Prudential®

**ICM Interface**

**BP002 Lite Models**





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References

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# Use Cases

## LMD001 View Lite Models Library

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The lite models stored in the library are displayed. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model library dashboard. |

Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-030 The system shall display the lite models summary table in the library dashboard.** | | | |
| The system shall display the following information:  - Name: name of the lite model;  - Version: version of the lite model;  - **Calibration** **Date**: calibration date of the displayed version of the lite model;  - **Status**: status of the displayed version of the lite model;  - **Version**: version of the lite model. Noneditable field populated with value 1.0;  - **Base Date**: base date of the displayed version of the lite models;  - **Description**: description of the displayed version of the lite model;  - **Geographical** **Rights**: user group that owns the lite model;  - **Last modified local date**: timestamp of the last event performed on the lite model (excluding locking events);  - **Last modified system date**: this column is by default hidden;  - **Archive status**: archive status of the lite model.  The field ‘Archive status’ is left blank if there is at least one tag assigned to the selected version of the lite model which has the ‘Archive status’ blank.  The Archive status is populated with the following statuses:  -‘Archive requested’ if all the tags assigned to the selected version of the lite model have the ‘Archive?’ flag set to ‘Yes’ and the tags ‘Archive Status’ is ‘Archive requested’.  - ‘Restore requested’ if there is at least one tag of the selected version of the lite model that has the ‘Archive?’ flag changed from ‘Yes’ to ‘No’ and the ‘Archive status’ set to ‘Restore requested’.  By default the components are displayed in black.  For the user that has the version of the assumption set locked/marked as being modified the system shall display the component in italics.  For the other users the system shall display the components in grey when locked and with a star in front of the name when marked as being modified.  By default the lite model summary table is populated with the latest version of the lite models that the user can access and match the filters selected by the user.  If a lite model has been automatically shared (shared by version) as assigned to a validated entity set nested in an assumption set, the users belonging to the shared geographies will only have access to the specific validated version of the lite model which has been assigned in the nested version of the entity set. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.3.0.0 |
| From | : | Baldacci |
| **RQ-031 The system shall display the events table in a tab of the details table in the library dashboard.** | | | |
| The system shall display the following information:  - Type: contains type of action that was performed for the lite model.  - Version: shows the version of the lite model after the action has been performed.  - User: userid 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.  The system shall show the list of events that have been performed on the lite model from version 1.0 to the selected version.  The system shall show the following events:  - Created (also if it has been created by copying another lite model);  - Renamed;  - Modified (what has been modified);  - Validated;  - Rejected;  - Locked/Marked as being modified (marked for editing is recorded as system comment for the “locked” event);  - Shared;  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.  This table is by default empty, the system shall populate it when a version of a lite model in the lite model summary table is selected.  The column System Date is by default hidden. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | lbaldacci |
| **RQ-032 The system shall display the LM Code base code of the lite model in the Code pane of library dashboard.** | | | |
| This table shows the content/code of the LM Code base for the selected lite model version (which has a RAFM project and code base associated with it). By default this table is empty. The system shall populate it when a version of a lite model in the lite model summary table is selected. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |
| **RQ-033 The system shall display the properties table in the library dashboard** | | | |
| This table shows all the properties associated to the lite model selected in the lite model summary table:  - Name;  - Calibration Date;  - Status;  - Version;  - Description;  - Base Date;  - Code base;  -Asset Portfolio  - General Parameters name;  - Experience parameters name;  - Last modified Local date: timestamp of the last event performed on the lite model (excluding locking events);  - Last modified System date;  - Last modified by;  - Allowed Geographies: list of user groups that can access the lite model (owner user group and user groups the lite model has been shared with).  - Tag: if more than one, displayed as comma separated.  By default this table is empty. The system shall populate it when a version of the lite model in the lite model summary table is selected.  All the properties shall be ordered in alphabetical order in the properties panel. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |
| **RQ-359 The system shall display the usage table in a tab of the details table in the library dashboard** | | | |
| This table shows in which assumption set the selected version of the lite model has been assigned to.  For each assumption set the system shall show the following information:  - Name;  - Version;  - Description;  - Type (this column is hidden by default);  - Status;  If the selected version of the lite model has been involved in a run of the displayed assumption set, the system shall populate the following fields:  - Last Run Local Date;  - Last Run System Date;  - Last Run Status;  - Last Triggered by.  By default this table is empty. The system shall populate it when a version of the lite model in the lite models summary table is selected.  The information in this table is populated at the moment an assumption set is created.  The column Last Run System Date is by default hidden. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.2.0.0 |
| From | : | lbaldacci |

## LMD002 Create Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The new created lite model is stored in the system and available to further use for the allowed users. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model dashboard.  2. The user selects the option “Create”.  3. The system displays a pop up window containing:  - Name: free text field to enter the name of the Lite Model;  - Version: greyed out field, not editable by the end user.  - Base Date: date picker feature;  - Description: free text field;  - RAFM Project: 2 drop-down features (1st for RAFM Project, 2nd for its versions);  - LM Code base: drop-down feature;  - General Parameters: browse feature to allow the user to navigate the local drive;  - Experience Parameters: browse feature to allow the user to navigate the local drive.  4. The user fills in the requested fields.  5. The user selects the button "Save".  6. The system stores the lite model and updates the lite model summary screen. |
| **Alternate 3.1** |  |
| Alternate | If the user selects the option "clear" the system clears up the browse feature associated to it ( general parameters, experience parameters, asset portfolios). |
| **Alternate 5.1** |  |
| Alternate | If the user selects the button “cancel” the system will stop processing. |
| **Alternate 5.2** |  |
| Alternate | The system will show an error message if the name entered is not unique and/or if the name of the lite model exceeds the maximum characters set for the length name. |
| **Alternate 5.4** |  |
| Alternate | The system will show an error message if the general parameter file does not include valid values for the mandatory fields (refer to appendix for the validation of the mandatory fields.) |
| **Alternate 5.5** |  |
| Alternate | The system will show an error message if the calibration date is not set to the last day of the month, except February that should always be set to the 28th(not applicable if the general parameter is not uploaded). |
| **Alternate 5.6** |  |
| Alternate | The system will show an error message if the header names of the vectors (tab vectors\*) and matrices (tab matrices) are not unique. |
| **Alternate 5.7** | |
| Alternate | The system will show an error message if a general parameters or an experience parameters file has a wrong extension (allowed file extensions are xls,xlsx,xlsm,xlsb) |

