

Customer Release Notes

for

Safran Risk v25.1.00
(Last update: February 24 2026)

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Introduction

This Customer Release Note, or CRN for short, contains information about Safran Risk 25.1.00. This release is a service release that includes a number of bug fixes and a few minor new features.

We suggest you read this note carefully before installing this latest release of Safran Risk.

Supported versions of Safran Risk

The supported versions are 22.2 and 25.1

Before you install

- Please be sure to backup all data before updating any software.
- Study this Customer Release Note carefully.
- Study the Install Guide carefully.

Changes v25.1.0 (January 2026)

Safran Risk v25.1.0 is an enhancement release.

Safran Risk v25.1.0 requires the database to be version 109. (The current db version can be seen in the version table)

If you're using a local database this upgrade will happen automatically the first time you run the new version of Safran Risk.

Major Functional Enhancements

Database

New authentication methods for Microsoft Entra added.

Risk Calendars

New grouping that allows you to organize your risk calendars in a hierarchical way. Calendars can now also be moved between groups after creation.

Schedule

"Risk Finish Date Probability" column added. This lets you see the probability to meet the finish date for all activities in the schedule tab.

It is now possible to see the Cost risk percentiles as a column in the schedule tab.

Number of allowed user fields has been significantly increased.

Schedule health

A new tab called Schedule Health has been added. This will replace the Schedule warnings tab. The Schedule Warnings tab is still available but will be removed going forward. The schedule health tab is a comprehensive module that allows you to quickly get an overview of the state of your schedule

Risk Mapping

Probabilistic Linking added allowing the turning enable/disable links to predecessors during the risk analysis.

Cost

It's now possible to add all the costs from the schedule as a node in the cost tab. This is done via the "Grouping".

In the grouping dialog a whole branch can now be copied and pasted. This enables quicker building of tree structures.

A new "Contribution" column has been added that shows the percentage that the cost constitutes of the whole.

Correlations

New option called "Show Activity Path" has been added that will allow for filtering on WBS. This can be used to correlate all the activity uncertainties under a specific WBS node.

Script

A new method called RecalculateCosts has been added to the Model object. This will recalculate all the iteration costs.

Links can now be enabled or disabled via scripting.

Output reports

It's now possible to customize all the titles in the reports. The customized titles can contain variables such as {Project} and {Type}.

Options related to how Risks, Activities and Cost Elements are displayed have been moved to the Output Options section so that they are valid for all reports.

Distribution Graph

Iteration data can now show an iteration in the cost tab.

Improved filter capacity for iteration data.

Added tab for total float distribution (Note that "Calculate Float" has to be selected in the analyze tab for this new tab to appear).

Added "Include Actuals" option that allow switch between remaining and total value. This will impact the duration and cost distributions.

Drivers

Added ability to see duration drivers.

New option called "Label Max width" that can be used to force the labels to wrap. This is also available for Sensitivity.

Distribution Comparison

The ability to filter the distributions has been added.

Colors of the distribution curves can now be changed.

Minor Functional Enhancements

- Memory use has been reduced, especially for the sensitivity. This should result in much faster analysis, especially in situations where all the RAM was consumed by Safran Risk.
- Multiple risk calendars can now be deleted in one go.
- Splash screen is now displayed immediately after Safran Risk is started.
- Database restore functionality that allows for reverting to a previous version of Safran Risk has been added.
- In the PCF histogram the deterministic bars are now always shown on top of the probabilistic ones if "overlaid" option is chosen.
- Cost Diff field added that is displayed after an import of an external file. This lets you compare the costs in Safran with the ones from the source.
- The percentage of cost that is impacted by the activity (previously called fraction) in the schedule connection can now be set using decimals.
- The color of the highlighted row can now be changed for most of the grids. It's done in Schedule | Project | User settings.
- Overridden risk mappings are now highlighted in the Risk Mappings grid with a pink background
- Added "Table proportion" option that can be used when exporting chart and table to image.
- Risk probabilities can now be entered with decimals.
- Added ability to select which risk mitigation position to use for the "real time analyzer" in the Cost tab. This is now an option. Possible

values are “Pre-mitigated”, “Post-mitigated” and “From Analyze settings”.

- Added option for showing correlation as percentage or decimal number in drivers.
- Added option to change color of the tornado chart in Sensitivity.
- Sorting by color is now possible in Project Risks.
- Excel Export/import of impacts correlation for a risk in Project Risks is now supported. These are values that can be set if the risk is set to “Impact independently”.
- In the Risk register excel export existence and impact correlation are now included.
- During import from Safran Risk Manager, the projects are now displayed in a hierarchy.
- Risks can be selected and removed using a risk picker in addition to the check boxes in the Risk Mapping tab.
- New option for hiding “Zero values” has been added to the sensitivity tornado options.
- If a summary uses a calendar in the schedule tab this will now be used for durations in the Distribution graph. In previous versions 24h calendar was always used here.
- Critical paths can now be added to the excel Report that is created from the Analyze tab.

Issues Addressed

- Fix to issue in “Generate risk calendar from template” that could lead to Safran Risk shutting down.
- Fix to issue where selected columns in Project Risk would not be remembered.
- Fix to filtering on date user fields. The filter now allows proper date filtering.
- Fix to duplicate names generated when adding risks quickly.
- Fix to issue exporting raw data from distribution graph for large models.
- Fix to suggested values not being consistent in the Correlations tab.
- Fix to importing .rrx (PRA) files that were created with comma as decimal separator.
- Fix to activity percentage summation when mapping activities to a cost element in the cost tab.

Changes v22.2.51 (September 2025)

Summary

Safran Risk v22.2.50 is a patch release.

Schedule Warnings

Two options to exclude warnings on milestones and/or hammocks have been added.

Details

Issues Addressed

- Fix to update issue that occurred when updating the percentages(fractions) in the schedule connection.
- Fix to xer import issue that occurred when planning unit was set to minutes.
- Fix to case when the simulation gave different results for the same seed.
- Fix to issue that occurred when a large number of risks were unmapped.

Changes v22.2.50 (May 2025)

Summary

Safran Risk v22.2.50 is a service release.

General

If using sql authentication with username and password Safran Risk can now remember the password.

Sql authentication password max length changed from 20 to 128 characters.

Home

A notification will now be displayed in the top right corner when a new version of Safran Risk is available.

Project Risks

It is now possible to copy the content of the risk list by right clicking in the table header.

