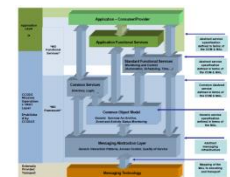
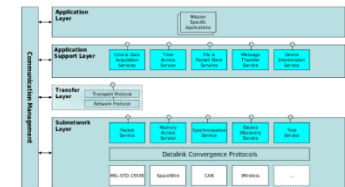
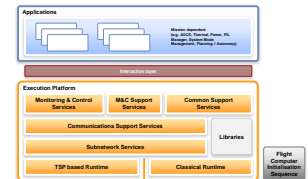


Introduction to MO services, SOIS and SAVOIR harmonisation [MOSS] study

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There are **three on-going standardisation activities** relating to flight software, ground software, operability and communications:

- **SAVOIR** avionics and software architecture
→ On-board Software Reference Architecture (OSRA).
- **CCSDS SOIS**
→ SOIS services are identified in the execution platform of the reference architecture.
- **CCSDS Mission Operation (MO) Services**
→ defining operation mechanisms of a global space system including ground mission control system and flight software.



These works (done from two standpoints: avionics and operations), are now **reaching each other** at the level of the software architecture.

Other standards to be considered: PUS-C, E-70-11, E-70-01

It is essential to verify that the various concepts are consistent, and if not, to advise on the best solution to achieve **architectural consistency**.

Objectives are from *technological point of view* only:

- Understand the **objectives and visions** of SAVOIR OSRA and CCSDS MO Services, conclude at the level of objectives on the consistency of the two approaches compare at level of objectives
- Understand **architectural concepts** SAVOIR OSRA and CCSDS MO Services, access compatibility at the level of architecture and propose harmonized architecture, access impact on existing standards
- Development of a **prototype** to check the previous two bullets: objectives and architecture (more not possible in this R&D...)

 **Today
the
MOSS
study
is here**

This means:

→ A first analysis, with results that are at the level of architecture