Requirements

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| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-034 The system shall allow a user to create a lite model** | | | |
| The system shall allow the user to define:  - Name: it is a mandatory field; must be unique.  - Description: it is a mandatory field;  - Base Date: it is a mandatory field;  possible values are “low”, “medium” and “high”;  -RAFM Project: These 2 drop-down fields are optional.   * RAFM project drop-down field shall be populated with Standard ICM RAFM projects name which belongs to user’s owning user-group (Geography) or those shared with the user’s user group (Geography). * Version field must be populated with all the versions of the selected Standard ICM RAFM project which are in status ‘Validated’ or ‘In-Review’. In case of shared RAFM Project, only version numbers (in status ‘Validated’ or ‘In-Review’) which are shared with the user’s user group (Geography) shall be populated.   - LM Code base: it is an optional field as long as RAFM Project & its version fields are blank. Selecting value in LM Code base field shall be mandatory, if RAFM Project and its version is selected by user. System shall show the list of all available LM Code bases of the selected version of RAFM Project in this field.  - General parameters: it is an optional field;  - Experience parameters: it is an optional field; | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |
| **RQ-036 The system shall assign the version number to the lite model** | | | |
| The version number assign to a newly created lite model is 1.0. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | Lbaldacci |
| **RQ-037 The system shall assign the status to the lite model** | | | |
| The status assigned to a new created lite model is “In Review”. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | Lbaldacci |
| **RQ-038 The system shall accept general and experience parameters in excel format** | | | |
| The General Parameters file includes mandatory and optional fields. The system shall check for mandatory parameters and the default types and values of Optional parameters. Refer to appendix for the validation of the mandatory and optional fields.  There are no validation checks performed upon upload for the Experience Parameters file, but  system shall validate file extensions for both files. If the file extension for General Parameters or Experience Parameters files is different from xls, xlsx, xlsm or xlsb the system shall generate a "Wrong file extension for file %file\_name, expected is {xls,xlsx,xlsm,xlsb}" error. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2.5 |
| From | : | Lbaldacci |
| **RQ-360 The system shall assign the owner user group to the lite model** | | | |
| The owner user group is the user group of the user that has created the lite model. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | Lbaldacci |
| **RQ-631 The system shall assign the calibration date to the lite model** | | | |
| The calibration date is retrieved from the Standard Inputs sheet within the general parameter file. The system shall pick the values for the:  -Year (format YYYY), from the reference CalibYear;  -Month (format MM), reference CalibMonth;  -Day (format DD), retrieve value from reference CalibDay.  The system should check that the calibration date is set to the last day of the month, except February that should always be set to the 28th.  The user is not allowed to change this field on screen. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2.3.0 |
| From | : | smagdalina |
| **RQ-759 The system shall assign the default tag to the lite model** | | | |
| The default tag for a new lite model is "New". | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | smagdalina |

## LMD003 Filter Lite Models

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The library of lite models is at least populated with one lite model |
| Pre-condition | Filters are enabled. |
| Post-condition | Only the versions of lite models that match the filters applied are displayed in the lite model summary table. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model dashboard.  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 all the selected filters to the lite models in the library and displays only the versions of the lite models that match the selected filters. |
| **Alternate 5.1** |  |
| Alternate | If the user selects the button “Clear filters” the selected filters are deleted and the system shows the complete sample of lite models available for the user. |
| **Alternate 5.2** |  |
| Alternate | If the user selects the button “Cancel” the use case is aborted. |

Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **RQ-040 The system shall allow a user to filter the lite models by name.** | | | |
| The system shall allow the following filters:  - Includes: free text. The system will search for the exact string to be included in the lite model name.  - Excludes: free text box. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-041 The system shall allow the user to filter the lite models by status** | | | |
| The system shall allow the user to select among the list of available statuses in the system. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-042 The system shall allow the user to filter the lite model by LM Code base.** | | | |
| The system shall allow the following filters:  - Includes: free text. The system will search for the exact string to be included in the LM Code base name.  - Excludes: free text box. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | **6.8.0.0** |
| From | : | lbaldacci |
| **RQ-043 The system shall allow the user to filter the lite model by last modification date** | | | |
| The system shall show the following:  - Start date.  - End Date. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2 |
| From | : | lbaldacci |
| **RQ-044 The system shall allow the user to filter the lite model by last modified by** | | | |
| The system shall show the list of users grouped per user groups.  The user will be able to select a complete user group or some users within a user group. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-045 The system shall allow the user to filter the lite model by general parameters file name** | | | |
| The system shall allow the following filters:  - Includes: free text. The system will search for the exact string to be included in the generic parameters file name.  - Excludes: free text box. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-046 The system shall allow the user to filter the lite model by experience parameters file name** | | | |
| The system shall allow the following filters:  - Includes: free text. The system will search for the exact string to be included in the experience parameters file name.  - Excludes: free text box. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-047 The system shall allow the user to filter the lite models by version** | | | |
| The system shall show allow the user to enter a version number, to select the "latest version" or to select the "most recently created version. The latest version of a lite model is considered the version with the highest version number. The most recently created version is the version with the latest date created. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-048 The system shall allow the user to filter the lite models by calibration date** | | | |
| The system shall show the following:  - Start date  - End Date | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-362 The system shall allow the user to filter the lite models by base date** | | | |
| The system shall show the following:  - Start date  - End Date | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |

## LMD004 Delete Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | None of the versions of the selected lite model has been included in a run of an assumption set. |
| Post-condition | The selected lite model (all its versions) is not visible to users in the library |
| Pre-condition | None of the versions of the selected lite model is locked or marked as being modified. |

|  |  |
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| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “Delete”.  3. The system displays a confirmation message.  4. The user selects the button “Delete”.  5. The system removes all versions of the selected lite model from the library and updates the lite model summary and events table.. |
| **Alternate 4.1** |  |
| Alternate | If the user selects the button “cancel” the user case is aborted. |
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|  |  |

Requirements

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| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-049 The system shall allow the user to delete a lite model** | | | |
| The system shall allow the user to delete a lite model if  - it has never been used in a run of an Assumption Set, whether or not it is still attached to the entity set involved in that assumption set run.  - none of its versions is locked or marked as being modified. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.3.0.0 |
| From | : | lbaldacci |