Cost

Improvements to excel import that lets you import file that has references to non-existing costs or activities in the model.

Possible to use NotSet function when overriding the formula for the input fields. This can help handling empty cells.

Details

Issues Addressed

- Fix to xer import when the file format is ANSI.
- Fix to Must Start On date set in script not being shown in “step through”.
- Fix to issue importing BetaPert distributions in the risk register excel import.
- Fix to issue when a filtered-out focus activity was used in the sensitivity analysis

- Fix to issue when an xer file export from Safran Risk could not be imported back into Safran Risk.
- Fix to copy of iteration data in distribution graph.
- Fix to sensitivity analysis freezing.
- Improved speed of cost excel import for complex models.
- Fixed issue in probabilistic branching where a crash would occur if two starting points shared a successor.
- In the SRM import UID is now mapped to Id and Title is mapped to description.
- Fix to issue for column header filter in risk mapping that could occur following a risk id change.
- Fixes to activity duration uncertainty in projects with planning unit set to hours.

Changes v22.2.36 (December 2024)

Summary

Safran Risk v22.2.36 is a service release.

Import

Added support for import of OPRA (Oracle Primavera Risk Analysis) .rrx files. An .rrx file contains the OPRA risk register.

Critical Path Map

It's now possible to export critical paths and activities to excel.

PCF

Performance improvements that should particularly impact the "Export all cash flows" functionality.

Details

Issues Addressed

- Fix to issue when certain activity uncertainties could not be correlated.
- Fix to table font size in Distribution Graph export.
- Removed black frame from sensitivity chart export.
- Fix to axis label not in sensitivity not using the set front size.
- Fix to order of cost elements that could change when the cost model was exported and then imported again.
- Fix to day rate in cost module being wrong in step through when using a planning unit of hours or minutes.
- Fixes to issues importing P6 xer or xml files originating from Primavera Cloud.
- Fix to risk tooltip being wrong in the Iteration data view when planning unit is hours or minutes.

Changes v22.2.35 (September 2024)

Summary

Safran Risk v22.2.35 is a service release.

Import

Added support for Asta Powerproject .pp files.

Improved mapping of uncertainty when importing a multi-project xer file.

General

New licensing system. The transition should be seamless. If you have previously opened your firewall for the port 443 at my.nalpeiron.com, you now need to do the same for the url <https://api.licensing.safran.com/api>.

Project Risks

The advanced impact options are now included in the Excel export and import.

PCF

It's now possible to cancel an export of "All cash flows".

Details

Issues Addressed

- Fix to entering a 2-digit year in for example the Risk Calendars dialog. This should now be converted to a 4-digit year according to the windows settings.
- Fix to uncertainty not being imported for all projects when importing a multi project .xer file.
- Fix to integer user fields from Primavera not being imported.
- Fix to appending projects leading to a crash at the end of the import.
- Fix to correlation matrix freezing in some instances.
- Fix to a date calculation error for SF links with lag coming from a completed activity.
- Fix to too many "Out of Sequence" warnings being shown in the Schedule Warnings.

- Fix to risk calendars referenced by global risks were not included in the Risk Model xml file.
- Fix to issue in Risk mappings import.
- Fix to export of Scatter plot resulting in an empty white image when using a high number of iterations.
- Fix to hammock activities being shown with the wrong duration in the distribution graph when using leveling.

Changes v22.2.34 (July 2024)

Summary

Safran Risk v22.2.34 is a service release.

Installation

It's now possible to change to Microsoft Entra authentication by changing the appsettings.json file (after the install). For Microsoft Entra authentication the connection string should look like this:

```
"Server=safraansqlserver.database.windows.net; Authentication=Active Directory Interactive; Database=SafranRisk"
```

Import

Fixed issues for importing external files when logged in using Microsoft Entra

Risk Mapping

The excel import has been made more robust and now gives improved error messages for invalid excel files.

Cost

Notes can now be added as a column.

Correlation

Fixes to multiple issues. It now also loads faster than before.

Distribution Graph

Made improvements to the Data view excel export. The "Data view" has been renamed to "Iteration Data". The export menu option is now under the Export menu.

PCF

New excel export for "All Cash Flows"

Sensitivity

Duration uncertainty is now shown in sensitivity when the impact type is relative. Before only duration uncertainty with impact type absolute would be shown as items in the Sensitivity.

General

Several improvements to many of the tabs for when a project is opened in read only mode. Before, this led to some info not being available.

Details

Issues Addressed

- Fix to calculation of Deterministic finish being different in Schedule and Distribution graph tab in some instances.
- Fix to user being set to "sa" instead of username when choosing Windows Authentication during installation.
- Fix to CPC being displayed wrongly in the Risk Mappings tab
- Fix to Sensitivity Raw Data export.
- Fix to sensitivity not showing relative duration uncertainty.
- Fix to "Open as File" button that can be used to open the warnings as a file during import of external project file.
- Fix to Copy Risk issue where the mappings would not be shown properly after the copy.
- Fix to issue in report package excel file where Min and Max columns would be empty.
- Fix to issue importing an .xer file containing activity codes with Short name longer than 50 characters.
- Fix to Save As not saving duration uncertainty for some distribution types.
- Fix to relative uncertainty not being shown in correlation grid.
- Fix to mitigation cost being added when mitigation action is de-activated.
- Fix to "Access to the path ... denied" issue when running the report package from the analyze tab.

Changes v22.2.20 (March 2024)

Summary

Safran Risk v22.2.20 is a service release.

Schedule

The “enabled” link property is now supported during the risk analysis.

Import

Fixed issues for xer and msp import

Cost

Significant performance enhancements for large cost models.

Sensitivity

Added property that can be used to limit memory use during sensitivity analysis.

Details

Issues Addressed

- The “enabled” link option is now supported during the risk analysis. IN previous versions this option was ignored during the risk analysis.
- When importing a P6 xer or xml file it was not possible to map integer user fields to duration uncertainty. This has now been fixed.
- Fix to schedule related issue. This occurred after import of an MSP file containing a complex outline with linked summaries.
- A number of enhancements have been made to the cost module. These include speed improvements to importing from excel and navigating around the cost model.
- Fix to Data View Export. Here the date format would always be the US format which could lead to issues on machines with other date formats.
- Improved import of xer files with duplicate values for activity code values.
- An advanced property to limit the degree of parallelism was added to the sensitivity options. This can be useful if the machine runs out of RAM during the sensitivity analysis. Running out of RAM would lead to the analysis being very slow.

