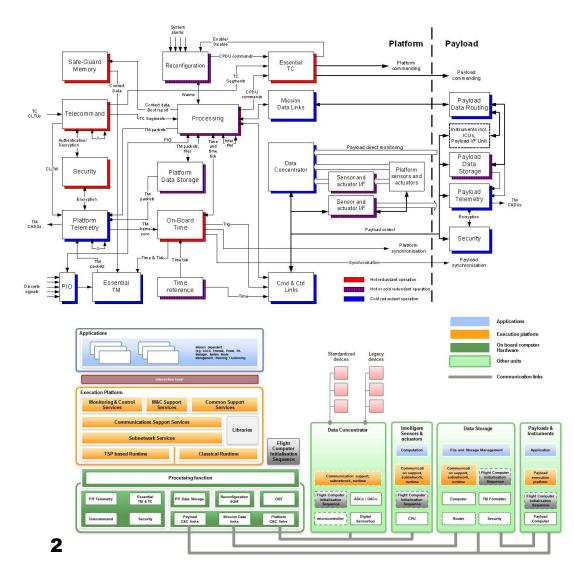


SAVOIR from Beyond Gravity Perspective



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Overall architecture and high-level building blocks

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- SAVOIR Functional Reference Architecture [ASRA]
- SAVOIR Flight Computer Initialisation Sequence Generic

Specification

- SAVOIR generic RTU specification
- Data Storage
- File Management System
- SAVOIR Data Handling Handbook



- The overall architecture has been successfully used in several programs
 - Experiences have been fed back and the architecture has been revised and updated

Data storage has potential but has also a bit of "software flavor"





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	,
n Support vices	
Libraries	
untime	Fligh Compu Initialisa
	vices

- SAVOIR On-board Software Reference Architecture [OSRA]
- SAVOIR Model based Avionics roadmap
- Execution Platform Functional Specification
- Software Space Component Model Specification
- Execution platform pseudo component interface specification
- Component Container Interface
- SAVOIR On Board Software Reference Architecture Training Material
- SAVOIR-FAIRE On-board software reference architecture
- SAVOIR-IMA Integrated Modular Avionics and Time and Space Partitioning

Others have succeeded both institutional and commercial solutions are available



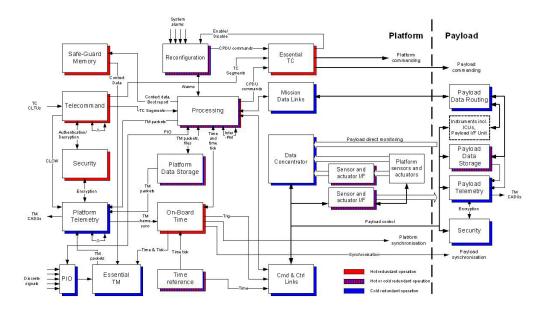


Stuck in legacy and proprietary reference architectures

Too abstract and too complex and no one really understands it



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Standardized Interfaces

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SAVOIR Functional Reference Architecture [ASRA]

- SAVOIR UART protocol and interface specification
- SAVOIR-SAFI Standardisation of AOCS Sensors and Actuators Functional Interface
- SAVOIR-SAIF AOCS Sensor and Actuator Interfaces
 Working Group (SAVOIR SAIF) report

The overall Standardized Agreeing on interfaces are hard! Use commercial SAVOIR EDS architecture has interfaces – if focused on standards been successfully hardware and Commercially it is largely used what and not whenever used in several software – is key for possible! how (no tools!) successfully future success programs





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• SAVOIR AUTOCODE Handbook

This is a technology and process issue rather than an architectural interface issue







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Focus on architecture and standardizing interfaces