## LMD005 Copy Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model is not locked |
| Post-condition | A copy of the selected version of the lite model is created in the library |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “copy”  3. The system shows a pop up window containing:  - name: text field to enter the name for the copied lite model.  4. The user selects the “copy” button.  5. The system creates a copy of the selected lite model and assigns to it the name entered by the user. |
| **Alternate 4.1** |  |
| Alternate | If the user selects the button “cancel” the user case is aborted. |
| **Alternate 5.1** |  |
| Alternate | The system shows an error message if the name assigned to the lite model is not unique and/or the name length of the name exceeds the maximum characters set for the length name. |

Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-050 The system shall allow the user to copy a lite model** | | | |
| The system shall allow the user to copy the selected version of the lite model only if it is not locked. The system shall allow the user to enter the name for the copied lite model. The name is mandatory and must be unique and/or the length of the name exceeds the maximum characters set for the length name. The system shall copy over all the other attributes from the previous lite model. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2 |
| From | : | lbaldacci |
| **RQ-051 The system shall assign status “In review” to the copied lite model.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-052 The system shall assign version number 1.0 to the copied lite model** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-367 The system shall assign the user group of the user that made the copy as owner user group of the copied lite model** | | | |
| The system shall assign user group (geography) of the user copying the Lite model to the new Lite model created upon copy i.e. If user’s owning user group (geography) is ‘GHO’ and user copies Lite model owned by 'PCA' geography), then in this case the copy (of Lite model) will be owned by user’s owning geography 'GHO' and not 'PCA'. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |
| **RQ-760 The system shall assign the default tag to the copied lite model** | | | |
| The default tag assigned to the copied lite model is "New". | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | smagdalina |

## LMD006 Rename Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | None of the versions of the selected lite model is locked |
| Pre-condition | All the versions of the selected lite model are in status "In Review" |
| Post-condition | The selected lite model is renamed |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “rename”  3. The system shows a pop up window containing:  - name: text field to enter the name for the lite model.  4. The user selects the “rename” button.  5. The system updates the library by renaming the selected lite model |
| **Alternate 4.1** |  |
| Alternate | If the user selects the button “cancel” the use case is aborted. |
| **Alternate 5.1** |  |
| Alternate | The system shows an error message if the name assigned to the lite model is not unique and/or the length of the name exceeds the maximum number of characters set for the length name. |

Requirements

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| **Requirements** | | | |
| **RQ-054 The system shall allow the user to rename a lite model** | | | |
| The name is a mandatory field and must be unique and/or shall not exceed the maximum characters set for the length name. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2 |
| From | : | lbaldacci |
| **RQ-055 The system shall allow the user to rename a lite model if all its versions are in status “In Review” and not locked.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.0 |
| From | : | lbaldacci |

## LMD007 Modify Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model is not locked (Locking is not applicable to rejected and validated versions of a lite model, so they can always be modified but will get marked as being modified). |
| Pre-condition | The user belongs to the user group that owns the lite model or to a geography to which the lite model has been manually shared with. |
| Post-condition | The lite model is updated (if it is in status "In Review") or a new version for the lite model is created (if it is validated or rejected). |

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| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “modify”  3. If the selected version of the Lite Model has the status “In Review”, the version is locked for editing. If it is in status “Rejected” or “Validated”, it is marked as being edited.  4. The system shows a pop up window containing:  - Name: not modifiable;  - Calibration Date: not modifiable;  - Base Date;  - Description;  - RAFM Project & its version;  - LM code base;  - General Parameters: browse feature to allow the user to navigate the local drive.  - Experience Parameters: browse feature to allow the user to navigate the local drive.  - Comment: free text for comments.  5. The user fills in the requested fields.  6. The user selects the button “save”.  7. The system updates the lite model if it has status “In Review” or creates a new version of the lite model.  8. The system updates the lite model summary screen.  9. The selected version of the Lite Model is unlocked if the status is “In Review” or unmarked as being edited if the status is “Rejected” or “Validated”. |
| **Alternate 2.1** |  |
| Alternate | The system will show a warning message if the selected version of the lite model is marked as being edited. |
| **Alternate 5.1** |  |
| Alternate | If the user selects the option "clear" the system clears up the browse feature associated to it (general parameters, experience parameters, asset portfolios). |
| **Alternate 6.1** |  |
| Alternate | If the user selects the button “Cancel” the user case is aborted and the selected version of the Lite Model is unlocked if the status is “In Review” or unmarked as being edited if the status is “Rejected” or “Validated”. |
| **Alternate 6.2** |  |
| Alternate | If the combination of attributes of the selected lite model with status "Validated" or "Rejected" has been chosen in an existing version of the lite model, the system displays a warning message asking the user if a new version should be created. |
| **Alternate 6.5** |  |
| Alternate | If the selected version of the lite model is in status “In Review”, the system shows a warning message informing the user that if he will proceed with his action, the system will invalidate the assumption set runs that are using the selected version of the lite model. |
| **Alternate 6.6** |  |
| Alternate | The system will show an error message if the general parameter file does not include valid values for the mandatory fields (Refer to appendix for the validation of the mandatory fields.). |
| **Alternate 6.7** |  |
| Alternate | The system will show an error message if the calibration date is not set to the last day of the month, except February that should always be set to the 28th.(not applicable if the general parameter is not uploaded). |
| **Alternate 6.8** |  |
| Alternate | The system will show an error message if the header names of the vectors (tab vectors\*) and matrices (tab matrices) are not unique. |