Changes v22.2.10 (December 2023)

Summary

Safran Risk v22.2.10 is a service release.

Home

Issue with recent projects that led to projects always being opened in “Exclusive” mode has been fixed. (This does not impact users of local databases.)

Fixed issues related to import of P6 and MSP files

Schedule

Issue with auto filter being very slow has been fixed

Risk Mapping

Performance enhancements.

Correlation

Issue that made correlation view freeze has been fixed.

Details

Issues Addressed

- Fix to Options button disappearing after it had been clicked in Project Risks tab. This happened for small screen sizes.
- Fix to selected Risk Mapping columns not being remembered in some instances.
- Fix to import of P6 .xer file with multiple projects. The issue was that only the costs of the first project were imported.
- Improvement to import of MSP projects where multiple work weeks were used.
- Improvement to import of MSP projects where the option “Split in-progress tasks” was set to false .

Changes v22.2.0 (September 2023)

Summary

Safran Risk v22.2.0 is an enhancement release.

General

It's now possible to login to Safran Risk using Azure Active Directory.

Project Risks

Advanced impact option that lets risks impact activities and costs in new ways. It's now for example possible to spread an absolute risk impact over multiple elements. You can also limit the number of mapped elements that will be impacted each iteration. The advanced impact feature can be activated in the Options.

Column picker that lets you select which columns to show. We have also added the ability to add a number of new columns that lets you see the distribution values and more as columns.

Risk Mapping

Also here we've added a column picker. This now lets you see a lot of the schedule data, such as duration and user fields in columns.

If you're using the Risk Mapping for inputting activity duration uncertainty it's now possible to use all distributions here. You can also use absolute and relative.

Details

Functional Enhancements

- Activity Duration Uncertainty can now be set to any distribution in the Risk Mapping tab. Note that if you want to edit the duration uncertainty in the schedule tab it needs to be absolute and use one of the following distributions: Triangle, Uniform, Trigen or BetaPert.
- Advanced Impacts lets you spread impact over activities or costs and limit the number of impacted elements.
- Schedule data can now be seen as columns in the Risk Mapping tab.

- On a multi user database the project is now opened in Update Mode (instead of Exclusive) after an import. This will help to avoid user locking problems.
- When logging in to the database using sql server login it's possible to see the password temporarily by clicking the new eye icon.
- New columns in the Project Risks tab: Schedule Distribution (Pre and Post), Cost distribution (Pre and Post), Post-Mit Probability, Impact Independently, Notes, and Mappings Count.
- Report generator folder can now be opened from Safran Risk after the end of report generation.
- Activity Duration has been added to the Risk Mapping excel import/export. This will allow setting duration uncertainty in excel.
- When importing risks from SRM they can now be filtered based on Status.
- Resource tab added to Risk Mapping so that resources for each activity can be seen.
- Support for Azure Active Directory.
- Choice to Update, Overwrite or Append has been added to the SRM risk import.
- Select All option added to the SRM risk import.
- An option has been added to the Analyze option to include or not include the activity duration uncertainty. This means this option is now no longer available in the risk mapping tabs. Note that you can choose to see the uncertainty in the risk mapping tab (by adding a column) even though you're not using it in the analysis.

Issues Addressed

- No successor warning is no longer given for hammocks.
- Fix to filter in risk mapping being reset when a project risk was added.
- Fix to color in the distribution comparison legend not matching the color of the curve.
- Fix to Time Now being wrong in the distribution graph.
- Fix to milestone dates being wrong in the Critical Path Map.
- Fix to activity description not being shown correctly in the sensitivity tornado.
- Fix to Project Risk excel import where you could get an error saying "nullable object must have a value".
- Fix to contingency percentage always rounding down in distribution graph.
- Fix to distribution comparison xml import.

- Fix to inactive activities in MSP being imported as normal activities in Safran. This is now fixed so that inactive MSP activities will get Existence option set to "Duratio Non Existence" in Safran. This will lead to the same behavior in the two products.
- Fix to crash during risk analysis with step through. The crash happened when a histogram was open in the schedule tab.
- Added validation to the cost excel import so that fractions in the schedule connection can't be greater than 100%.
- Multiple fixes to the Cost excel import. This could crash before if the outline hierarchy had been changed in the excel file.
- Fix to the xer import where certain corrupt files could lead to a crash.
- Fix to the sensitivity tornado where the tooltip was showing the wrong impact if the planning unit was hours or minutes.
- Fix to crash when converting activity duration uncertainties to risks in the Risk Mapping tab.
- Fix to crosshairs being misaligned when exporting the scatter plot.
- Fix to Global risks not being updated properly when switching between two database.
- Fix to import of lags set as edays from MSP.
- Fix to receiving DataWindow Error "Item Validation error on IMPORT. Continue IMPORT?" when adding a P80 duration column to the links table.
- Fix to P0 duration not showing properly as a column in the schedule tab. This was only a problem is a focus percentile was set to 0.
- Fix to crash when start date was forced outside of the calendar range.
- Fix to "Replace Deterministic Calendar" setting in Project Risks not being saved.
- Fix to crash when erroneous excel risk mapping file was imported. Now an error is displayed instead.

Changes v22.1.1 (May 2023)

Summary

Safran Risk v22.1.1 is a service release..

Import

Some issues related to the xer import have been fixed.

Distribution Graph

Some issues related to the copy graph functionality have been fixed.

Details

Issues Addressed

- Fix to xer import when the main project contains no activities.
- Fix to xer import when the main project has not got a plan start date
- Fix to issue that occurred if convergence was turned on.
- Fix to schedule warnings about open ended activities being shown for outline summary activities.
- Fix to wrong cost tornado graph being copied when using copy chart in the distribution graph.
- Fix to costs not being summed up correctly in distribution graph for outline summary activities.
- Fix to Safran Risk being unresponsive after clicking on copy graph in distribution graph.

Changes v22.1.0 (February 2023)

Summary

Safran Risk v22.1.0 is an enhancement release..

Automatic Report Package Generator

Functionality to generate a report package that contains a number of output chart images, a word report and an excel report. The report package can be run and customized from the analyze tab.

Sensitivity

The UI of the sensitivity analysis tab has been updated. It now also allows you to run sensitivity against a schedule summary, and against the schedule types duration and start date.

