

# On-board Software Reference Architecture (OSRA) - Introduction

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Long history of activities have led to the definition of the **On-board Software Reference Architecture (OSRA)**:

- i. ASSERT
- ii. COrDeT-A/B, DOMENG
- iii. SAVOIR working group: Inspired by COrDeT, SAVOIR-Faire provided an initial baseline (needs/requirements and initial concepts)
- iv. COrDeT-2 started from SAVOIR-Faire baseline; a lot R&D work done, but still a lot of known open points
- v. In parallel: IMA-SP, SAVOIR-IMA started; need for harmonization with COrDeT was first touched by SISTORA
- vi. COrDeT-3: i) solve open points, ii) fully integrate COrDeT with IMA and iii) produce a spec for SAVOIR OSRA

A conscious decision was taken in COrDeT-3 to ensure a mature specification at the end of the study.

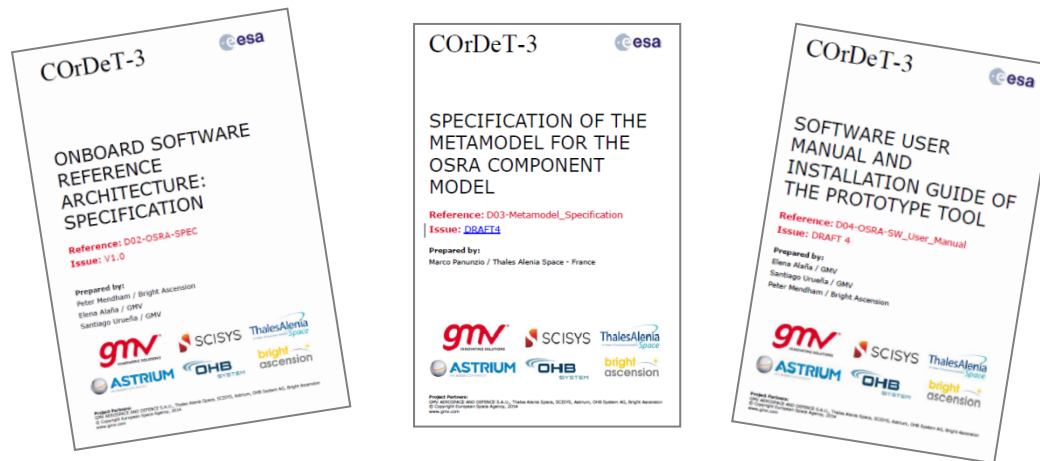
- **OSRA v1:**  
defined **now**, with all capabilities expected for a OBSW today
- **OSRA v2:**  
advanced features which have been discussed in COrDeT-3 and other R&D activities, which will enable more powerful use of OSRA, but are not yet mature enough and need more R&D work (e.g. scenario based schedulability analysis). **Future work.**

# What is the maturity of the OSRA documents?



The documents produced in COrDeT-3 have reached a mature level to be **reviewed by** a wider audience, namely by **SAVOIR-FAIRE** and **SAVOIR-IMA**.

**Final documents** are planned to be available **December 2014**, incorporating comments from SAVOIR review.



The training material developed for COrDeT-2 has been well received.

- However, updates are needed to include results from COrDeT-3, available in December 2014.

Presentation of **OSRA** at a dedicated **training day**:

Monday, **8. Dec 2014** [one day before Finale presentation days]