Requirements

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| **Requirements** | | | |
| **RQ-057 The system shall allow the user to modify any version of a lite model** | | | |
| The system shall allow the user to modify:  - Base Date;  - Description;  - RAFM Project;  - LM code base;  - General parameters: it is an optional field  - Experience parameters: it is an optional field.  The system shall allow the user to enter a comment (not mandatory). | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | lbaldacci |
| **RQ-058 The system shall create a new version of the lite model if the modified version is "rejected" or "validated"** | | | |
| If the selected version of the lite model is in status “In Review” the system should not update the version number.  If the selected version of the lite model is validated or rejected the system create a new version and increase the version number according to the following rules:  - If the base date is modified and/or RAFM Project version / LM code base is changed, increment the principal digit to the next natural number. Any other change: increment to next point digit. Example: 1.1 -> 1.2, 1.10 -> 1.11  If the version number that should be created already exists, the system shall create use the next available number.  (Example: versions 1.0, 1.1, 1.2, 1.3, 1.4, 2.0, 2.1, 3.0 exist in the system and the user modifies version 1.1. The system will create version 1.5 or 4.0 depending of what is modified).  When a new version is created by modifying a validated lite model, the system shall assign the default ‘New’ tag to the new version created. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.1.0.0 |
| From | : | lbaldacci |
| **RQ-059 The system shall assign status “In Review” to the new version of the lite model** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-369 The system should invalidate the run results of the assumption sets that use the selected version of the lite model.** | | | |
| The system shall change to “Invalidated” the runs triggered from the nodes that use the modified lite model and the runs triggered from the direct parents and grandparents nodes.  The system shall:  -cancel the runs before processing and remove them from the queue, if the modification occurs while the run is queued and the status of the selected runs is “Queued”.  -invalidate the run only after the run is completed, if the modification occurs during the “Processing” status of the run.  -change the status from “Completed” to “Invalidated” for completed runs.  If the run to be invalidated was triggered through the ‘Run Stoch & CS’ batch, the system shall also invalidate the associated Critical Scenario run which was triggered as part of the same batch run.  Saving with the same attributes, modifying the description or adding comments will not change the status of the runs. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.2.0.0 |
| From | : | lbaldacci |
| **RQ-634 The system shall (re-)assign the calibration date to the lite model if the general parameter file is uploaded** | | | |
| If a general parameter file was provided for a lite model the calibration date shall be retrieved from the Standard Inputs sheet within the general parameter file. The system shall pick the values for the:  -Year (format YYYY), from the reference CalibYear;  -Month (format MM), reference CalibMonth;  -Day (format DD), retrieve value from reference CalibDay.  The system should check that the calibration date is set to the last day of the month, except February that should always be set to the 28th. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2.3.0 |
| From | : | smagdalina |
| **RQ-662 The system shall (re-)check the mandatory fields within the general parameter file when it is (re-)uploaded** | | | |
| Refer to Appendix for the mandatory fields of the Standard Inputs sheet. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2.5 |
| From | : | smagdalina |

## LMD008 Validate Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model is in status "In Review" |
| Pre-condition | The associated RAFM Project of Lite Model has the status ‘Validated’. |
| Pre-condition | The selected version of the lite model is unlocked. |
| Pre-condition | The logged in user is different from the "last modified by" user |
|  |  |
| Pre-condition | The selected version of the lite model has LM code base, a general parameter file and an experience parameter file entered/attached. |
|  |  |
| Pre-condition | An assumption set with valid run results exists |
| Post-condition | A selected lite models is in status "Validated" |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1.The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “validate”.  3. The system displays a pop up window containing:  - Comments: free text format field  - Upload file: browse feature.  4. The user fills in the requested fields.  5. The user selects the “validate” button.  6. The system changes the status of the selected lite model in “validated” and updates the summary table. |
| **Alternate 5.1** |  |
| Alternate | If the user selects the button “cancel” the user case is aborted. |

Requirements

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| --- | --- | --- | --- |
| **RQ-061 The system shall allow the user to validate a lite model in status "In Review".** | | | |
| The system shall change the status of the lite model from “In Review” to “Validated”.  It should be noted that Lite Models can also be automatically validated upon validation of the entity set under specific conditions. Refer to the Use case ESM011 ”Validate Entity Set” for more details. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |
| **RQ-062 The system shall allow the user to upload a file and/or enter a comment** | | | |
| Comments and the upload of the file are optional fields.  The system shall accept validation report files in any file format. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.4 |
| From | : | lbaldacci |
| **RQ-370 The system shall not allow the user to validate a lite model that is locked.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |
| **RQ-371 The system shall not allow the last user who has modified the version of the lite model to validate it.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |
| **RQ-373 The system shall not allow the user to validate a version of a lite model if it does not have a LM code base entered, a general parameters file and an experience parameters file uploaded.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |
| **RQ-374 The system shall not allow the user to validate a version of a lite model if it is not used in an assumption set with valid run results.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | lbaldacci |
| **RQ-2248 The system shall not allow the user to validate a LM if the associated RAFM Project of lite model has the status ‘In-Review’.** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | lbaldacci |

## LMD009 Reject Lite Model

Lite Model

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model has the status “In Review”. |
| Pre-condition | The selected version of the lite model is unlocked. |
| Post-condition | A selected lite model is in status "Rejected" |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1.The user selects a lite model in the lite model summary table.  2. The user selects the option “Reject”.  3. The system displays a popup window containing:  - Comments: free text format field  4. The user fills in the requested fields.  5. The user selects the “Reject” button.  6. The system changes the status of the selected lite model in “Rejected” status and updates the summary table. |
| **Alternate 5.1** |  |
| Alternate | If the user selects the button “cancel” the user case is aborted. |

Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-063 The system shall allow the user to reject a lite model in status "in review"** | | | |
| The system shall change the status of the lite model from “In Review” to “Rejected”. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-064 The system shall allow the user to enter a comment.** | | | |
| Comments are mandatory. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | PoC |
| From | : | lbaldacci |
| **RQ-461 The system shall not allow the user to reject a lite model that is locked** | | | |
|  | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.0 |
| From | : | lbaldacci |

## LMD011 Download Validation Report of a Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model is in status "Validated". |
| Pre-condition | A validation report has been uploaded for the validation of the selected lite model. |
| Post-condition | The validation report is available for the user. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “Download validation Report”.  3. The system displays a confirmation message.  4. The user select 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-376 The system shall allow the user to download the validation report uploaded for a validated version of a lite model** | | | |
| The system shall provide the user with the file in the same format it has been uploaded. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.4.6 |
| From | : | lbaldacci |
| **RQ-877 The system shall disable the Download validation Report option if the lite model has been validated without providing the validation report** | | | |
| The system shall display to the user a tooltip message informing that the lite model has been validated without the upload of the validation report. | Status | : | Proposed |
| Priority | : | Medium |
| Phase | : | 5.4.6 |
| From | : | ikovacs |

## LMD013 Download General Parameters File of a Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model has a general parameters file attached |
| Post-condition | The general parameters file is available for the user |

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| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1.The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “Download general parameters file”.  3. The system displays a confirmation message.  4. The user select 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

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| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-378 The system shall allow the user to download the general parameters file (if any) uploaded for a version of a lite model** | | | |
| The system shall provide the user with the general parameters file in the same format it has been uploaded. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |

## LMD014 Download Experience Parameters File of a Lite Model

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The selected version of the lite model has an experience parameters file attached |
| Post-condition | The experience parameters file is available for the user |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “Download experience parameters file”.  3. The system displays a confirmation message.  4. The user select 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

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| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-379 The system shall allow the user to download the experience parameters file uploaded for a version of a lite model** | | | |
| The system shall provide the user with the experience parameters file in the same format it has been uploaded. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | lbaldacci |