Cost Module

It's now possible to have more than one top node and to set the type (e.g. cost, weight, hours etc.) for each top node.

Import

The import of external files now allows three options when updating an existing project; Overwrite, Update and Append. The import now also displays more warnings about potential compatibility problems related to importing external files.

Distribution Graph

It's now possible to set the target to the value of a user field. This allows you to set up target dates for all the activities in the schedule.

Details

Functional Enhancements

- Hammock to Hammock links are now allowed by the Safran Risk scheduler.
- Mode added to distribution graph information.
- Recent projects are now opened with the same access level as they were opened last time.
- Added option to grouping in the cost tab to see the whole path in the summary id field.

- Added option to Show total on the input fields in the cost tab. This allows you to select the input fields that should be summed up.
- It's now possible to switch between the cost details tabs in the cost tab during step through.
- External import warnings are now grouped by type.
- Added Total Float, Free Float and Calendar to the Activity Information tab in Risk Mappings.
- Risk Mean Start and Risk Mean Finish columns added to the schedule.
- Allowed user to ignore warnings for completed activities in the Schedule Warnings.
- Added option for image size for all the output charts. This allows for consistent size of the generated images regardless of the state of the Safran Risk window.
- New Export Data functionality added to sensitivity that export the data in the impacts table.
- The visibility state of the distribution graph components (histogram, s-curve etc.) is now saved between sessions.

Issues Addressed

- If Must Start On is set by script this is now reflected in the Gantt during step through.
- Fix to crash when creating two focus percentiles with the same name.
- Fix to Id column visibility not being remembered between sessions in the Cost tab.
- Fix to excel import of Outline in the Cost tab. All changes made to the outline in excel should now be imported into Safran. Also changes made to empty outline codes.
- Fix to label in Critical Path Map gantt chart showing all paths instead of just the visible ones.
- Fix to crash when "Resource Level after each iteration" was selected.
- Fix to values not being updated in Risk Mapping tab after Fill down (Ctrl+d) had been performed in the schedule tab.
- Improved external import so that it better handles multiple simultaneous imports.
- Fix to duration of action effect being applied wrongly when planning in hours.
- Fix to crash that could occur when typing – (the minus sign) into a distribution value field (for example in the Project Risks tab).
- Fix to cost elements with decimals always being rounded in the distribution graph. If the values are small they are now not rounded.

- Fix to mean always being shown in minutes in the sensitivity tab. The format of all durations is now controlled by the planning unit and the date format set in the schedule tab.
- Fix to Assigning risk distribution for Milestones in Assign Fields. Risk distribution will no longer be set on milestones.

Changes v21.1.24 (November 2022)

Summary

Safran Risk v21.1.24 is a service release..

Import

Some issues related to import have been fixed.

Analysis

Some minor issues to very specific schedules have been fixed

Details

Issues Addressed

- Fix to scheduling of complex outlines summaries (this mainly affects customers importing from MSP).
- Fix to rate effective dates when importing from P6.
- Fix so that the P6 import handles empty rates in P6.

Changes v21.1.23 (September 2022)

Summary

Safran Risk v21.1.23 is a service release..

Import

The xer import now supports imports of rates other than the standard rate from P6.

Correlation

Fixed issue where the same correlation could generate different random values in a copy of the project.

General

Several changes have been implemented to improve the general stability of Safran Risk.

Details

Functional Enhancements

- New property called Existence on activity used in cost formulas.
- It is now allowed to set fraction in schedule mapping in cost module to 0%.
- Speed Improvement to analysis when using cost module that includes complex formulas.

Issues Addressed

- Fix to issue related to cost formula referencing non-existing activity.
- Fix to issue where random values for correlations were not generated in a predictable way.
- Fix to correlations not being loaded unless the correlation tab had been visited before the risk analysis.
- Fix to risk model xml import/export of input fields formula.
- Fix to risk model xml import/export of distribution impact type.
- Fix to issue related to loading of risk mappings when project is opened.

- Fix to importing of hierarchical activity code. These will now be imported as outline code instead of reference field.
- Fix to global risks not importing correctly from Excel.
- Fix to regression line not working in the scatter plot.

Changes v21.1.21 (April 2022)

Summary

Safran Risk v21.1.21 is a service release..

Import

Fixed a number of issues related to the import of P6 and MSP files.

Correlation

Fixed issues related to using multiple cost input fields and correlation.

General

Several changes have been implemented to improve the general stability of Safran Risk.

Details

Functional Enhancements

- New Icons

Issues Addressed

- Fix to cost impact visualization in Cost tab.
- Fix to problem where the order of the cost elements was not maintained when exported to excel.
- Fix to Summary dates being incorrectly shown in the schedule tab during step through.
- Fix to filtering in Correlation when using more than one input field in the cost module.
- Fix to order of cost input fields in the Correlation matrix in the Correlation tab.
- Fix to error when using Convert Uncertainty in the Risk Mapping tab.
- Fix to delay on SS links not being taken into account during the risk analysis.

- Fix to labels for outlines in the drivers tornado for all cost input distributions.
- Fix to issue for absolute Normal, LogNormal and BetaPert distributions when planning in hours or minutes.
- Fix to xer import for when P6 project contains multiple Roles with the same name.
- Fix to filters in Risk Mapping tab.
- Fix to xer import for when the data date was set to more than 5 years before the first activity.

Changes v21.1.14

Summary

Safran Risk v21.1.14 is a service release..

Multi-User Environment Fixes

- Fixed an issue that prevented users from being automatically added

- Fixed an issue with projects not being visible to all permitted users

Instability

- Fixed a number of issues that resulted in the Schedule Tab being blank

Changes v21.1.12

Summary

Safran Risk v21.1.12 is a service release..

Database Upgrade

Problems with upgrade of 7.3.3 database that could sometimes occur for big databases in version 21.1.11 have been corrected.

Correlation

Problem updating multiple correlations has been corrected.

Save As

Save As could cause an issue in 21.1.11 where cost data was lost. This has been corrected.

Details

Functional Enhancements

- MSP import now sets activity id to unique ID instead of ID. The ID is imported as a user field.

