



SAVOIR MASAIS status ADCSS 2016



TEC-ED/SW ESA-ESTEC Data System & Software Division





- The SAVOIR-MAS AIS Working Group has as main goal the definition of the functional, performance, operational and interface requirements of the Data Storage function and its management (SAVOIR Mass Memory specification).
- The first step aims at analysing the existing SRD/OIRDs to consolidate system/operability requirements. This has been done by gathering agencies and primes in a Working Group to issue SRD/OIRD issue 0
- The second step consists in the review the SRD/OIRD requirements and in the contribution to the definition of the functional, performance, operational and interface requirements of the on-Board Mass Memory function and its management (S/s or Unit Specification) in interaction with the File Management System Interface Standardization (FMSIS) TRP activity (TEC-SW). The Working Group has been extended to data storage solution providers (HW and SW).



SAVOIR-MASAIS Members



| | | | | | |
|------------|-----------|------------|---------------|------------------|-----------|
| Andrea | Accomazzo | ESA/ESOC | Jorgen | Iltad | ESA/ESTEC |
| Stefan | Bormann | OHB-System | Glenn | Johnson | SciSys |
| Arnaud | Bourdoux | Spacebel | Patrick | Leconte | TAS |
| Yoann | Charnet | Airbus-DS | Pasquale | Lombardi | Syderal |
| Michele | De Meo | TAS | Giorgio | Magistrati | ESA/ESTEC |
| Mark | Dean | ESA/ESTEC | Michael | McKay | ESA/ESOC |
| Olivier | Frandon | CS-SI | Christian | Pouliquen | CNES |
| Gianluca | Furano | ESA/ESTEC | Antoine | Provost Grellier | TAS |
| Fabian | Greif | DLR | Guido | Rosani | TAS |
| Ignacio | Herrera | Airbus-DS | Patrik | Sandin | RUAG |
| Tim | Hoffmann | Airbus-DS | Jean-Francois | Soucaille | Airbus-DS |
| Peter | Holsters | Qinetiq | Dietmar | Walter | DSI |
| Christophe | Honvault | ESA/ESTEC | | | |



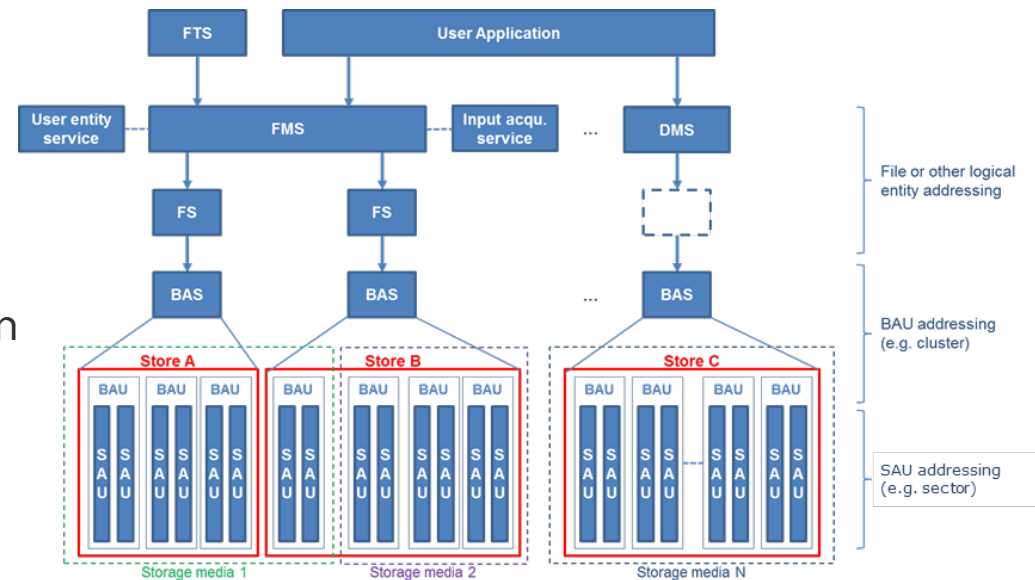
FMSIS TRP outputs

TN2: System Requirements (SRD/OIRD)



Topics

- Generic requirements
- Interface requirements
- Space-Ground File Transfer
- Organization
- Packet Management System
- Performances
- FDIR



Reviews

- SAVOIR-MAS AIS reviews held
 - 174 comments processed on first round
 - 27 comments on second round



FMSIS TRP outputs

TN4: SAVOIR Mass Memory specification

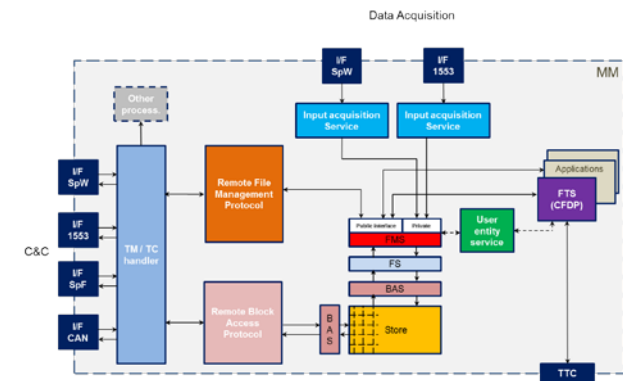


■ Topics

- Concepts
- Generic requirements
- Interface requirements
- Data Storage Organization (Store, File Store, Packet Store)
- File Management System Service (Definition, parameters, interface and concurrency management)
- Space-Ground File Transfer
- Performances
- FDIR

■ Reviews

- SAVOIR-MAS AIS reviews held
 - 145 comments processed on first round
 - 27 comments on second round



From FMSIS TRP to SAVOIR



- FMSIS technical notes have been reviewed by the Working Group.
- The final version of the TN2 will be translated into a SAVOIR document taking into account the latest comments and future availability of the SAVOIR OIRD. It will be transmitted to SAVOIR Advisory Group for final review. Availability foreseen in February 2017 (TBC).
- The final version of the TN4 will be translated into a SAVOIR document It will be transmitted to SAVOIR Advisory Group for review and later submitted for a public review in S1 2017.

