

Plans for the next **SAVOIR** Software *Document* reviews

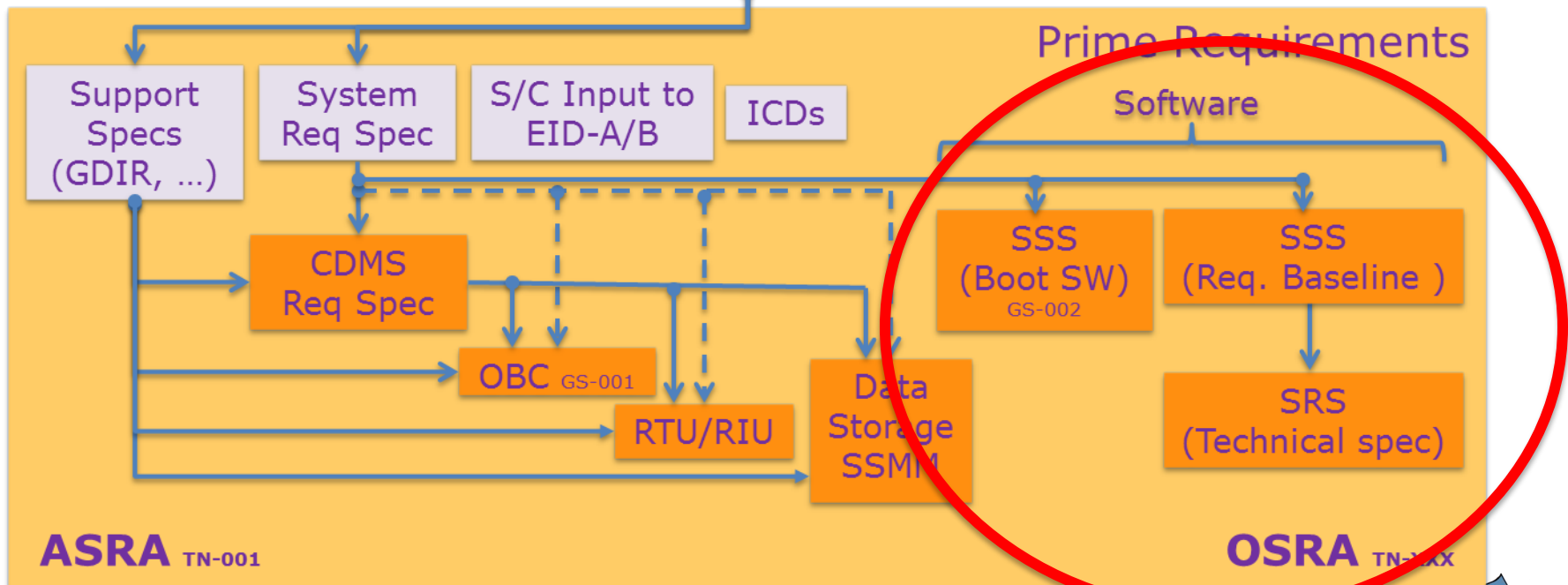
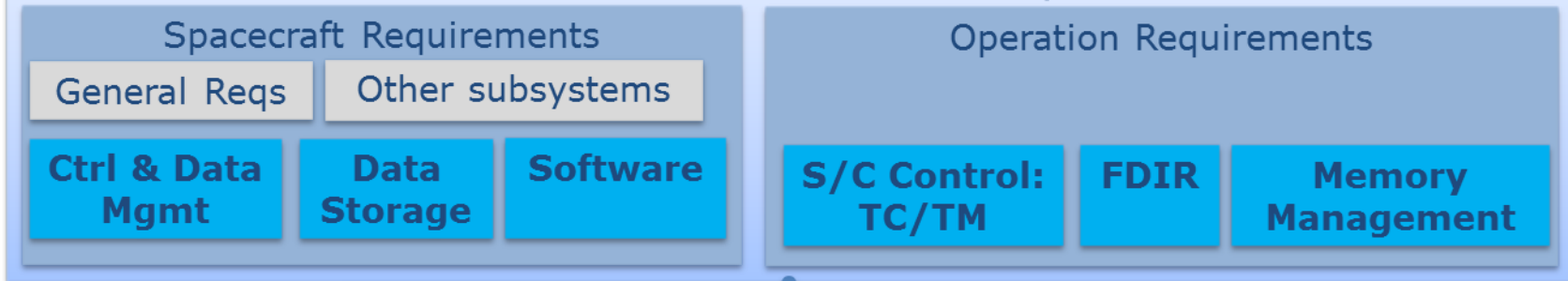
Andreas Jung (ESA)
ADCSS - 20 Oct 2015

