ADCSS 2010

Avionics Data Control & Software Systems

Ph. Armbruster
ESTEC Data Systems Division
02/11/2010

ADCSS 2010 : Approach

*From **Reference Architectures** to **Building Blocks***

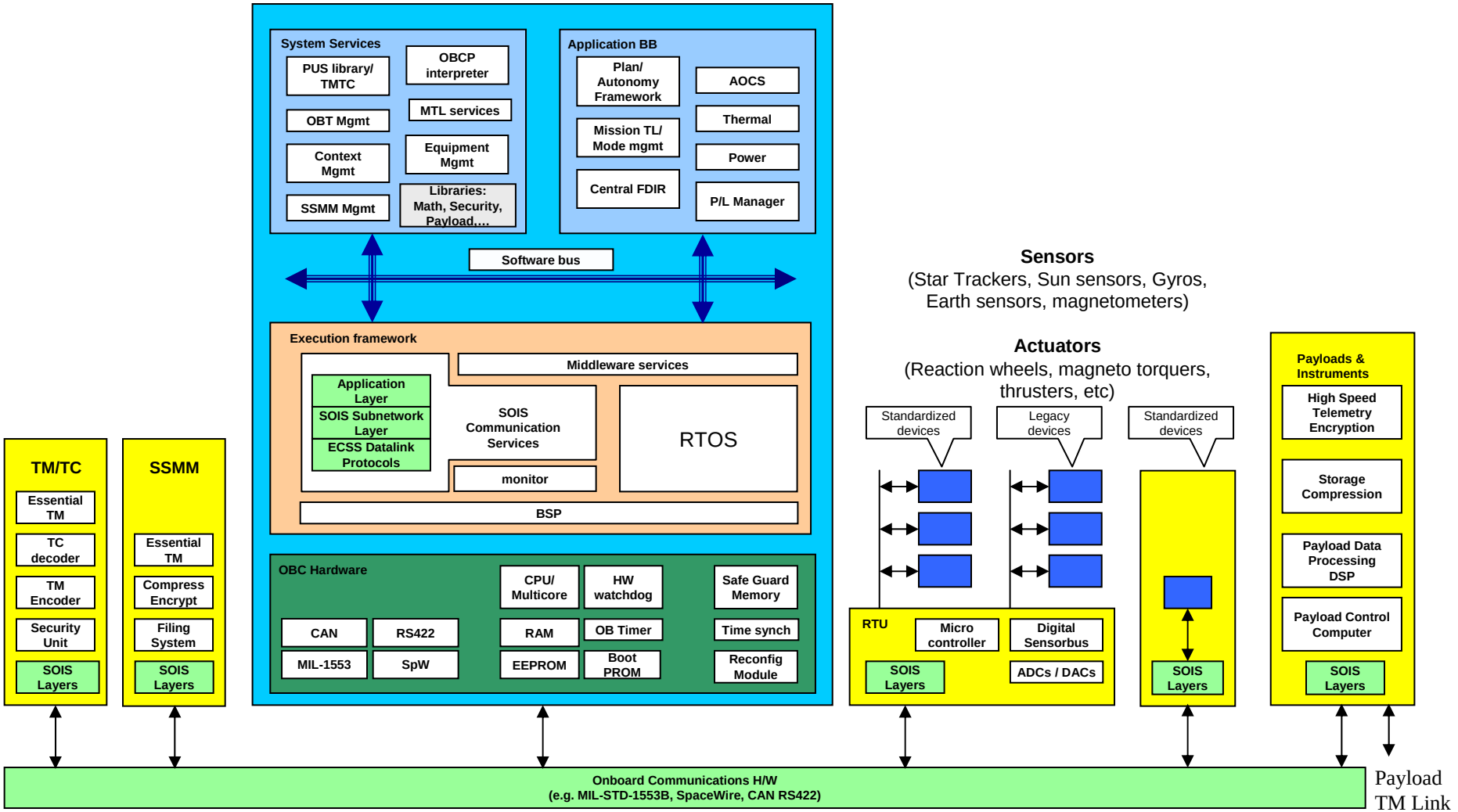
*From **Building Blocks** to actual **Avionics Systems***

