid  Example: PoolName=vGrid Pool | Name of the pool selected for a given run |
| MaxJobRunTime | ${config:max.job.run.time} | Max Job Run Time | Only applicable for vGrid jobs  Optional,  default: None  Permitted values: {days:hours:minutes, None}  MaxJobRunTime=0:06:00 | The maximum runtime shall be configured in configuration parameter “Maximum Task Runner Time” specified as “Days:Hours:Minutes”. The value must be used in all Task Runner runs for the ”MaxJobRunTime” section of the .rtk file. |
|  |  |  |  |  |

1. Risk Limit file

|  |  |  |
| --- | --- | --- |
| Header | Possible values | Validations |
| ‘Limits’ tab | | |
| Limit | Risk limit names with the default switch flag. | The sheet is mandatory and Risk Limit file without it will be rejected. However, its content may be empty except for the headers.  If limit is provided, then flag should also be provided in the file.  flagpossible values: only 0 or 1. Any other value for the flag shall not be accepted by the system. |
| flag | Possible values: 0 or 1. |
| **‘risk limit flag values’ tab** | |  |
| Risk Limit Flag | The “Risk Limit Flag” will be an alphanumeric String-type entry without special characters. For the avoidance of doubt, underscores and spaces will be allowed. | System will ensure that the value rows are complete and valid, meaning that both the flag and the value must be provided and the value provided must be valid as per the corresponding types mentioned.  The sheet is mandatory and Risk Limit file without it will be rejected. However, its content may be empty except for the headers. |
| Value | The “Value” field will be a scalar (floating point) value. This can include positive, negative, or zero entries. |