Focus on the Execution Platform - Introduction

Andreas Jung
ESTEC
27/10/2014

Objectives of Savoir-IMA and Savoir-Faire Support activity (SIFSUP)

The objective of SIFSUP is to **focus** on the interfaces of the **Execution Platform** of the OSRA, fully integrating the TSP approach, and providing a harmonized specification.

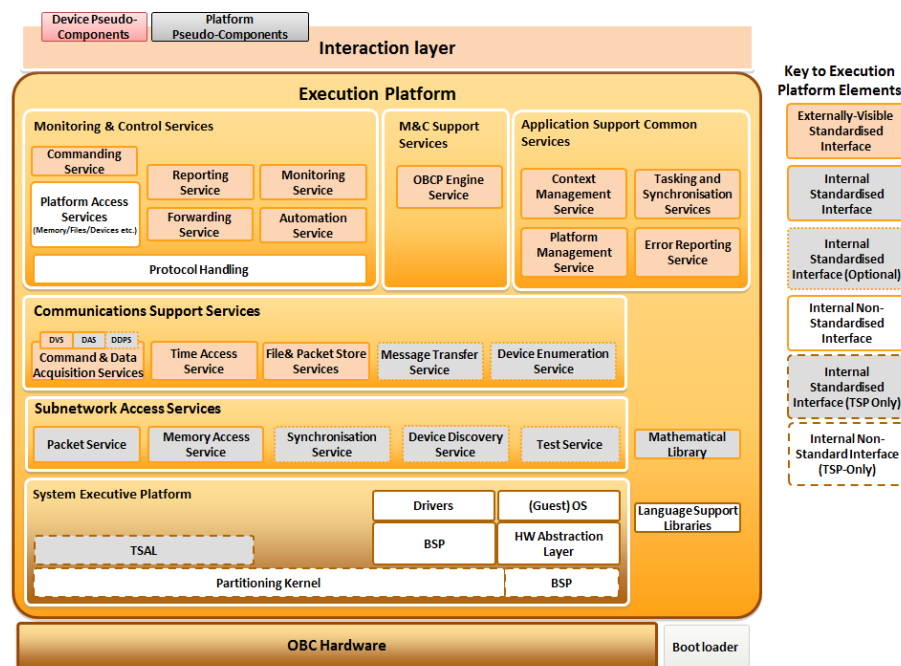The study is at the crossroad between the SAVOIR-FAIRE and SAVOIR-IMA working groups.

The challenge of the study originates from:

1) the **large number** of related past and on-going **activities** (COrDeT's, SISTORA, IMA-SP, PUS and SOIS standards…)

2) the difference in paradigm between **IMA-SP** (Time and space partitioning) and the On-board Software Reference Architecture (**OSRA**) (a component-based architecture on top of a centralized Execution Platform).

3) the **relationship** between the **technical aspects** (the actual architecture) and the **industrial processes** (taking into account the various actors/roles).

European Space Agency

Inputs also from study on Evaluation of SOIS by primes

Valuable input from the **SOIS Evaluation by the Primes** activity was fed into SIFSUP (see presentation at the end of this session).

Putting all together, we arrive at:

European Space Agency

Documents for review?

The architecture that will be presented during this session will be documented in a dedicated report that will be provided to SAVOIR-IMA and SAVOIR-Faire for review.

Objective is to provide this report by December 2014 to the SAVOIR Working groups.