ADCSS 2010 : Scope

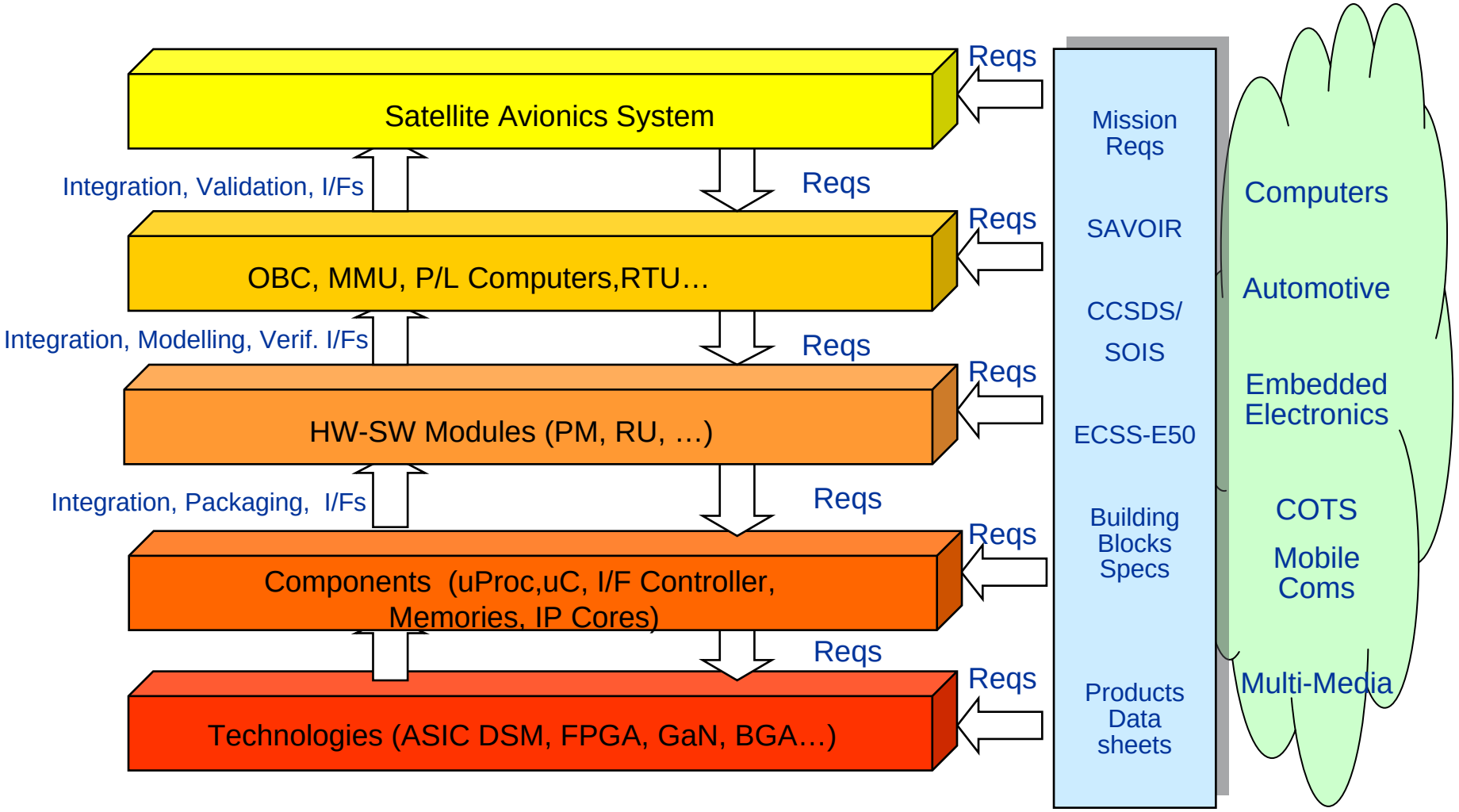
A set of *Round Tables* on:

- Space Avionics Open Interface Reference Architectures
- Verification and Validation
- Application oriented perspective: Avionics/GNC Architectures and Sensors Suite for Exploration
- Building Blocks
  - On-Board Computers and Remote Terminal Units
  - Microcontrollers for Embedded Space Applications

Conceptual Reference Architecture and Building Blocks



Building Blocks: Technology Stack



ADCSS 2010 Programme

ESA Workshop on Avionics Data, Control and Software Systems : **A set of round tables :**

- Day 1: 02/11
  - AM SAVOIR: Avionics Architectures : SAVOIR and beyond
  - PM NAVVA: New Approaches for Verification and Validation of Avionics
    - *18:00 Workshop Cocktail*
- Day 2: 03/11
  - AM GeSOR: Generic Specifications for OBCs and RTUs
  - PM AGASSE: Avionics/GNC Architectures and Sensors Suite for Exploration
- Day 3: 04/11
  - (all day) MESA: Microcontrollers for embedded Space Applications

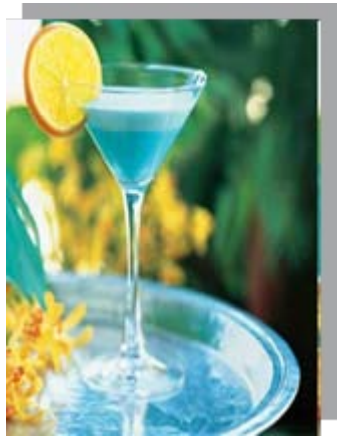
ADCSS 2010

- Proceedings will be published on the Conference Web Site and will be openly available

- Round Tables will lead to a synthesis document (that might not be published on the web Site but available on request to participants)

Presentations, discussions, comments, suggestions or controversial arguments are integral part of ADCSS

ADCSS Cocktail : Let's dream



ADCSS Drink : Actual

2nd of November 18:00

I wish to all of us a fruitful series of round tables