Issues Addressed

- Fix to database upgrade.
- Fix to update of multiple correlations.
- Fix to crash when using options in the tornado.
- Fix to values not changing when changing metric in the Distribution Comparison
- Fix to exporting and importing correlations as part of the risk model file.
- Fix to erroneous message in script tab
- Fix to Save As functionality. The Save As could in some cases lead to loss of cost model data. This has been corrected.
- Fix to user fields not being imported from an .xer file

- Fix to crash while adding correlation between schedule uncertainty
- Fix to problem with link from Risk Mapping to Schedule when using the filter
- Fix to problem with Cost Import excel template. Data validation was set on the wrong columns.

Changes v21.1.11

Summary

Safran Risk v21.1.11 is an enhancement release.

Correlation of Activity uncertainty

It's now possible to correlate the impacts of activity uncertainties in the correlation matrix.

New Cost Module Functionality

Risks can now be mapped to cost elements at the summary level. Allowed for any number of fields instead of just Base and Quantity via the new "Input Fields" functionality. Multiple different groupings can now be applied to the same cost model.

New Import of External Files

The import of external files has been completely re-written. It will import files from P6 (.xer and .xml) and Microsoft Project (.xml and .mpp), but more formats might be added if requested.

Switch database without having to re-start Safran Risk

It's now possible to switch database without restarting Safran Risk. The database connections can be saved.

Probabilistic Branching

Probabilistic Branching has been added. This allows the model to turn on/off branches during the risk analysis. Functionality has also been added to the scripting to make this easier via a script.

Details

Functional Enhancements

- Uncertainty defined on activities in the schedule tab can now be correlated in the Correlation tab.
- Risks can be mapped to cost elements at the summary level
- Input Fields in Cost tab, which allows for any number of fields instead of just Base and Quantity.
- Multiple groupings in the cost module
- Functionality to switch database without restarting Safran Risk
- New import of files from other systems such as P6 and Microsoft Project.
- New Non-Existence Risk type allowing to remove activities during the analysis.
- Probabilistic Branching added.
- Multiple risk calendars can now be mapped to one activity.
- New option on Calendar Risk to choose whether to overwrite or merge the risk calendar downtime with the activity downtime
- Activity three point estimates can now be edited in the Risk Mapping tab.
- Estimate uncertainty risks can now also be used together with activity uncertainty from the schedule.
- Turning on/off a whole branch has now been simplified by the adding of an activity function called TurnOffBranch.

Issues Addressed

- Fix to schedule warnings tab scrolling to top when going to schedule tab and back again.
- Import of distributions as part of the risk register is now case insensitive.
- Fix to Must Start On ignored during risk analysis if leveling.
- Fix to Absolute duration in hours not working for post mitigated impact.
- Fix to Split Triangle and Trigen not working when setting the High% value to 100.
- Fix to setting the existence to false on activity linked to cost module in script cause crash
- Fix to using Auto-filter on the Risk Impacted field

- Fix to excel Risk Register export/import for risks with absolute durations in hours.
- Fix to assigning trigger with the same numbers sets the duration to 0 of the activity.
- Fix to Risk override not being saved in the risk model xml file. This has also been fixed for various excel exports.
- Fix to Series/Parallel of risk mapping not being included when exporting costs to excel
- Fix to Must start on and Must finish on the same date resulting in error during risk analysis.
- Fix to all distribution comparison reports being available to all users in the database. Now only the user that has created the report can see it.
- Fix to crash when cost outline code id is more than 128 characters
- Fix to risk calendar with a window of downtime where the dates are in different years.
- Fix to copying cost from one group to another.
- Fix to changing metric change “compare against” in distribution comparison.

Changes v7.3.3.421061

Summary

Safran Risk v7.3.1.420061 is a service release.

Concurrency

Fixes have been made to issues that occurred when more than one user opened up the same risk model. The issues were related to data being lost when updating Costs, Risks, and Correlation.

Details

Issues Addressed

- Fix to cost data being lost when two or more users edit the same project.
- Fix to risk data being lost when two or more users edit the same project.
- Fix to correlation data being lost when two or more users edit the same project.
- Fix to opening the project in Read mode. In this mode the user can still edit the risk part of the model. Further improvements will be made to this area in a future version.

Changes v7.3.3.421031

Summary

Safran Risk v7.3.1.421031 is a service release..

Safran Risk Manager Integration

Support for importing risk data from Safran Risk Manager

Lognormal

Fixed bug that occurred when mapping a risk with an absolute lognormal distribution to activity.

Absolute Duration Type

This field was not saved in the risk model xml or the risks excel file. This has now been fixed.

PCF Crash

A crash in the PCF could sometimes occur if the latest date was a start date. For example when the last activity in a project is a start milestone. This has been fixed.

Details

Functional Enhancements

- Safran Risk Manager Integration

Issues Addressed

- Fix to absolute Lognormal
- Fix to Absolute Duration Type not being saved in risk model or excel file
- Fix to PCF Crash
- Fix to Risk Model export failing after deletion of focus activity in schedule
- Fix to Save As failing when a risk had been overridden
- Fix Risk excel import not working for users that don't have the cost module

Changes v7.3.3.420111

Summary

Safran Risk v7.3.3.420111 is an enhancement release of v7.3.2.420071 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

Azure Sql

Support for connecting to an Azure Sql database.

P6 Suspend and Resume date

Handling of suspend and resume dates when importing a .xer file. The Resume date will be modeled as a "Start No Earlier Than" constraint in Safran Risk.

Import of uncertainty from MSP

Three point estimate activity uncertainty can now be imported from custom fields in MSP.

Details

Functional Enhancements

- Support for Azure Sql Server
- Handling of P6 Suspend and Resume dates.
- Import of uncertainty from MSP
- Licensing done via https.

Issues Addressed

- Fix to Risk excel import
- Fix to sensitivity raw data export
- Fix to problem where an activity could end up outside the outline after an import from P6
- Fix to absolute LogNormal distribution.
- Fixed issue related to FIPS compliance.

Changes v7.3.2.420071

Summary

Safran Risk v7.3.2.420071 is an enhancement release of v7.3.1.420011 from Safran Software Solutions. Together they contain new functionality, enhancements, and improvements.

Probabilistic Cash Flow

A new report that lets you see the cash flows for all the iterations in a probabilistic way.

Analysis

Ability to override risk impact at assignment level. This is done in Risk mappings for activities and in the cost tab for costs.

Run analysis until convergence.

Correlation

Improved functionality for filtering, adding and deleting in the correlation tab.

Critical Path Map

See critical paths up to a certain activity in Critical Path.