## LMD020 Download Lite Models Events table

Lite Models

Use Case

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

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| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The user selects a version of a lite model in the lite model summary table.  2. The user selects the option “Download Events” option under download dropdown menu.  3. The system displays a popup 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

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| **Requirements** | | | |
| **RQ-636 The system shall allow the user to download the event table in excel, .csv or .pdf format** | | | |
| The system shall provide the user with a file that has the following tabular format:  - Type of event;  - Version;  - User;  - Local date;  - System date;  - System comments;  - User comments.  The order of the first 5 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).  The system shall add a header row to the file with the following information:  <Lite Model> name of the lite model, <V>version number of the lite model. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.2 |
| From | : | smagdalina |

## LMD021 Create Lite Models through Bulk Upload

Lite Models

Use Case

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| **Constraints** | |
| Post-condition | New lite models are created through the bulk upload process and available to further use for the allowed users. |
| Post-condition | The resulting log file of the bulk upload process is available for download. |

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| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model dashboard.  2. The user selects the option “Create” from the “Bulk Upload” drop-down list.  3. The system displays a pop-up window containing the following fields:  - RAFM Project and version: 2 dropdown fields populating all RAFM project and versions in status “In-Review” and “Validated”. It is an optional field.  - Upload .csv file: browse feature to allow the user to navigate the local drive. It is a mandatory field;  - Upload .zip file: browse feature to allow the user to navigate the local drive. It is an optional field.  4. The user fills in the required field.  5. The user selects the button "Upload".  6. The system processes the uploaded files, creates the lite models and updates the lite model summary screen. |
| **Alternate 5.1** |  |
| Alternate | The system will show an error message if the files to be uploaded are not in .csv format (1st file) and .zip format (2nd file). |
| **Alternate 5.2** |  |
| Alternate | If the user selects the button "Cancel", the use case is aborted. |
| **Alternate 5.3** |  |
| Alternate | The system will show an error message if the header of the uploaded .csv file does not contain all the attributes. |
| **Alternate 5.4** |  |
| Alternate | The system will show an error message id the uploaded .csv file does not contain at least one line of data information. |

Requirements

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| **Requirements** | | | |
| **RQ-692 The system shall allow a user to create lite models through bulk upload process** | | | |
| The system shall allow the user to upload a .csv file containing fields with the following headers:  - Name: free text field, must be unique. The name length should not exceed 15 characters and should not include special characters.  - Base Date: format of the date is: DD/MM/YYYY.  - Description: free text field. Max 200 characters are allowed.  - ‘Submodel’ or ‘Code base’: Name of the LM Code base or “None” when no RAFM project version/LM Code base is entered for lite model.  *(User can either enter ‘Submodel’ or ‘Code base’ as the column header name for this column.Both the header names shall be accepted by system)*  - General parameters: full path within the zipped directory where the general parameters file is located or “None” in case no general parameter is entered.  - Experience parameters: full path within the zipped directory where the experience parameters file is located or “None” in case no experience parameter is entered.  File name is free format.  The target performance is that the creation of a lite model should not take more than 10 seconds | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |
| **RQ-693 The system shall perform the following checks/ validations against the uploaded .csv file** | | | |
| The system shall perform the following checks and validations:  -Check that the header of the .csv file contains all the attributes. (Refer to Appendix-Bulk upload section for the format of the file.)  -Check that the .csv file contains data: at least one line of data is available.  -Check that each row in the .csv file contains a valid value and the data of each attribute is in the correct type. (Refer to Appendix - Bulk Upload section for the format of the values)  - If the Code base is provided, check if LM Code base name is from the Code bases of the RAFM Project version entered/selected on the Create Bulk Lite Model dialog.  -Check that the general and experience parameters files are in Excel format.  -Check all the mandatory fields of the general parameter file provided include valid values.  (Refer to appendix for the validation of the mandatory fields of the general parameter file.)  -Check that the calibration date of the general parameter file is set to the last day of the month, except February that should be set to the 28th.  -Check that the headers names of the vectors (tab vectors\*) and matrices (tab matrices) in the general parameter file should be unique. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |
| **RQ-694 The system shall not abort the bulk upload process if any errors are detected during the creation of the lite models** | | | |
| In case an error is raised during the creation of the lite models, the system shall register the errors in the log file.  The log file will include all set of data provided for the creation of a lite model and the resulting status of the create action though bulk upload process: possible values: “Created” or “Failed”. In case of a “Failed” record the system will provide the description of the failure. The first error encountered is logged.  When the bulk upload process is finished the log file will be available to be downloaded. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-695 The system shall assign the version number to the new lite model** | | | |
| The version number assigned to a new created lite model is 1.0. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-696 The system shall assign the status to the lite model** | | | |
| The status assigned by the system to a newly created lite model is "In Review". | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-697 The system shall assign the owner user group to the lite model** | | | |
| The owner user group is the user group of the user that uploads the files for the creation of the lite models. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.1 |
| From | : | smagdalina |
| **RQ-699 The system shall assign the calibration date to the lite model** | | | |
| If a general parameter file was provided for a lite model, the calibration date shall be retrieved from the Standard Inputs sheet within the general parameter file. The system shall pick the values for the:  -Year (format YYYY), from the reference CalibYear;  -Month (format MM), reference CalibMonth;  -Day (format DD), retrieve value from reference CalibDay.  The system should check that the calibration date is set to the last day of the month, except February that should always be set to the 28th.  The user is not allowed to change this field on screen. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-700 The system shall record the create action through bulk upload in the events table** | | | |
| This information regarding the create action will appear in the events table. The system shall record that the creation was done via bulk upload (as system comments). | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-726 The system shall allow the user to upload the support files (general parameter files and experience parameter files) in a zip format** | | | |
| The system shall allow the user to upload an optional .zip file with an internal folder structure containing:  -general parameter files;  -experience parameter files. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.1 |
| From | : | smagdalina |
| **RQ-758 The system shall assign the default tag to the lite model** | | | |
| The default tag for a new lite model is "New". | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | smagdalina |

