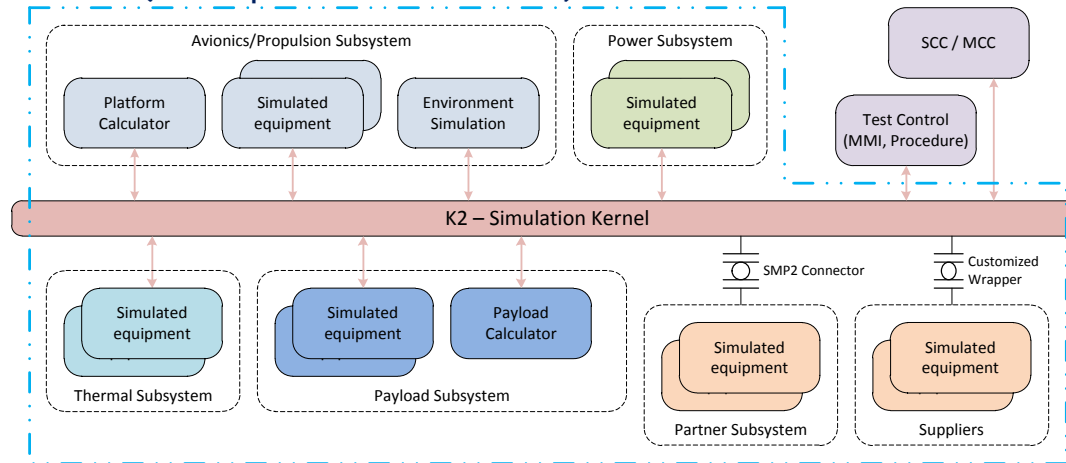# TAS

RATIO-SIM Position

Thales Alenia Space - Current Status

Simulation Platform K2 concerns

- Architecture centralized
- Models sharing (e.g. SMP2) ensured by bridges
- Simulation kernel and services merged

Simulation Platform K2 has to answer new needs

- Better Performances request by customers
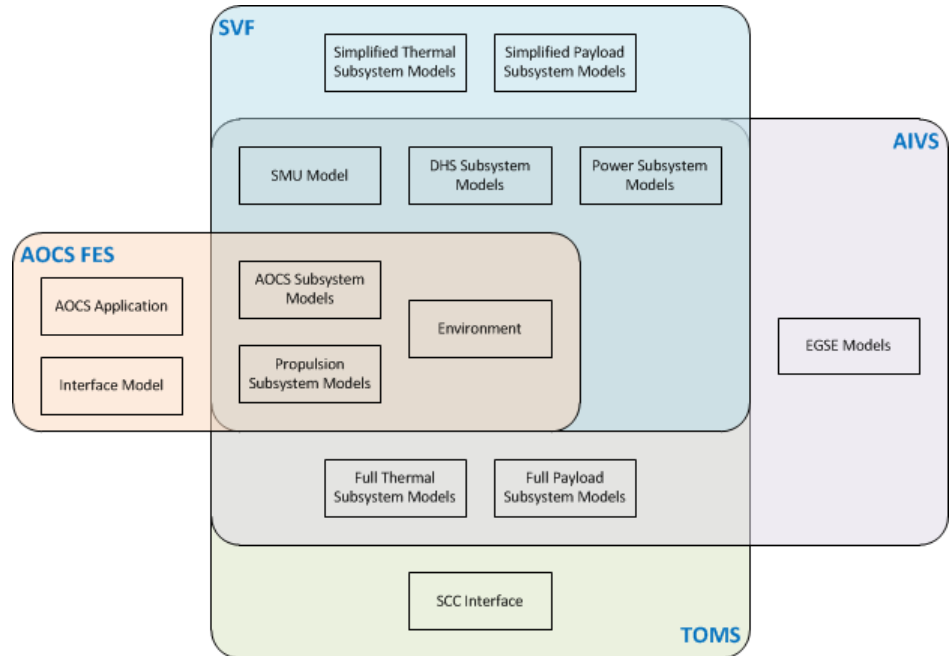- Parallelization (multiple emulators, ...)

TAS - Models Process Policy

Models development

- Organization centralized development
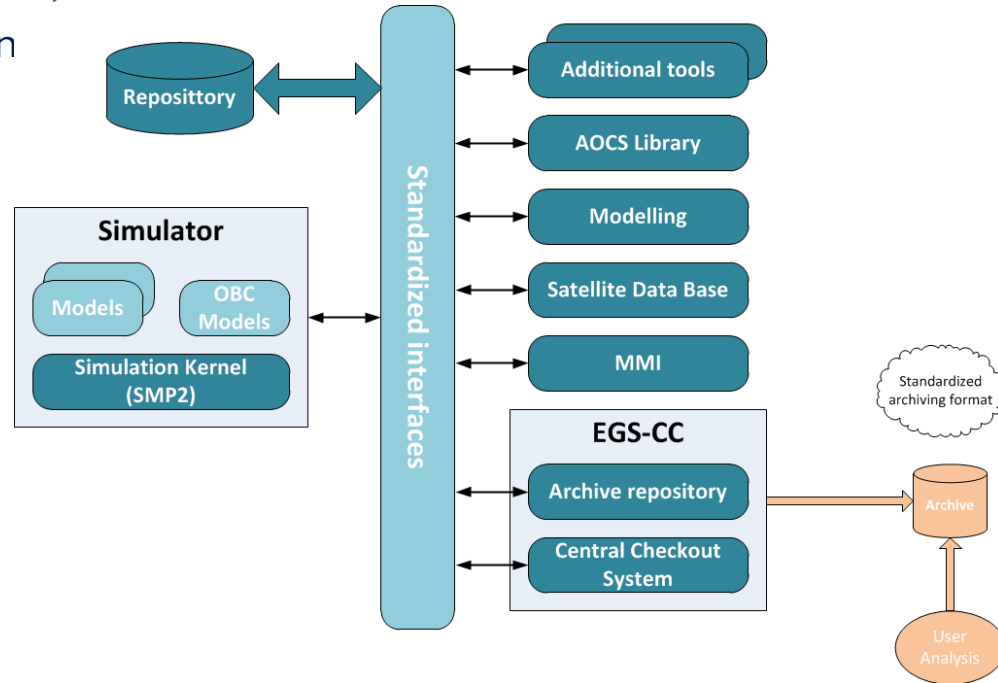- Done one time

Models assembly

- Continuous maturity increased
  - Reuse
- Done successively
  - AOCS FES > SVF > AIVS > TOMS

TAS – RATIOSIM Opportunities

Prepare next simulators generation

- Based on new architecture
  - Driven by Tools sharing (Building Block)
- Converged to Native SMP2 Solution
  - Driven by Models sharing

TAS – Common interest and Approach

TAS ready to engage the study

Short term Way forward to clarify

- Technical Perimeter of RATIOSIM activities
  - Which reference architecture is chosen ?
  - Which kind of Building Blocks could be identified ?
  - Set high level requirements
- Clarify organization and budget toward the end of development

TAS needs for industrial solution 2020