Details

Functional Enhancements

- Added Probabilistic Cash Flow
- Ability to override risk impact at assignment level. This is done in Risk mappings for activities and in the cost tab for costs.
- Run analysis until convergence.
- Improved functionality for filtering, adding and deleting in the correlation tab.
- See critical paths up to a certain activity in Critical Path Map
- Improvement to absolute duration in Project Risks. You can now set the duration in either Days or hours, but not a combination of the two.

This solves several issues that was caused by setting a combination of days and hours.

Issues Addressed

- Risk Calendars duplicated when going from one database to another.
- Fix to XER import of project containing resource assignments with multiple rates.
- Fix to analysis not including cost of completed activities.
- Fix to copy/paste for global risks.
- Fix to adding a weather calendar with a template using 29th Feb
- Fix to mapping estimate uncertainty on the project level.

Changes v7.3.1.420011

Summary

Safran Risk v7.3.1.420011 is a service pack release containing smaller improvements and bug fixes.

Analysis

Fix to an issue related to distributions with absolute distributions. The issue that has been fixed could sometimes lead to outcomes outside the expected range. This was mostly a problem with absolute distributions less than a day on a project with planning unit set to hours or minutes.

XER Import

Fix to the import of Min, ML, and Max values from primavera.

Details

Functional Enhancements

- New option in project risks to set hours per day for absolute distributions. This is relevant if you're using absolute distributions and plan in hours or minutes.

Issues Addressed

- Fix to an issue related to distributions with absolute distributions. The issue that has been fixed could sometimes lead to outcomes outside the expected range. This was mostly a problem with absolute distributions less than a day on a project with planning unit set to hours or minutes.
- Fix to an issue which meant that the Min, ML and Max fields weren't populated during an XER import.

Changes v7.3.1.419111

Summary

Safran Risk v7.3.1.419111 is an enhancement release of v7.3.0.419051 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

Risk Analysis

New analysis engine that speeds up the analysis and allows for Latin Hypercube Sampling.

Scripting that lets the user customize the risk analysis.

Details

Functional Enhancements

- New Risk analysis engine
- Risk analysis Scripting
- Allowed user to turn on/off most tabs through the Options. The state of the tabs is remembered between sessions.

Issues Addressed

- Fixed issues with distribution graph "Target" and "Lock X Axis" when planning in minutes.
- Fixed issues with tornado in sensitivity when planning in minutes.
- Fixed issue with editing absolute cumulative distribution.
- Fixed issue with some popup windows opening outside the screen.
- Fixed issue with entering negative values into distributions.

- Changed numbering of automatic risk ids so that they have a fixed number of digits. Like Risk-001, Risk-002 etc.
- Fixed duration for a progressed activity in step through.

Changes v7.3.0.419051

Summary

Safran Risk v7.3.0.419051 is a service pack release containing smaller improvements and bug fixes.

General

Support for concurrent licensing.

Schedule

Added ability to see mapped risks in Gantt chart by using the field "Risks Impacted".

Drivers

Added option in tornado to filter out results less than a certain percentage.

Details

Functional Enhancements

- Added option in tornado to filter out results less than a certain percentage.
- Improvements to the way cumulative distributions are entered

Issues Addressed

- Fixed issues in trending report.
- Fixed "Include uncertainties" option in drivers tornado.
- Fixed issue with remaining duration of progressed activities not shown correctly during step through.

- Fixed issue with outline being incorrectly sorted in the excel export of the costs.
- Fixed issue with focus costs disappearing after Save As.
- Fixed issue with costs changing on completed activities.

Changes v7.3.0.419021

Summary

Safran Risk v7.3.0419021 is an enhancement release of v7.2 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

General

- Performance improvements in all calculations
- Multiple improvements to import and exports of both schedule and cost data
- UI improvements to remember window positions
- New licensing system

Cost

- Time-phased costs
- New formula functionality added to allow modeling of things like 'Penalties',
Overhead costs and 'Waiting on Weather'.

Project Risks

You can now model post-mitigated actions. These can optionally be linked to activities in the schedule or cost elements in the cost model. You can also model the scenario where the mitigation has a probability of occurring and success.

Analysis

Focus Costs now added. These work like the Focus Activities but for cost elements instead of activities.
Support added for Complex Resource rates

Drivers

Criticality tornado has been added.
Added option to calculate drivers' tornado using Correlation, Correlation x Criticality or Schedule Sensitivity Index.

Details

Functional Enhancements

- Improvements to the way cumulative distributions are entered
- Risk mappings now remembers the expand / collapse state
- Enhancements to pre and post mitigation UI
- The installation has been improved to reduce issues installing

Issues Addressed

- Fixed issue analysing risks with only a post-mitigated impact
- Fixed problem importing resource rates and costs from XER file

Changes v7.2

Summary

Safran Risk v7.2 is an enhancement release of v7.1.5 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

New Cost Functionality

You can now create a cost risk model that can be used independently or as part of a fully integrated cost and schedule model

Risk Mappings

A new filter has been added to allow filtering the risks by name or description

Drivers

Risk drivers has been improved to allow visibility of what's driving any element of the schedule

Reporting

All reports have been updated to cater for the new cost functionality

Home Screen

Now provides an overview of the currently open project and allows the risk model to be imported / exported

Details

Functional Enhancements

- Output tabs are marked with red dot when the results are out of date (because the model has changed since the last analysis).

- Windows now remember the size and position
- When filter applied in the risk mappings you can now see how many activities are filtered in.
- Improved consistency of results so that an export and import of the model should not alter the results.
- The Safran Risk install now includes the Safran Admin tool. This can be used to set up access and users in a multi user environment.
- Added Expand/Collapse functionality to all the trees.
- Added way to set permanent min/max of x-axis in distribution graph.

Issues Addressed

- Fixed problem related to post mitigated calendar risks.
- Fixed problem where all the paths were showing with zero percent in Critical Path M
- Fixed problem where reports could not be deleted in distribution comparison.

