# NEWSLETTER

#11/December 2020


# EDITO

Despite the difficult context, 2020 ends on very positive notes for eLSA: more and more stakeholders request demonstrations or commercial proposals for our tool and the LGM group has transformed the test even recently with MOSS and SIMMT organisations.

In addition, more and more internal projects are using eLSA for external services, and more than 40 employees recently attended **the 100% digital workshop "Demo S3000L / eLSA", animated by our ILS business expert Arnaud AUDOUIN.**

But let's talk about the future, LGM group will launch in 2021, **its "ILS/ISS DIGITAL CONTINUITY " offer and Business Line.**
It will provide a complete set of services (expertise, software and IT products) **to help manufacturers and operators to master their technical and logistic data to optimize their operations.**

eLSA will of course be there!
This is why your newsletter will be revamped for its next edition to offer you content meeting your expectations in terms of technology and expertise.
We look forward to seeing you soon, and the whole eLSA team and LGM group wish you an happy holiday season!


# Contents

**NEWS**

- MOSS, a new eLSA customer
- Back to School ! New school training session
- Replay webinar TEDI—S2000M

**TECHNICAL FOCUS**

- eLSA, new version 1.3
- eLSA: through the different phase of a project's life : design

**EVENTS**

- Training S3000L
- Risk Management and system dependability & safety Lambda-mu

**elsa.lgm.fr/en**

# MOSS, A NEW ELSA CUSTOMER

Since several years, MOSS company (AIRBUS and THALES joint venture) has been working with LGM for ATM/RAMS/HSE/ILS studies, for the IP transition program of the French aerospace operations command (SCCOA)

**At LGM, the ILS team is deploying the comprehensive LSA process on equipments such as networks, communication devices, IT components… following the S3000L guidelines and its rich data model.**

**In order to visualize and review LGM deliverables, MOSS has acquired a license for eLSA.**

eLSA will allow them to take advantage of all the S3000L features supported by the tool: XML deliverables import, hybrid breakdowns (including hardware and specific software), maintenance task requirements (linked to FMECA), candidate item list and analyses repertory, maintenance plans applied to distinctive locations, Excel and PDF exports, remarks and comments (natively supported within the software's interface).

**This license will not only reinforce the collaboration between MOSS and LGM on the project, but will also allow MOSS to showcase deliverables to the French Defense Agency (DGA) directly in an intelligible and intuitive format.**

# BACK TO SCHOOL ! NEW SCHOOL TRAINING SESSIONS

For this academic year 2020, the LGM group renews its interventions within two engineering schools #IPSA and #EPF by providing SLI training to fifth year students.

# REPLAY WEBINAR TEDI—S2000M


If you missed our webinar about our solution for the production and control of supplying data TEDI (animated the TEDI product manager: Alexandre Ben Hamou IT Manager LGM Digital), you can still watch it in replay on our youtube channel. (VOST)

In this webinar, you will be able to discover:

- How to produce and control a tree structure of items (or data) for S2000M supplyingthrough TEDI's ergonomic interface
- The management of a single multi-program article database on TEDI
- Standardized exchange management: Import / Export / Control data through EDI messages and XML IPD in S1000D
- The publication of illustrated catalogs.

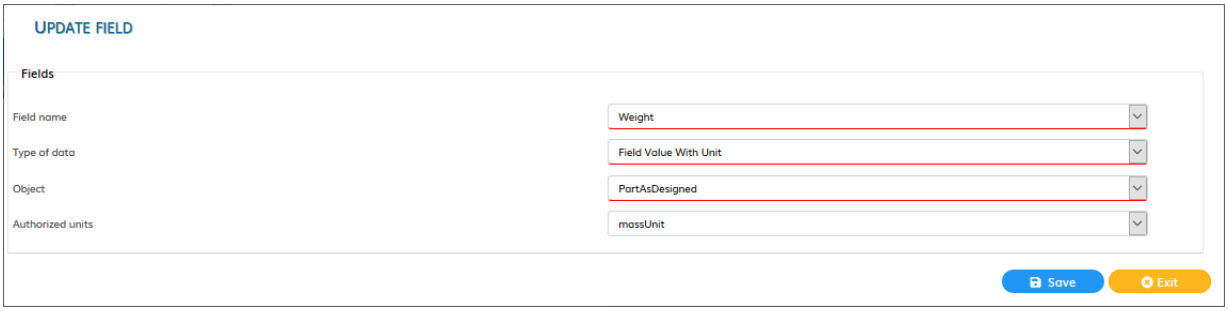
# ELSA, NEW VERSION 1.3

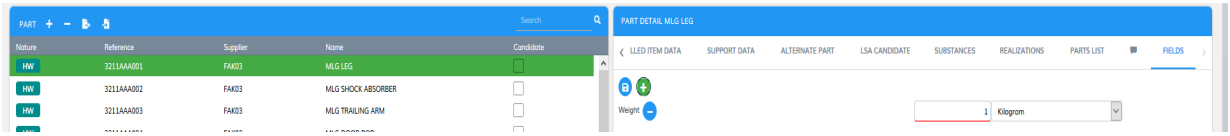
## THE ENRICHMENT CAPABILITY OF THE S3000L MODEL IN ELSA

In order to allow the enrichment of the eLSA data model based on the capabilities of the S3000L Specification, it is now possible to create some additional attributes in the software.