## LMD022 Modify Lite Models through Bulk Upload

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Post-condition | The most recent version of lite models is updated (if in status “In Review”) or a new version of the most recent version of lite models is created (for Validated or Rejected versions). |
| Post-condition | The resulting log file of the bulk upload process is available for download. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model dashboard.  2. The user selects the option “Modify” from the “Bulk Upload” drop-down list.  3. The system displays a pop-up window containing the following fields:    - Update if “In Review”;  - RAFM Project and Version: 2 dropdown fields populating all RAFM project and versions in status “In-Review” and “Validated”. It is an optional field;  - Upload .csv file: browse feature to allow the user to navigate the local drive. It is a mandatory field;  - Upload .zip file: browse feature to allow the user to navigate the local drive. It is an optional field.  4. The user sets to “Yes” the field “Update if In Review”  5. The user uploads the file.  6. The user selects the button "Upload".  7. The system processes the uploaded file.  8. The system locks for editing the most recent version of the lite models that have the status “In Review”. All the validated or rejected recent versions, are marked as being edited.  9. The system will update the lite models if they have the status “In Review” or will create a new version of the lite models in case of validated and rejected versions.  10. The system will update the lite model summary screen.  11. The versions of the Lite Models are unlocked (if in status “In Review”) or validated/ rejected versions are unmarked as being edited. |
| **Alternate 4.1** |  |
| Alternate | If the user sets to “No” the “Update if in Review” field, the system shall not update the most recent version of the lite models that have the status “In Review”. |
| **Alternate 6.1** |  |
| Alternate | The system will show an error message if the files to be uploaded are not in .csv format (1st file) and .zip format (2nd file). |
| **Alternate 6.2** |  |
| Alternate | If the user selects the button "Cancel" the use case is aborted. |
| **Alternate 6.3** |  |
| Alternate | The system will show an error message if the header of the uploaded .csv file doesn’t contain all the attributes. |
| **Alternate 6.4** |  |
| Alternate | The system will show an error message if the uploaded .csv file doesn’t contain at least one line of data information. |
| **Alternate 6.5** |  |
| Alternate | If the user selects the option “Update if In Review” and the versions of the lite models to be updated are in status “In Review”, the system shows a warning message informing the user that if he will proceed with his action, the system will invalidate the assumption set runs that are using the selected versions of the lite models. |

Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-701 The system shall allow the user to modify lite models through bulk upload process** | | | |
| The system shall allow the user to upload a .csv file containing fields with the following headers:  - Name: name of the lite model. Not modifiable.  - Base Date: format of the date is: DD/MM/YYYY.  - Description: free text field. Max 200 characters are allowed.  *- ‘*Submodel’ or ‘Code base’: Name of the LM Code base or “None” in case no RAFM Project version/LM Code base is selected/entered for Lite Model.  -General parameter: location on the shared file system where the general parameter file is located or “None” if no general parameter should be attached to the selected lite model.  - Experience parameters: location on the shared file system where the experience parameter file is located or “None” if no experience parameter should be attached to the selected lite model.  The value assigned in case no modification of a selected field is required is “N/A”.  File name is free format.  The target performance is that the modification of a lite model should not take more than 10 seconds. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |
| **RQ-702 The system shall perform the following checks/ validations against the uploaded .csv file** | | | |
| The system shall perform the following checks and validations:  -Check that the header of the .csv file contains all the attributes. (Refer to Appendix-Bulk upload section for the format of the file.)  -Check that the .csv file contains data: at least one line of data is available.  -Check that each row in the .csv file contains a valid value and the data of each attribute is in the correct type. (Refer to Appendix - Bulk Upload section for the format of the values)  -Check that the version of the lite model to be updated belongs to the owner user group of the user that uploads the .csv file.  - If a new code base name is provided, re-check if the code base name is from the code bases contained in the RAFM Project which is selected on the Modify Bulk Lite Model dialog.  - If a new general parameter and/or experience parameter files are provided, re-check that the files are in Excel format.  -If a new general parameter is provided, re-check all the mandatory fields of the file provided include valid values.  (Refer to appendix for the validation of the mandatory fields of the general parameter file.)  -If a new general parameter is provided, re-check that the calibration date of the general parameter file is set to the last day of the month, except February that should be set to the 28th.  -If a new general parameter is provided, re-check that the headers names of the vectors (tab vectors\*) and matrices (tab matrices) file should be unique. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |
| **RQ-703 The system shall not abort the bulk upload process if any errors are detected during the modification of the lite models** | | | |
| In case an error is raised during the creation of the lite models, the system shall register the errors in the log file.    The log file will include all set of data provided for the modification of a lite model and the resulting status of the modify action though bulk upload process: possible values: “Updated” or “Failed”. In case of a “Failed” record the system will provide the description of the failure. The first error encountered is logged.  When the bulk upload process is finished the log file will be available to be downloaded.  If the version of the lite model is in Review and it is locked, the system shall not update it and report it the log file.  If the user selects not to update the most recent versions of the lite models that are in “In Review”, the system shall not update them and report it in the log file.  If the lite model does not belong to the owner user group of the user that uploads the .csv file, the system shall not update the selected version and report it in the log file. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.3.0.0 |
| From | : | smagdalina |
| **RQ-704 The system shall create a new version of the lite model if the modified version is validated or rejected** | | | |
| If the selected version of the lite model is in status “In Review” the system should not update the version number.  If the selected version of the lite model is validated or rejected the system creates a new version and increase the version number according to the following rules:  - If the base date is modified and/or RAFM Project version /LM the code bases is changed, increment the principal digit to the next natural number.- Any other change: increment to next point digit. Example: 1.1 -> 1.2, 1.10 -> 1.11  If the version number that should be created already exists, the system shall create use the next available number.  (Example: versions 1.0, 1.1, 1.2, 1.3, 1.4, 2.0, 2.1, 3.0 exist in the system and the user modifies version 1.1. The system will create version 1.5 or 4.0 depending of what is modified).  When a new version is created by modifying a validated lite model, the system shall assign the default ‘New’ tag to the new version created. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |
| **RQ-705 The system shall assign the status "In Review" to the new version of the lite model** | | | |
|  | Status | : | Proposed |
| Priority | : | Medium |
| Phase | : | 1.0 |
| From | : | smagdalina |
| **RQ-707 The system shall re-assign the calibration date to the lite model** | | | |
| If a general parameter file was provided for a lite model, the calibration date has to be retrieved from the Standard Inputs sheet within the general parameter file. The system shall pick the values for the:  -Year (format YYYY), from the reference CalibYear;  -Month (format MM), reference CalibMonth;  -Day (format DD), retrieve value from reference CalibDay.  The sytstem should check that the date is the last date of the month or 28th in case of February, if it is not then the system should throw an error message. in results file and lite model referring to parameter file shall not be created in system.  The user is not allowed to change this field on screen. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-708 The system shall record the modify action through bulk upload in the events table** | | | |
| This information will appear in the events table and the system shall record that the modification was done via bulk upload (as system comments). | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.0 |
| From | : | smagdalina |
| **RQ-727 The system shall allow the user to upload the support files (general parameter files and experience parameter files) in a zip format** | | | |
| The system shall allow the user to upload an optional .zip file with an internal folder structure containing:  -general parameter files;  -experience parameter files. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 3.8.2.1 |
| From | : | smagdalina |
| **RQ-730 The system should invalidate the run results of the assumption sets that use the modified version of the lite model** | | | |
| If the user selects the option “Update if In Review” and the “In Review” versions of the lite models to be updated are used in assumption set runs, the system will display a warning message informing the user that if he proceeds with his action, the system will invalidate the assumption set runs.  The warning message will display the complete list of runs that will be invalidated for all the lite models included in the instruction file.  The system shall change to “Invalidated” the runs triggered from the nodes that use the modified “In Review” lite model(s) and the runs triggered from the direct parents and grandparents nodes.  The system shall:  -cancel the runs before processing and remove them from the queue, if the modification occurs while the run is queued and the status of the selected runs is “Queued”.  -invalidate the run only after the run is completed, if the modification occurs during the “Processing” status of the run.  -change the status from “Completed” to “Invalidated” for completed runs.  The system shall record in the log file the runID of the assumption sets that have been affected by the modification.  If a selected version of a lite models is modified with the same attributes or the description is changed, the system shall not invalidate the runs of the assumption sets that use the modified version of the lite model.  This requirement is applicable if the user enables the “Update if ‘In Review’ “option. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 5.1.0.0 |
| From | : | smagdalina |

