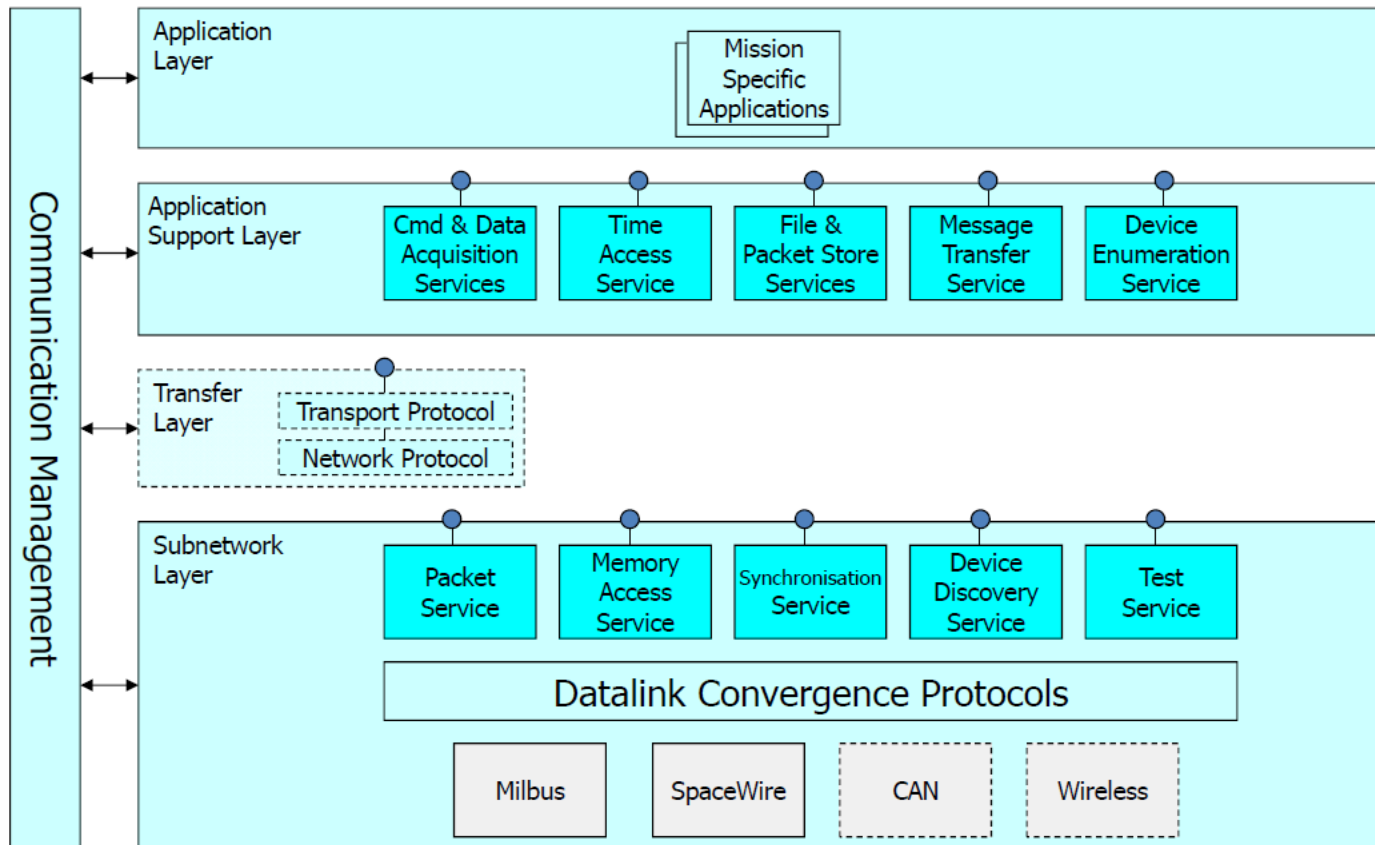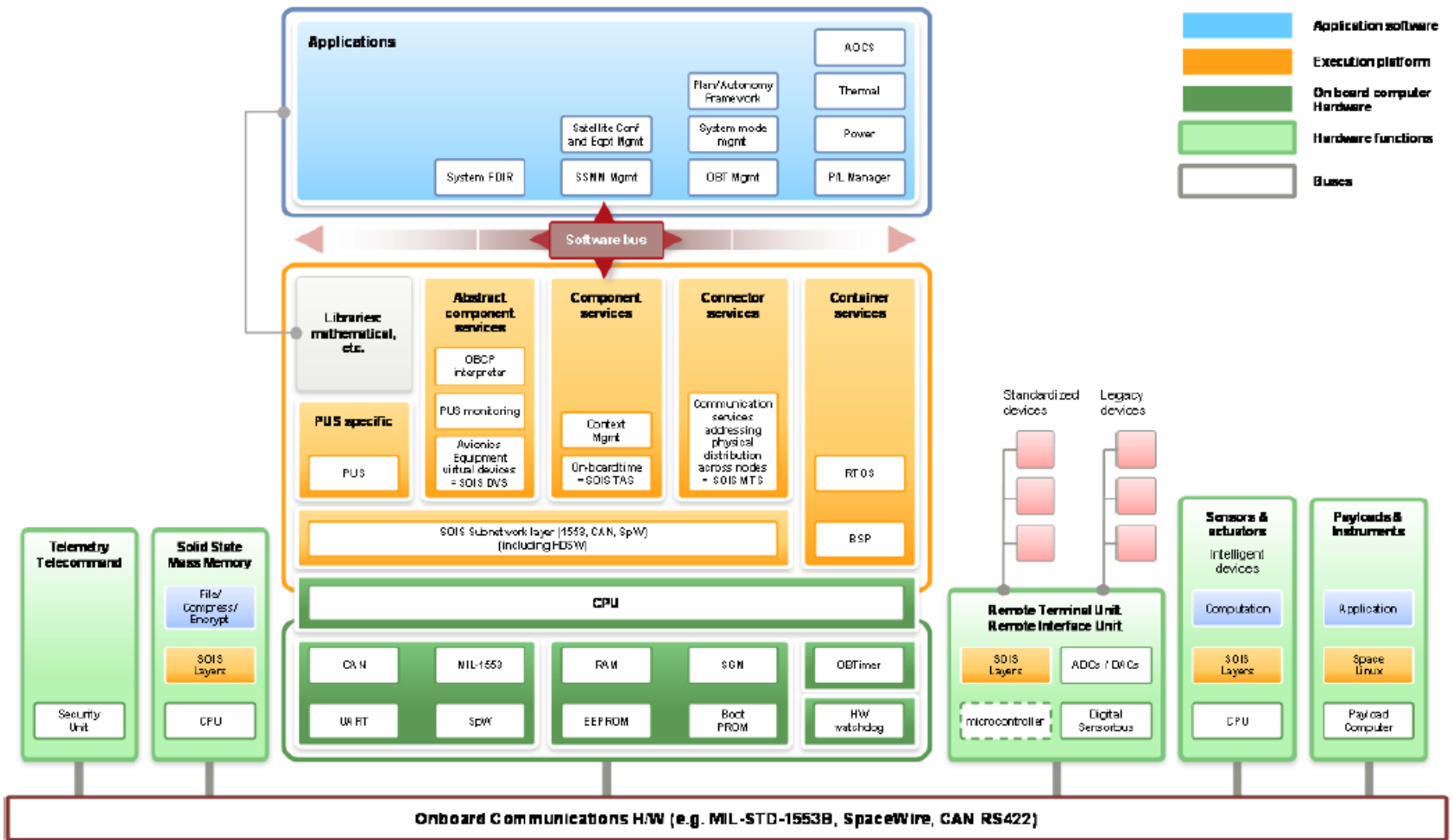# SOIS Evaluation by the Primes

9th ESA Workshop on Avionics, Data, Control and Software Systems (ADCSS)
20-22 October 2015

European Space Agency

Spacecraft Onboard Interface Services

SAVOIR Avionics Reference Architecture

SAVOIR Communication Architecture

- ❑ **Three parallel activities with the Primes**
  - ➢ Airbus DS (Toulouse, France)
  - ➢ OHB (Bremen, Germany)
  - ➢ Thales Alenia Space (Cannes, France)

- ❑ **Started in 2014**

- ❑ **Objectives**
  - ➢ Critically review SOIS standards
  - ➢ Select legacy flight software, identify, design and implement updates to make it compliant to selected SOIS and ECSS standards
  - ➢ Make performance and architecture assessment
  - ➢ Define roadmap of transition towards an operational FSW system fully compliant to the applicable SOIS and ECSS standards

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