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WHAT'S NEW IN THE OPUS SUITE

2015



by Systecon
opus
suite

New release of Opus Suite – OPUS10, SIMLOX and CATLOC

New versions of the Opus Suite tools, OPUS10, SIMLOX and CATLOC, are released in March, 2015. The Opus Suite is continuously developed and new releases are made annually. The aim is to provide users with relevant new features and improvements to the analysis capabilities, as well as further enhancements of user friendliness and effectiveness. Some improvements apply to the whole suite, while others are tool-specific.

Location of Repair Analysis, Reliability Changes and Paused Maintenance

The most significant enhancement in this release is the improved LORA XT – Location of Repair Analysis functionality. The already unique LORA XT optimization capability in OPUS10 has been extended to include subitems, preventive maintenance and common resources. Furthermore, LORA XT results from OPUS10 may now be more easily analyzed and validated in SIMLOX. Another powerful new feature is the possibility in SIMLOX to pause non-critical maintenance on a technical system, when it is needed for operation. In addition, reliability growth and other types of anticipated changes to the reliability of components can now be modelled in SIMLOX through scheduled adjustments of failure frequency.

Continuous customer driven development

The Opus Suite is continuously developed and improved based on user feedback and evolving best practices and technical advancements. Customers with an active upgrade and support agreement receive new versions at no additional cost.

Key enhancements

- ✓ Expanded and improved LORA XT (Location of Repair Analysis) in OPUS10
- ✓ LORA XT solutions from OPUS10 can now be analyzed in SIMLOX
- ✓ Paused maintenance can be modelled in SIMLOX
- ✓ Improved resource modelling in OPUS10 and SIMLOX
- ✓ Phase Scenario reports in OPUS10
- ✓ Scheduled changes of Failure frequency in SIMLOX
- ✓ Export of results in CATLOC
- ✓ Improved performance in SIMLOX
- ✓ 64 and 32 bit versions for all three tools
- ✓ Improved navigation and usability

Opus Suite enhancements

The following enhancements are implemented in all three tools:

- ✓ 32 and 64 bit versions are now included in all deliveries
- ✓ A new document provides a data dictionary and a graphical mapping of the relations between various input data tables and columns
- ✓ The declassify capability may now include Phase Scenarios and include files
- ✓ Program code has been reviewed and consolidated for compatibility, stability and quality

In addition to the enhancements above, a number of tool specific improvements have been made:



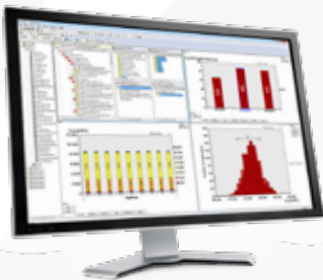
New functionality in **OPUS10 v11**

- ✓ The LORA XT functionality has been improved and extended to now include subitems, preventive maintenance, corrective maintenance modelled by failure modes and common resource usage for multiple maintenance tasks. It is also possible to run *analysis*, *reallocation* or *reallocate-replenish* with LORA XT
- ✓ Resource availability and utilization can be modeled in better detail in OPUS10 and SIMLOX. For example, it is possible to describe which tasks a resource can be used for and if it may be used simultaneously in several tasks
- ✓ A specific Phase Scenario report has been added to provide a more complete picture of the results from a Phase Scenario calculation
- ✓ In the results, costs and repair volumes for an item or system may be broken down and distributed over its subitems



New functionality in **SIMLOX v8**

- ✓ LORA XT is now more fully supported in SIMLOX. A LORA XT solution point from OPUS10 can be used as input for simulation, validation and further analysis in SIMLOX
- ✓ Paused maintenance makes it possible to temporarily stop non-critical maintenance of a system when it is required for operation. The maintenance task is resumed when the system returns from operations
- ✓ Reliability changes can now be accounted for through scheduled adjustments of component failure rates and failure mode frequencies
- ✓ Resource modelling in OPUS10 and SIMLOX has been improved (Same as in OPUS10 above)
- ✓ SIMLOX performance is further improved with regards to memory consumption and execution times
- ✓ A new result parameter has been introduced to show if there are any maintenance tasks that are not taken care of anywhere in the support organization



New functionality in **CATLOC v9**

- ✓ The results presented in the CATLOC report generator can now be exported to a database. The export is based on ODBC in same way as the export of input data.

More complete descriptions of enhancements and changes are offered in the document *Opus Suite Upgrade Information*, which is enclosed in the delivery or available upon request. Contact Systecon or one of our representatives for a copy.