## LMD023 Download Results of the Bulk Upload Process

Lite Models

Use Case

|  |  |
| --- | --- |
| **Constraints** | |
| Pre-condition | The bulk upload process is finished. |
| Post-condition | The resulting log file of the bulk upload process is available for the user in Excel format. |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Path** |  |
| Basic Path | 1. The system displays the lite model dashboard.  2. The user selects the option “Download results” from the “Bulk Upload” drop-down list.  3. The system displays a pop-up window listing the available log files available:  4. The user selects one log file.  5. The user selects 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirements** | | | |
| **RQ-709 The system shall allow the user to download the result log file of the bulk upload process (both for creation and modification of lite models)** | | | |
| The system shall display the list of the log files available.  The system shall provide the user with a file that has the following tabular format:  - Name;  - Base Date;  - Description;  - RAFM Project and Version;  ~~-~~ Code base;  *(Note:-Historical Reports generated before release 6.6.0.0 shall have header as Submodel instead of Code base)*  -General parameter;  -Experience parameters;  All the above fields contain values as entered by the user in the .csv file.  - Version: version number of the newly created/updated lite model. In case of Bulk creation it will be always 1.0; the field is blank if the result status is “Failed”.  - Result Status: possible values: “Created”/ “Updated” or “Failed”.  - Error Description: In case of a “Failed” record the system will provide the description of the failure. The first error encountered is logged.  - Warning: assumption set runIDs that were invalidated/cancelled due to the modification of lite model versions with status “In Review”.  The system shall use the following naming convention for the name of the log file:  <type of action>\_<BU that requested the bulk upload>\_<Geography that requested the bulk upload>\_<date/timestamp of when the file was uploaded>.xls , where:  <type of action> refers to the type of action performed upon the bulk upload; values accepted: “Create” or “Modify”. | Status | : | Implemented |
| Priority | : | Medium |
| Phase | : | 6.8.0.0 |
| From | : | smagdalina |

# Appendices

1. General Parameter file. Standard Inputs Sheet validations

The Standard Input Sheet, within the General Parameter file contains values that are mandatory or optional.

When the general parameter file is uploaded, the system shall check the Standard Input sheet and throw an error if the mandatory fields do not have any value assigned (when specified, the format should be checked as well). Below the list of fields present in the Standard Input sheet grouped by name range:

**Basic Information**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **Currency** | Currency | Mandatory: the system will show an error message if the value associated is not present. |
| **CalibDate** | CalibDate | Mandatory: the system will show an error message if the value associated is not present. |
| **CalibYear** | CalibYear | Mandatory  Format: YYYY.  The system will show an error message if the value associated is not present. |
| **CalibMonth** | CalibMonth | Mandatory  Format: MM  The system will show an error message if the value associated is not present. |
| **CalibDay** | CalibDay | Mandatory  Format: DD  The system will show an error message if the value associated is not present. |
| **BSRequired** | BSRequired | Mandatory: the system will show an error message if the value associated is not present. |
| **RFFund** | RFFund | Mandatory: the system will show an error message if the value associated is not present. |
| **DAconsolid** | DAconsolid | Optional: if blank assume 0. |
| **FundType** | FundType | Mandatory: the system will show an error message if the value associated is not present. |
| **Ownership** | Ownership | Mandatory: the system will show an error message if the value associated is not present. |
| **IM\_Conc\_risk\_P1** | IM\_Conc\_risk | Optional: if blank assume 0. |
| **IM\_Conc\_risk\_P2** | IM\_Conc\_risk | Optional: if blank assume 0. |
| **epifp\_inp** | EPIFP | Optional: if blank assume 0. |
| **Int\_reins\_ID** | Int\_reins\_ID | Optional: if blank assume 0. |

**Technical Provision Bucket**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **Proportion** | TPLineArray | Optional: if blank assume 0. |

**Deferred Tax Inputs**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **dta\_if\_inp** | DeferredTax | Optional: if blank assume 0. |
| **dtl\_if\_inp** | DeferredTax | Optional: if blank assume 0. |
| **dta\_nb\_inp** | DeferredTax | Optional: if blank assume 0. |
| **dtl\_nb\_inp** | DeferredTax | Optional: if blank assume 0. |
| **max\_dta\_inp** | DeferredTax | Optional: if blank assume 0. |

**Risk Margin Calculation Inputs**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **RMCalc** | RiskMarginCalc | Optional: if blank assume 2. |
| **RMAttr** | RiskMarginCalc | Mandatory: the system will show an error message if the value associated is not present. |
| **Una\_SCRPC\_L3** | RiskMarginCalc | Optional: if blank assume 1. |
| **Qfactor** | RiskMarginCalc | Optional: if blank assume 1. |
| **Full\_NBA\_RM** | RiskMarginCalc | Optional: if blank assume 0. |

