



Safran Risk: Latest Features and Short Term Roadmap

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Agenda

Last Release (22.1),

Current Release (22.2)

Demo of latest new features in 22.2

Next Release (24.1)

New Schedule Health Check



Safran Risk Major Releases



22.1

- Report package generator
- Sensitivity for summary
- Cost Module improvements
- Import improvements (for non-Safran files)
- User field as target in Distribution graph

Safran Risk Major Releases



22.1

- Report package generator
- Sensitivity for summary
- Cost Module improvements
- Import Xer improvements
- Distribution graph user field target

22.2

- Login with AAD
- More project risk columns
- Schedule values in Risk Mappings screen
- Activity Uncertainty using all distributions
- Advanced Impacts



Demo of 22.2

Safran Risk Major Releases

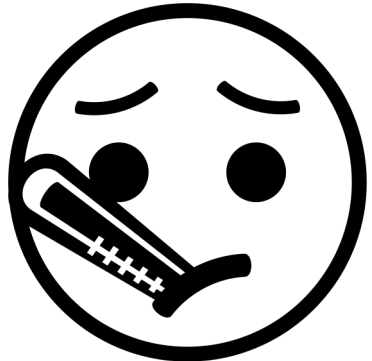
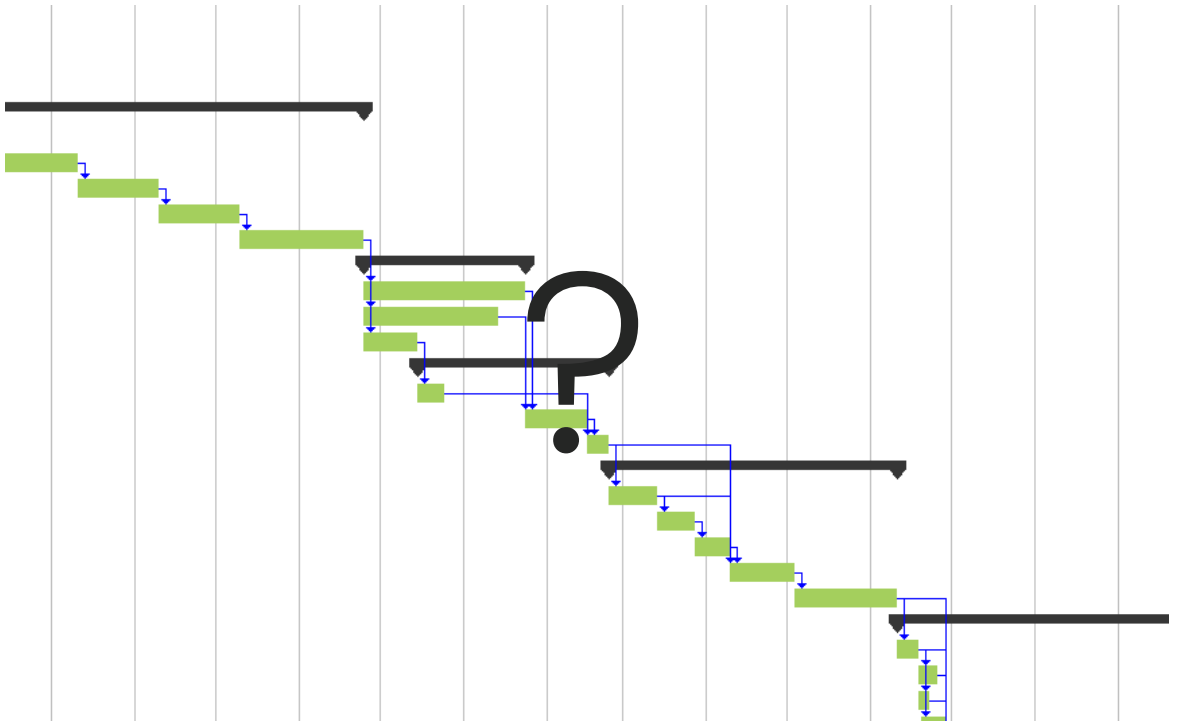
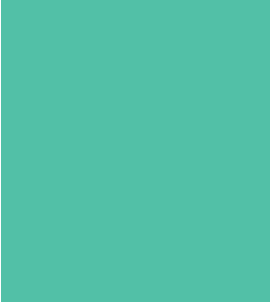


Safran Risk Major Releases

24.1 or later

- "ReCalc Cost" function to the scripting model.
- Cost as a percentage of total in a column in Cost Module.
- Percentiles as columns in the Cost Module.
- Post analysis iteration view for Cost Module
- Turn on/off uncertainties in the analyze tab
- New XER Export
- Risk Picker/delete button in Risk Mapping tab

Schedule Health



Schedule Health

Current offering

Properties - Schedule Health

Name: Untitled Owner: DBA

Remarks:

Titles Report Warnings/Thresholds

Include Fields as
 14 pts. Assessment Standard Tripwire User Defined Include AoS (Effort Driven) Include "Hammocks"

Critical Path Length Index Methods
 Project Total Float End-Activity Total Float
 Project Float, Set end End Activity Float, Set end

Baseline Execution Indices
 Start Finish CPI SPI TCPI TC

Activity Count
 Total Number Activities Milestones Critical (Float <= 0) Logic

Completed Start Act. (No Pred.) Finish Act. (No Succ.)
 Planned to Complete No. of Links No. of Non-FS links
 Completion Ratio No. of Locked act. Links with Neg. delay
 Hits Links With Pos. delay Actual dates in future
 Misses Remaining/Incomplete

Schedule Status
 Current Start Remaining time Act. w. Neg. Float Act. without resources
 Current Finish Act. w. Float: 44 Act. w. Dur. > 44 Milest. compl. out of seq.

No. of Activities
 Out of Sequence Added after baseline "Fit" activities "Non-existing" (ignore)
 AoS(effort-driven) Hammocks Slipped more than 21 days

Statistics
 Activity Duration (0, 1-10, 11-20, 21-60, >60) Float Statistics (0<, 0, 1-10, 11-22, 23-44, >44) Link (SS, S)

New Report Open Report... Save Save As... Preview

Report: Sch Project Count

Metric

Indices

BEI - Start
 CPI - Cost Performance Index
 SPI - Schedule Performance Index
 TCPI - To-Complete Performance Index
 TCPI / CPI

Activity count

Total Number of Activities	27
Completed Activities	0
Activities Planned Complete	0
No. of "Hits"	0
No. of "Misses"	0

Milestone Count

Total Number of Milestones	2
Completed Milestones	0
Milestones Planned to be Completed	0
Remaining Milestones	0

Critical Activity Count

Critical Activities	22
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Logic

Start Activities (No Predecessor)	1
Finish Activities (No Successors)	1
Number of Links	35
No. of non FS - links	0
No. of Links with Positive Delay (Lead)	0 2.0

Schedule Status

Current Start	0
Current Finish	0
Remaining Time in days	0
Activities with Negative Float	0

Modifications

CMODS

BREVS

More Activity count

Out of Sequence Activities	0
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Prepared by Safran Project Prepared

Home Risk Calendars Schedule Schedule Warnings 44 Project Risks Risk Mapping Cost Correlations Analyze Distribution Graph Drivers Sensitivity Analysis Scatter Plot PCF Distribution Comparison Critical Path Map

Open Items Accepted Items All Items Export

Schedule Warnings

Constraints (5 items)

ActivityName	Description	Warning	Accept	Notes
3810	Mobilise Flexlay/Subsea Construct	Constrained activity with Start No Earlier Than constraint	<input type="checkbox"/>	
1030	Project team (FPSO)	Constrained activity with Start No Earlier Than constraint	<input type="checkbox"/>	
1290	Project team (HO)	Constrained activity with Start No Earlier Than constraint	<input type="checkbox"/>	
1300	Project team (Subsea)	Constrained activity with Start No Earlier Than constraint	<input type="checkbox"/>	
START	START model	Constrained activity with Must Start On constraint	<input type="checkbox"/>	

Lags (47 items)

ActivityName	Description	Warning	Accept	Notes
1060	Rig Recommendation & Investor	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1080	Reservoir Planning	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1340	Detailed Well & Completion Desig	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1380	Set-up Logistics Base and Vessels	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1400	Issue Bridging /interface Docume	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
4790	Application for Discharge	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1430	Draft Drilling, Testing & P&A Prog	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1450	Site & Well Specific Risk Assesse	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1530	Final Drilling & Completion Progr	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
1540	Pre-Spud Meeting (office / site)	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6350	Award Subsea Production System	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
4820	SPS Central Detailed Design Engin	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
4910	Detailed Installation Engineering	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
2030	Procurement of Control Umbilicals	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
3130	Engineering & Design of Gas Expo	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5360	FPSO Topsides Detailed Engineerir	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5580	FPSO Hull Detailed Engineering	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5340	FPSO Topsides Procurement	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
2540	FPSO Hull Construction Engineerir	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6040	Power Generation Module Lifting	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6050	Oil Metering Module Lifting on H	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6060	Utility Module Lifting on Hull	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6070	Dehydration & PW Module Lifting	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6110	HP Compression Module Lift on H	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6120	Oil Separation Module Lift on Hull	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6130	Seawater Treatment Module Lift o	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6140	HP Compression Module Lift on H	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6150	Chemical Injection Module Lift on	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6160	Oil Stabilisation Module Lift on Hu	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5870	Bronze Pad Installation	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5990	Upper Turret Lifting on Hull	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
6010	Gantry Structure Lifting on Hull	Lag exceeds acceptable. Activity durat	<input type="checkbox"/>	
5960	FPSO Tank Strength test	Lag exceeds acceptable. Activity duration is 3d, and lag duration is 2d	<input type="checkbox"/>	
6360	FPSO Install Pramo Pump	Lag exceeds acceptable. Activity duration is 29d, and lag duration is 36d	<input type="checkbox"/>	