Changes v7.1.5 SP1

Details

Issues Addressed

- XER Import:
 - Configure scheduling options according to 'Progress Override / Retained Logic' settings in P6
 - Fix to duration import for Not Started Activities
- Fix loop in Safran Risk scheduler that could occur under certain circumstances
- Fix Issue in Sensitivity Tornado report where showing top 'n' risks occasionally would show incorrect risks
- Fix issue when exporting or copying the distribution graph was displaying a black bar at the top of the image
- Fix for risk calendar downtime outside the calendar range
- Fix for progressed activities during levelling
- Fix issue in the installation where upgrading would amend a server installation to a personal installation

Changes v7.1.5

Summary

Safran Risk v7.1.5 is an enhancement release of v7.1 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

Sensitivity Analysis

Added new tornado report showing the side by side effects of schedule and cost impacts

Risk Register Export

Added new Excel risk template and provided the ability to import and export risks to Excel

Risk Output to Excel

Added new functionality to allow the project and focus activity risk output information to be written to Excel

Risk Mappings

Added new functionality to show which activities have the selected risk(s) mapped to them

Performance

The analysis engine has been rewritten to maximize performance and offers improvements between 100% and 1000%

Large Projects

The memory usage has been optimized to allow the successful analysis of projects with many 10's of thousands of activities.

Installation

Multiple enhancements have been made to the installation process, particularly when upgrading from previous versions

Details

Functional Enhancements

- Improve Sensitivity Analysis Performance
- Added ability to import / export P6 Expense Information
- Added additional output information to the schedule Gantt chart including Criticality Index, Mean Duration, Mean Cost
- Enhancements to the handling / importing of 3-point estimates
- Enhanced Copy / Paste of risk information to include the risk impacts
- Added options to show the Risk Name and / or description in Sensitivity Analysis
- Improved drivers tornado to only show predecessors if displaying a focus activity
- Improved dynamic axis in distribution comparison to correctly configure from available data
- Improved distribution graph to show percentiles in the y axis
- Added confirmation message when removing distributions
- Added mean to Sensitivity Analysis, Distribution Comparison and Summary Screen
- Added target date to distribution graph
- Risk colour is now auto-generated to speed the creation of risks

Issues Addressed

- Fixed issue with impacts on remaining duration
- Fixed exception when exporting certain project risks

- Fixed issue importing calendar risks
- Fixed issue where Save As wasn't saving the state of the schedule warnings
- Fixed issue that prevented erroneous window handle messages being written to the log file
- Fixed issue with underlying scheduling application not closing if no project had been opened
- Fixed issue running risk analysis without any risks mapped
- Fixed issue in distribution graph where the checked state of items in legend wasn't remembered
- Fixed issue with labels in duration distribution graph displaying incorrectly when a small spread was involved

Scheduling enhancements:

- Fixed an import of XML files that could cause an error.
- Fixed an issue that would cause an error when importing a XER file with duration uncertainties.
- Fixed an issue calculating free float when using Finish to Finish links.

Changes v7.1 SP1

Details

Issues Addressed

- Fix a rounding issue when using activity uncertainty during the analysis
- Fix crashes when showing / updating the Histogram Properties in the Schedule
- Fix an issue when importing calendars from XER with a string length > 100 characters

Scheduling enhancements

- Fixed crashes when showing / updating the Histogram Properties in the Schedule.
- Fixed an issue when importing calendars from XER with a string length > 100 characters.
- Fixed an issue where the final Milestone symbol didn't display if the timeline of the Gantt diagram used the combination Overview and Best Fit.
- Fixed an issue where a text field edit would trigger an D1 Date format error.
- Fixed an issue where cancelling an activity that is already cancelled would lead to an error.
- Improvement, you are now able to see calendar names, not only calendar id, when using Assign Fields preview.
- Improvement, added functionality to allow for Work Exceptions in calendars, this will also support Work Exceptions in calendars originating from Primavera and MS Project.

- Fixed an issue where reading a XML file during an import could trigger an Error -2.

Changes v7.1

Summary

Safran Risk v7.1 is an enhancement release of v7.0 from Safran Software Solutions. Together they contain new functionality, enhancements and improvements.

Mitigation

A new capability has been added to easily define and analyse both pre and post mitigated positions

Scatter Plot

New report to show the joint confidence level based on combined schedule and cost

Gantt Chart

Additional columns are now available to show various risk percentile dates and durations, these can also be added to the Gantt chart and shown as schedule bars against the deterministic bars.

Estimate Uncertainty

A new risk type of Estimate Uncertainty has been added, this helps to provide a clear separation between estimating uncertainty and risks that can be influenced

3-Point Estimates

These can now be imported from P6 or Safran Project and used directly in Safran Risk or automatically converted into 'Estimate Uncertainty' risks

Sensitivity Analysis

This can now be run in two different modes, the current mode where each risk is removed one at a time then put back in and the next risk removed, and a new mode that allows you to select the Top 'n' Risks you are interested in, this will run multiple passes through the sensitivity, each time removing the top risk from the previous run, this is also known as calculating the Risk Prioritization

Risk Trending over time

The Distribution Comparison report has now been expanded to include the ability to track and monitor risks over time, this provides a much better understanding of how the project is performing over multiple review cycles

Notes Field on Risk

A new notes field has been added to the risk

Installation

Multiple enhancements have been made to the installation process to make it more reliable, particularly when the installing without administrative privileges

Safran Project version 7.1

Upgraded the scheduling tool, it is now based on Safran Project 7.1.

Licensing system

Upgraded the licensing system to use the latest version, also added capabilities to set expiry date. Due to the change customers that use license keys will get new keys that will work with Safran Risk 7.1. Customers that have bought Safran Risk licenses will get the new keys sent to them. Customers using a 30-day trial of Safran Risk don't need a key for their trial period. Users wishing to apply for an extension to their trial period will require a new license key.

Details

Functional enhancements:

- Added ability to show any 'P' date bars in the schedule
- Improved the import of XER files created from OPRA
- Improved the installation process for non-admin users
- Enhanced installation to be clear that only 64-bit environments are supported

- Added spinner to database administrator
- Added ability to print the distribution graph and the information pane
- Added license viewer to the 'burger menu'
- Extended the space available for the risks in risk mappings
- Improved sample data to demonstrate some of the new 7.1 functionality

Issues Addressed

- Fixed bug with Server edition logon dialog
- Fixed bug with distribution highlighters pointing to incorrect point on axes under extreme situations
- Fixed issue where, on some reports, the x-axis labels could overlap if time portion included
- Fixed issue with the data view where the risks would sometimes show to the left instead of the right

Scheduling enhancements:

- Added cancel activity as to the Ribbon menu
- We have added report to the Admin tab of the Ribbon menu
- We have added enterprise fields to the Admin tab of the Ribbon menu
- We have added a Logic Navigator to the View tab of the Ribbon menu
- You are now allowed to dock and undock features of the information area

- We made adjustments to the userfield setup:
 - We increased the number of available reference fields to a total of 60.
 - We increased the number of available text fields to a total of 40.
 - We increased the number of available date fields to a total of 40
 - We increased the number of Decimal fields to a total of 20
 - Number fields are replaced by Decimal fields
- We have added a filter function to the Assign Link fields window that allow you to filter on link properties

Changes v7.0

With this release of Safran Risk the version number has been brought into line with other products in the Safran product suite.