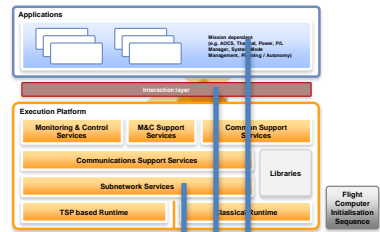


SAVOIR document structure and the software specifications

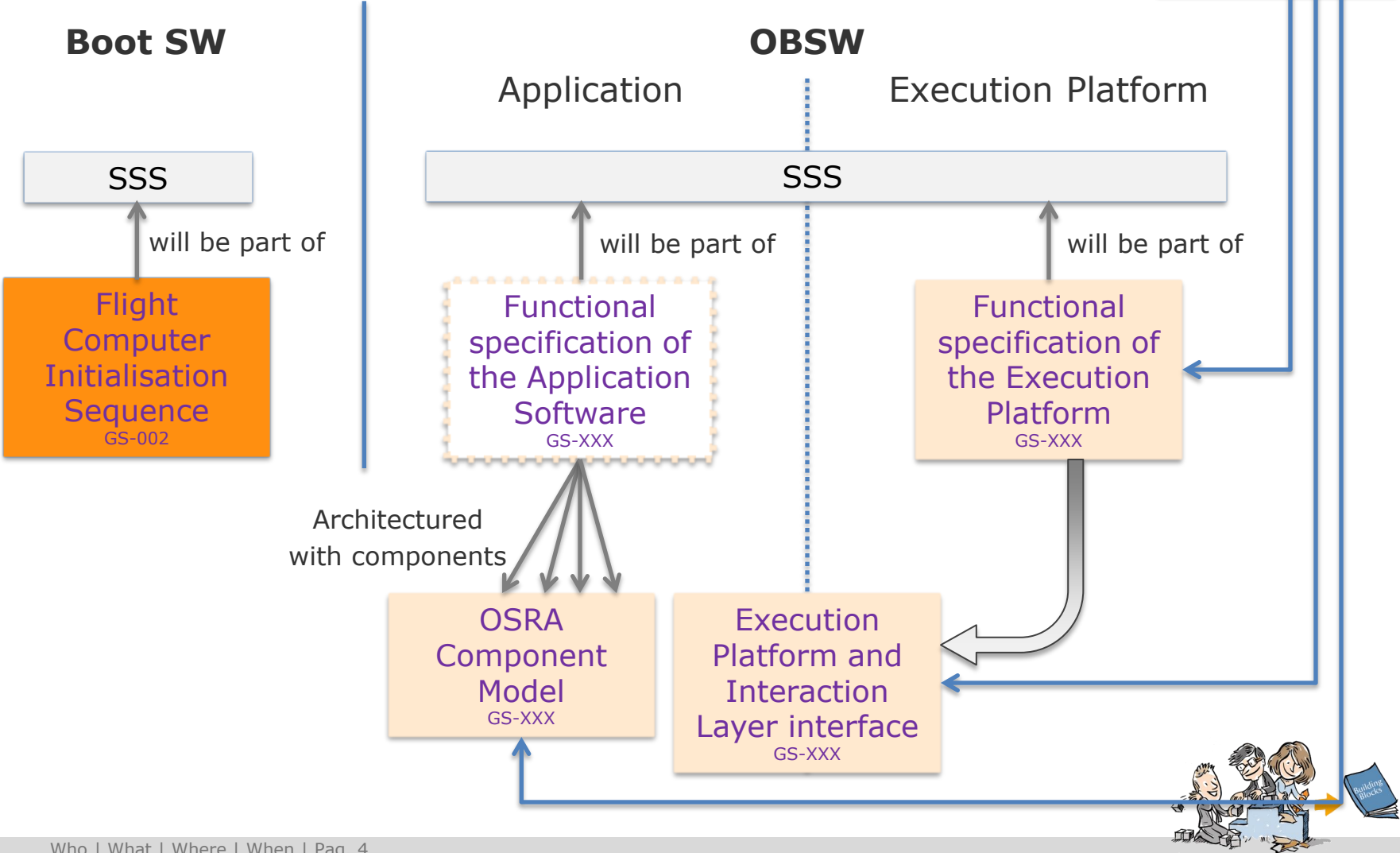


ESA Requirements: SRD/OIRD





Documentation structure for Software related SAVOIR documents



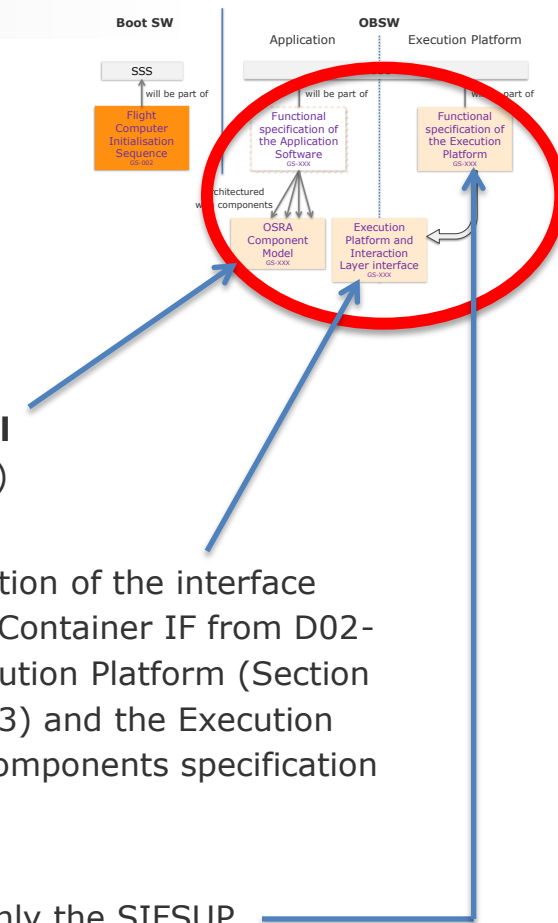
Documentation structure for Software related SAVOIR documents

Informative:

- 1. **OBSW reference architecture – TN-XXX** (description similar to the SAVOIR Avionics reference architecture). Mainly the contents of COrDeT-3: D02-OSRA-SPEC.

Normative:

- 2. Specification of the **Metamodel for the OSRA Component Model** (mainly D03 from COrDeT-3, adding some additional informative text)
- 3. **Execution Platform and Interaction Layer interface:** Specification of the interface between Components and Interaction Layer (Section 4.3 Component/Container IF from D02-OSRA-SPEC from COrDeT-3) and between Interaction Layer and Execution Platform (Section 5.2 Execution platform interface from D02-OSRA-SPEC from COrDeT-3) and the Execution Platform pseudo-components interfaces (Subsections of 3.3 Pseudo components specification from D02-SPEC from COrDeT-3).
- 4. **Functional specification of the Execution Platform** (using mainly the SIFSUP document as input).



NB: The documents from COrDeT-3 and SIFSUP have already been reviewed by SAVOIR-FAIRE.



Support activity for generation of SAVOIR OSRA documents

An activity with Bright Ascension (UK) will be started soon with the main objective to

- Produce the before mentioned SAVOIR OSRA documents from COrDeT-3 and SIFSUP outputs, following a similar structure as for the SAVOIR Avionics documents
- Derive SRD level requirements for the OSRA, OSRA component model and Execution platform
- Maintain a relationship with SOIS for e.g. for SOIS Electronic Data Sheets and provide feedback from OSRA to the CCSDS SOIS working groups



OBSW Reference Architecture Training Material available

The Training Material from the OBSW Reference Architecture has been published as:

SAVOIR-HB-001 i1 r0 - SAVOIR On-board Software Reference Architecture Training Material

and is available on the ***European Space Software Repository (ESSR)*** – see **SAVOIR project**.

NB: This Training material has been updated wrt the first version issued 2 years ago to include the latest results of COrDeT-3, on which the OSRA is based.



Contact

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