These attributes can be defined by an eLSA administrator via the Reference Data Management module and offer the following capabilities :

- Creation of additional attributes on the 3 major objects: The BreakdownElement, the PartAsDesigned and the Task,
- Definition of the data format of the attribute namely :
    - A free value,
    - A numeric value with unit,
    - A value based on a list of possible choices



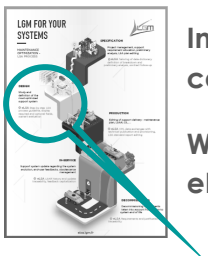

These fields will be available through the user interfaces dedicated to the management of BreakdownElement, PartAsDesigned and Tasks, as any other fields.

This additional information is also available for import and export capabilities in Excel or XML format.

**Version 1.1 of S3000L does not yet offer the ability to extend the data model, however the latest version of the S5000F specification and the Common Data Model supports this model enrichment capability which S3000L v2 will likely benefit from.**

**S3000L v2 is not yet officialy published and is expected for mid-2021.**

# ELSA, THROUGH THE DIFFERENT PHASE OF A PROJECT'S LIFE : DESIGN




**In our previous edition, we presented you with a diagram showing how eLSA can help you at every stage of your product's life.**

**We will now focus on the second phase of product life, detailing the use of eLSA in this case.**

## DESIGN

Study and definition of the most optimized support system

**eLSA** Step by step LSA process guideline, display required and optio-nal fields, scenarii evaluation

**Let's play !**

Following the step when the process and the data dictionary has been defined, it's time to design the most valuable support system for your product.

**The first study will be performed on the primary system. To perform the LSA studies, you must ensure that the analyst will have the right point of view of the system. This representation is one, or several, breakdown**. The LSA breakdown will be oriented to perform for studies, most of the time it will be a mixed breakdown, Functional and Physical, but sometimes it may be useful to have some other type of breakdown…

On the base of the LSA Breakdown, the LSA specialist will select the LSA candidates and perform the various analysis, in regards with the process defined in the LSA Plan. During this work, a lot of data will be generated, and must be recorded in the LSA Database. This record will be used to follow the evolution of the design of the support system and to keep the justification of all decisions that will be taken.

**The purpose of this step is to gather all data required to develop each part of the support system, documentation, training, tools… in a unique database!**

# TRAINING S3000L

LGM Academy, our training organization, has organized a new inter-company session on the S3000L, led by Arnaud Audouin, business expert, on our Vélizy site.


**The purpose of this training is to understand ILS data structuring according to the S3000L specification and take place over 3 days:**

DAY 1: Context of the specification and prerequisites for the data model,
DAY 2: Tree structure and justification of the maintenance plan,
DAY 3: Maintenance task, applicability and data exchange.

This training integrates several examples and practical cases, coming from LGM's experience on the use of this specification, and are available via the eLSA solution.

**If you are interested in our trainings, wish to register or get more information, please contact us : LGM.Academy@lgm.fr or at 01 30 67 08 82 or consult our catalog (French version only).**

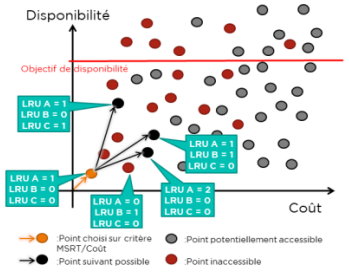
# RISK MANAGEMENT AND SYSTEM DEPENDABILITY & SAFETY LAMBDA-MU 22


Since October 6th and until January 19th, 2021 (over one day and four half-days) the IMdR (Institute for Risk Management) organizes its e-congress (100% digital).

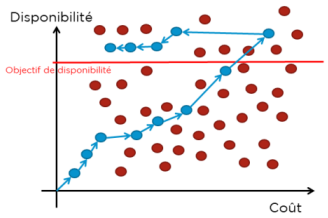
Find all the program here

**Among many subjects, our teams of specialists in Risk Management and Operational Safety will be present (Tutorials and conferences) on many topics, as for example with this publication :**

**« Operational availability and sparing cost optimization algorithm for a system stock"**




*Abstract—This article shows a new algorithm to perform the evaluation of spares required to meet an operational availability target with an optimization of the costs, derivated from ACIR.*
*Some elements about the apparent optimum are provided.*




**Author and for any contact:**
**Thibault Montigaud — thibault.montigaud@lgm.fr**

Stay connected to our website https://www.lgm.fr/en/newsroom/technicalpublication to discover the complete publication early 2021.