Functional Enhancements:

- Drivers and sensitivity against intermediate milestones
- Multiple highlighters and percentiles
- Focus Activities
- Focus Percentiles
- Step through analysis
- Post simulation iteration analysis
- Additional filtering capabilities
- Grouping of schedule warnings
- Added BetaPert Distribution
- Enhancements to the Critical Path Map
- Enhancements to cost risk
- Enhancements to XER Import

Issues Addressed

- Fixed an issue that didn't allow you to mass update risk mappings from series to parallel and vice versa.

- Fixed an issue where the sensitivity analysis would display the bars in the same size
- Fixed an issue where you could get a timespan/duration overflow running the risk analysis.
- Fixed an issue where F-secure erroneously reports a virus in the install file.
- Fixed an issue where the distribution graph would display large P values as days, but they were actually minutes.
- Fixed an issue where changing between Group and Outline view then returning to risk mapping caused an error.
- Fixed an issue that caused the paste function to remain disabled even after a copy.
- Fixed a refresh issue where importing a risk xml file didn't show risk calendars
- Fixed an issue that didn't model parallel risks properly
- Save As in Safran Risk now saves both the project and its risks.
- Fixed an issue that caused Trigen/Trigangle values to disappear when toggling risk impacts.

Changes v1.6

- Fixed an issue with importing XML files from MS Project
- Improved the import of XER files from Pertmaster
- Fixed an issue with synchronizing risk calendars after import
- Fixed a scrolling issue when creating risk calendar templates
- Fixed a memory issue when running the sensitivity analysis
- Minor improvement to the Home Screen including the ability to close a project
- Provide compatibility support for Safran Project 7.0.

Changes to the schedule tab in version 1.6:

- Fixed an error on resource dropdown list in resource view
- Fixed an error on paste of value to the Planned QTY cell of resource view
- Added a refresh of the Barchart Editor window at change of total costs
- Fixed an issue with Assign Link Fields that didn't remember the filter used
- Improved performance on Auto filter function of the Barchart Editor
- Fixed an error of import->update of SP files where Lock Scope was set and the project didn't contain any change orders while the source SP file contained change orders.
- Fixed issues relating minute based calendars

Changes v1.5

- Sensitivity Analysis – Allow the selected percentile to be easily changed without using the slider
- Schedule Warnings – When accepting an item, it used to change to the all items view, this is now fixed
- Re-coloring risks not implemented until plan closed – This is now updated immediately
- Clicking on a summary in Risk Mapping does not update the state of the parents – Fixed
- Absolute Risks currently use days as their unit – These can now be entered in Days, Hours or Minutes
- Analyze only selected risks – The risks to be included in any analysis can now be selected
- Persisting of options – The risk analysis options are now persisted
- Memory / Performance issues on large projects – Multiple improvements to allow the analysis of projects with 10's of thousands of activities in a performant manner
- Group view not shown correctly in mappings – Improve the way activity hierarchies are displayed throughout the product
- Improved Schedule warnings tab header to show circle containing the number of 'active' warnings
- Create Uncertainty Risk – Added option to 'Impact activities independently'
- Compare S Curves – now shows the Finish and Cost differences between the deterministic values and the selected percentile.
- Windows scaling causes some of the dialogs in the Schedule to display strangely – Improved the way windows scaling effects all

windows

- Drivers, need to be able to shown top N risks/activities – this can now be set in the options
- Adding and removing impacts are now reflected immediately in correlations
- Added the name of the currently opened project to the title bar
- Distribution Graph has been updated to display the deterministic values within the displayed axis
- Schedule Warnings has been improved to allow the selection of those warnings you are interested in
- Distribution graph for duration – Added a graph to show the duration distribution as well as the Finish date and Cost
- Added the last analysis run timings to the Results Summary
- Sensitivity Analysis now uses only those risks that are selected in the Analysis options
- Added the ability to cancel the analysis
- Separated Cost and Time information on the information panels in the Distribution Graph
- Added Analysis options to ignore correlations or resource levelling
- Fixed issue with the progress bar when running the sensitivity analysis with just 1 risk
- Fixed issue with the risk mappings view not always being updated correctly after the view of the schedule is changed
- Added the description of the risk / activity to Drivers
- Added ability to copy the distribution graph to the clipboard

- Fixed issue with the Distribution Cost graph only shows the X-axis (no bars) when exported
- Fixed issue where hammocks were not being correctly calculated in the distribution graph
- Improved the deletion of project and global risks so multiple can be selected and deleted
- Added cost curves to Sensitivity Analysis
- Fixed performance issues when analysing hammocks
- Fixed issue where modified risk impact values were not reflected in other tabs
- Improved the validation process when entering risk distributions
- Fixed issue in Schedule Warnings where all items would disappear when re-running the schedule check
- Improved the way the Schedule information is displayed when using Windows 7 Classic Theme
- Added the ability to see the activity type in risk mappings
- Fixed an issue where unchecking a risk in mappings could generate an error
- Improved Distribution Comparison so that it only shows tabs that contain curves e.g. costs or finish dates
- Fixed issue where running 1 iteration with correlations included throws an error
- Fixed issue where cancelling an analysis and then re-running the analysis with a different number of iterations caused an exception
- Fixed issue where changing the percentile value in the Distribution Chart wasn't correctly updating the associated information correctly

- Removed Hammocks from Risk Drivers
- Fixed issue when entering a weighting for discrete distribution and hitting backspace would cause an exception
- Fixed issue where deleted global risks would still show in the dropdown in project risks
- Improved Schedule warnings to allow a warning to be accepted without providing a reason

Safran Support

For swift and reliable support, Safran is always available at:

- <https://support.safran.com>
- E-mail: support@safran.com

Contact us

If you have any questions, we encourage you to contact Safran via the [contact page](#). Your queries are important to us.