

ASD SPEC 2000M Tools

Initial Provisioning Lists and data modules for spare parts catalogues

Create, check or modify Initial Provisioning Lists (IPL) quickly and efficiently in accordance with ASD S2000M (previously AECMA SPEC 2000M) with the APART software. In addition to Chapters 1A and 1B of the ASD S2000M, this application supports the issue of IPD data modules (Illustrated Parts Data) in accordance with ASD/AIA S1000D (previously AECMA SPEC 1000D). This also makes APART an important component in the generation of Interactive Electronic Technical Publications (IETP), such as those used in combination with ESG's QuLLS system.

User support takes priority

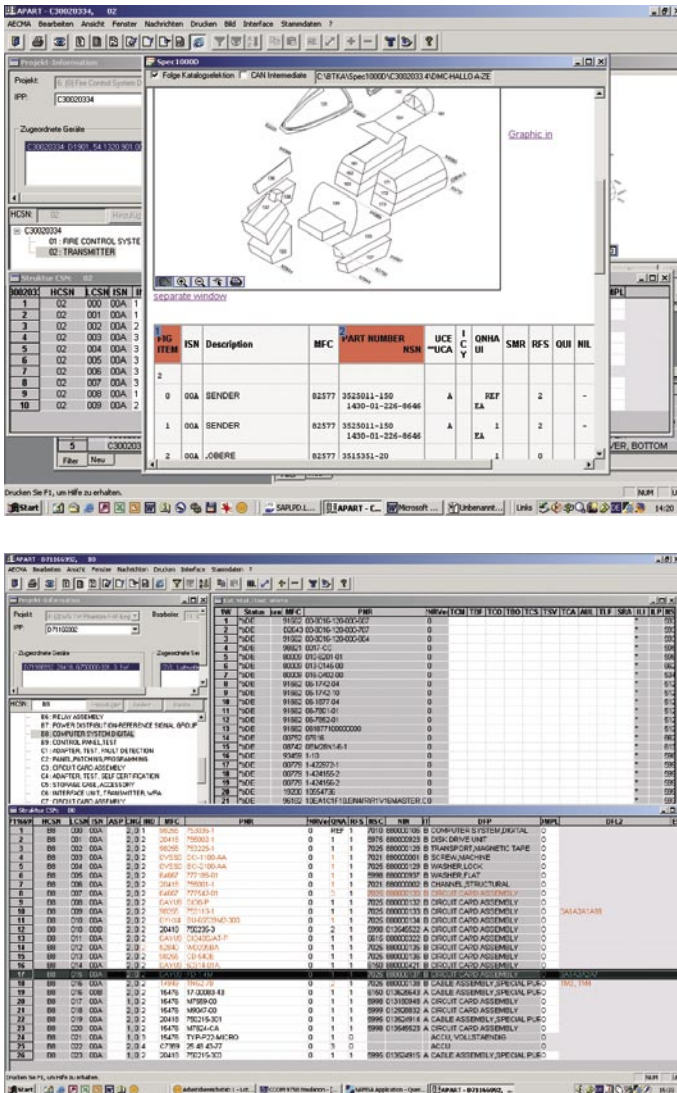
ESG has extensive experience in creating, maintaining and modifying Initial Provisioning Lists and parts catalogues. Our expert knowledge not only comes into play in the wide range of spare parts documentation and management services we offer, but also in the development of the right software applications to suit your needs. As a result, we at ESG have a unique combination of innovative services and software development know-how, which we have used to produce APART. Today, with continuous improvements and adaptations to customer requirements, APART is a sophisticated, practical tool, which is recognised in Germany as the market leader.

The graphic user interface is grouped into ergonomic and process-supporting display and logging masks. The user guidance has been optimised by:

- ▶ Action control via integrated logic
- ▶ Input fields with set value ranges
- ▶ Test routines and search functions for locating important data fields
- ▶ Essentially automatic incorporation of data returned from the national codification authority software (ESG's N-CORE software solution)

ADVANTAGES

- ▶ Supports multinational projects, national implementation requirements and the conversion of data from older national guidelines
- ▶ Project-specific setting of processing regulations
- ▶ Data displays can be adjusted; particularly important for evaluating the effects of different amendment activities
- ▶ A wide range of interfaces for data transfer and data export e.g. for integration into the process chain for IETP generation



View of a S1000D data module and of the amendment service created with APART

Data storage embodies flexibility

Like the data exchange agreements and language settings, the settings for the version of the guidelines used are also project-related, making it possible to process different projects in parallel. The data storage secures the division of the parts master data into different categories on the one hand, while on the other, data from the codification returns are available centrally. Easy access to the "H6 Light" data records supports the pre-codification procedure required by the authorities.

Interfaces make work easier

The message handler for exchanging data between partners involved in the process is included in the scope of delivery as a separate module and can be operated centrally for several users. A neutral ASCII interface is provided for the transfer of master data from the ERP system.

Pre-defined data are available in MS Excel tables and can also be re-imported after further processing. IPD data modules in accordance with ASD/AIA S1000D, versions 1.8 and 1.9, are generated from the stored data records in both SGML and XML formats, and can be pre-checked using the installed viewing components. Printed versions in MS Word can be generated for Initial Provisioning Lists, specific spare parts catalogues and review comments.

Future security is guaranteed

The selection of robust system platforms such as the MS Windows operating system and an ORACLE database means that support will be secure far into the future. The utilisation of reusable components, in part from ESG's IETP system QuILS, makes it easier to extend and adapt to meet specific customer requirements. The cost of software maintenance has been significantly reduced by introducing clear programme structures and using a modern development environment. This is particularly important, since the specification which forms the basis of the application is constantly being further developed, and new demands arising from the conversion of old data in the national context must be met promptly.

Since the APART data model was designed from the outset for the complete functional range of the ASD-ATA specifications, continuation for the civil aviation industry is possible in relation to chapters 2 to 5 of the S2000M and the related ATA norms (Air Transport Association).