**MCR Inputs**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **NL\_Premiums** | MCR | Optional: if blank assume 0. |
| **CAR** | MCR | Optional: if blank assume 0. |

**Unavoidable Market Risk Inputs**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **UnaPC\_IR** | Not provided | Optional: if blank assume 0. |
| **AttrPC\_IR** | Not provided | Optional: if blank assume 0. |
| **UnaPC\_IRVol** | Not provided | Optional: if blank assume 0. |
| **AttrPC\_IRVol** | Not provided | Optional: if blank assume 0. |
| **UnaPC\_EqVol** | Not provided | Optional: if blank assume 0. |
| **AttrPC\_EqVol** | Not provided | Optional: if blank assume 0. |

**Risk Margin Run-Off Profiles**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **All columns** | RMRunOff | Optional: if blank assume 0. |

**Market Risk – Proportion Avoidable**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Descripition** |
| **All columns** | MktAvoidable | Optional: if blank assume 0. |

**Standard Formula Inputs**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **LATP** | General | Optional: Assume 0 if the field is left blank.  If a value is associated, the system will show an error message if it is not one of the followings:  True, False, 0, 1 or 2.  The system shall convert the Boolean values into Integer parameters:  -True -> to 1;  -False -> to 0.  Integer parameters 0, 1 and 2 do not require any conversion. |
| **BaseGB** | General | If LATP= True or 1, mandatory.  If LATP=False,0 or 2, assume 0 if the field is left blank. |
| **FDB** | General | Optional  If LATP=False,0 or 2, assume 0. |

**Operational Risk**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **OP\_premiums** | OpRisk | Optional: if blank assume 0. |
| **OP\_provisions** | OpRisk | Optional: if blank assume 0. |
| **Exp\_ul** | OpRisk | Optional: if blank assume 0. |

**Intangible Asset Risk Module**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **SCR\_Intan** | IntangibleRisk | Optional: if blank assume 0. |

**Market Risk Module – Concentration Risk**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **SCR\_SF\_conc** | Concentration | Optional: if blank assume 0. |

**Market Risk Module – Counterparty Risk**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **SCR\_cpdef\_1** | Counterparty | Optional: if blank assume 0. |
| **SCR\_cpdef\_2** | Counterparty | Optional: if blank assume 0. |

**Market Risk Module – Interest Rate & Illiquidity risks**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **IR\_up** | InterestRate | Optional: if blank assume 0. |
| **IR\_down** | InterestRate | Optional: if blank assume 0. |
| **Illiquidity** | InterestRate | Optional: if blank assume 0. |

**Life Underwriting Risk Module**

**Health Underwriting Risk Module - SLT Health**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **Revision** | SLT\_Health | Optional: if blank assume 0. |
| **Mortality** | SLT\_Health | Optional: if blank assume 0. |
| **Longevity** | SLT\_Health | Optional: if blank assume 0. |
| **Lapse\_up** | SLT\_Health | Optional: if blank assume 0. |
| **Lapse\_down** | SLT\_Health | Optional: if blank assume 0. |
| **Lapse\_mass** | SLT\_Health | Optional: if blank assume 0. |
| **Income** | SLT\_Health | Optional: if blank assume 0. |
| **Expenses** | SLT\_Health | Optional: if blank assume 0. |
| **Medical\_up** | SLT\_Health | Optional: if blank assume 0. |
| **Medical\_down** | SLT\_Health | Optional: if blank assume 0. |

**Health Underwriting Risk Module - Non SLT Health - Lapse risks**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **Lapse\_up** | NSLT\_H\_Lapse | Optional: if blank assume 0. |
| **Lapse\_down** | NSLT\_H\_Lapse | Optional: if blank assume 0. |
| **Lapse\_mass** | NSLT\_H\_Lapse | Optional: if blank assume 0. |

**Health Underwriting Risk Module - Non SLT Health - premium & reserve risk charge**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **NSLT\_premium** | NSLT\_H\_Pr | Optional: if blank assume 0. |

**Health Underwriting Risk Module – Health Catastrophe**

|  |  |  |
| --- | --- | --- |
| **Header** | **Named Range** | **Description** |
| **Health\_Cat** | H\_Cat | Optional: if blank assume 0. |

1. Bulk Upload

The .csv file provided for the bulk upload process should contain a row with the following headers and underneath that the details for each Lite Model. The same format of the file can be uploaded to create new lite models or to update existing lite models.

Please note:

- All fields should contain one valid value for the associated header.

-“None” is the default text required in case of optional fields. The system shall convert this value in no selection or blank field.

-“N/A” is the value assigned in case no modification of a selected field is required.(Applicable to Modify Lite Model/Aggregation Rules through bulk upload).

**Lite Models:**

|  |  |  |
| --- | --- | --- |
| **Header Column Name** | **Value for Create Lite Models** | **Value for Modify Lite Models** |
| **Name** | Free text. The name should be unique among all the lite models stored in the system and should not exceed the maximum characters set for the length name.  The name length should not exceed 15 characters and should not include special characters. | Name of the lite model that should be modified.  The value entered should match the lite model’s name already stored in the system.  The name cannot be updated. |
| **Base date** | Format: DD/MM/YYYY | Format: DD/MM/YYYY.  Or “N/A” |
| **Description** | Free text. Maximum characters allowed is 200.  The text should be included between quotes (“”), if any commas are included. | Free text. Maximum characters allowed is 200.  Or “N/A”  The text should be included between quotes (“”), if any commas are included. |
| **‘Submodel’ or ‘Code base’**  *(User can either enter Submodel or Code base as header of this column. Both the header names shall be accepted by system)* | <Name of LM Code base >  (LM Code base name should be from the Code bases of the selected RAFM Project on the Create Bulk Lite Model dialog, or “None” if a RAFM Project is not selected) | <Name of LM Code base >  (LM Code base name should be from the Code bases of the selected RAFM Project on the Modify Bulk Lite Model dialog, or “None” if a RAFM Project is not selected) |
| **General Parameter** | Full path within the zipped directory where the files are located or “None”  Path format: folder/sub-folder/file name | Full path within the zipped directory where the files are located or “None” or “N/A”  Path format: folder/sub-folder/file name |
| **Experience Parameter** | Full path within the zipped directory where the files are located or “None”  Path format: folder/sub-folder/file name | Full path within the zipped directory where the files are located or “None” or “N/A”  Path format: folder/sub-folder/file name |