XER Export Checks Interface

XER Export Checks - (Total Number Of Warnings : 2)

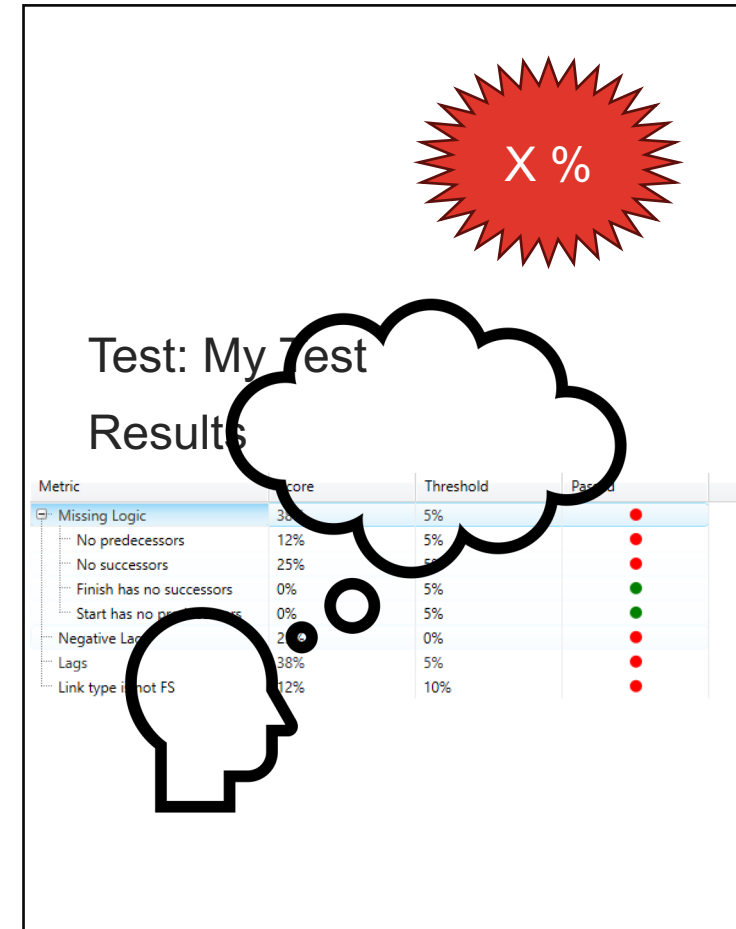
Case	Description
Analyse Option	No Conflict
Calendar	No Working Hour Conflict
Activity ID	Description
FS Link : Activity/Finish Milestone	
R0150	Final on site testing
FS Link : Start Milestone/Activity	
A0100	Project Start

Set Active Filter Show Warning: Refresh Goto Close

Schedule Health

Design goals for new version

- Simple Set up
- Clear overview / Overall score
- Ability to drill down
- Built around the concept of metrics. One test consists of a number of metrics
- Ships with predefined metrics and predefined tests.
- Ability to define your own tests
- Ability to define your own metrics.



Improvement Forum

All Categories / Improvement Proposals / Safran Risk

Safran Risk 6 Followers Add Topic

Sorted by: Recently updated Showing: Planned, Implemented Showing 29 topics

- Improvement - Layout & Filter changes / transition by Michael Hawley, 3 months ago - Last Reply by Fredrik Dahlberg, 10 days ago 1 1 Implemented
- Safran Risk - function similar to OPRA's "Spread the risk duration across multiple impacts" by Carlos Perez Martin, 2 years ago - Last Reply by Carlos Perez Martin, 3 months ago 5 1 Planned
- Date sort rather Alpha sort of Risk Dates in Link Column Lists by Santosh Bhat, 3 years ago - Last Reply by Santosh Bhat, 3 months ago 2 0 Implemented
- Improvement: Allow assignment of Administrative Access to Super Users by Amin, Zaid, 4 months ago - Last Reply by Fredrik Dahlberg, 3 months ago 1 0 Implemented
- Customize Distribution Graph Headings by Eric Ho, 4 months ago - Last Reply by Eric Ho, 4 months ago 2 0 Planned
- Improvement by Michael Hawley 2 1 Planned
- Improvement by Robert 1 0 Planned
- Improvement by Michael 1 1 Planned
- Improvement by Michael 1 1 Planned

Risk impact can now be spread over multiple activities

Changes of Layout no longer resets activity

Sensitivity Analysis on Durations



Thank you.

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