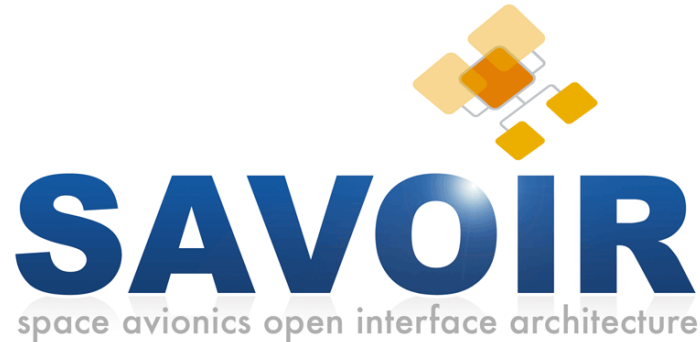
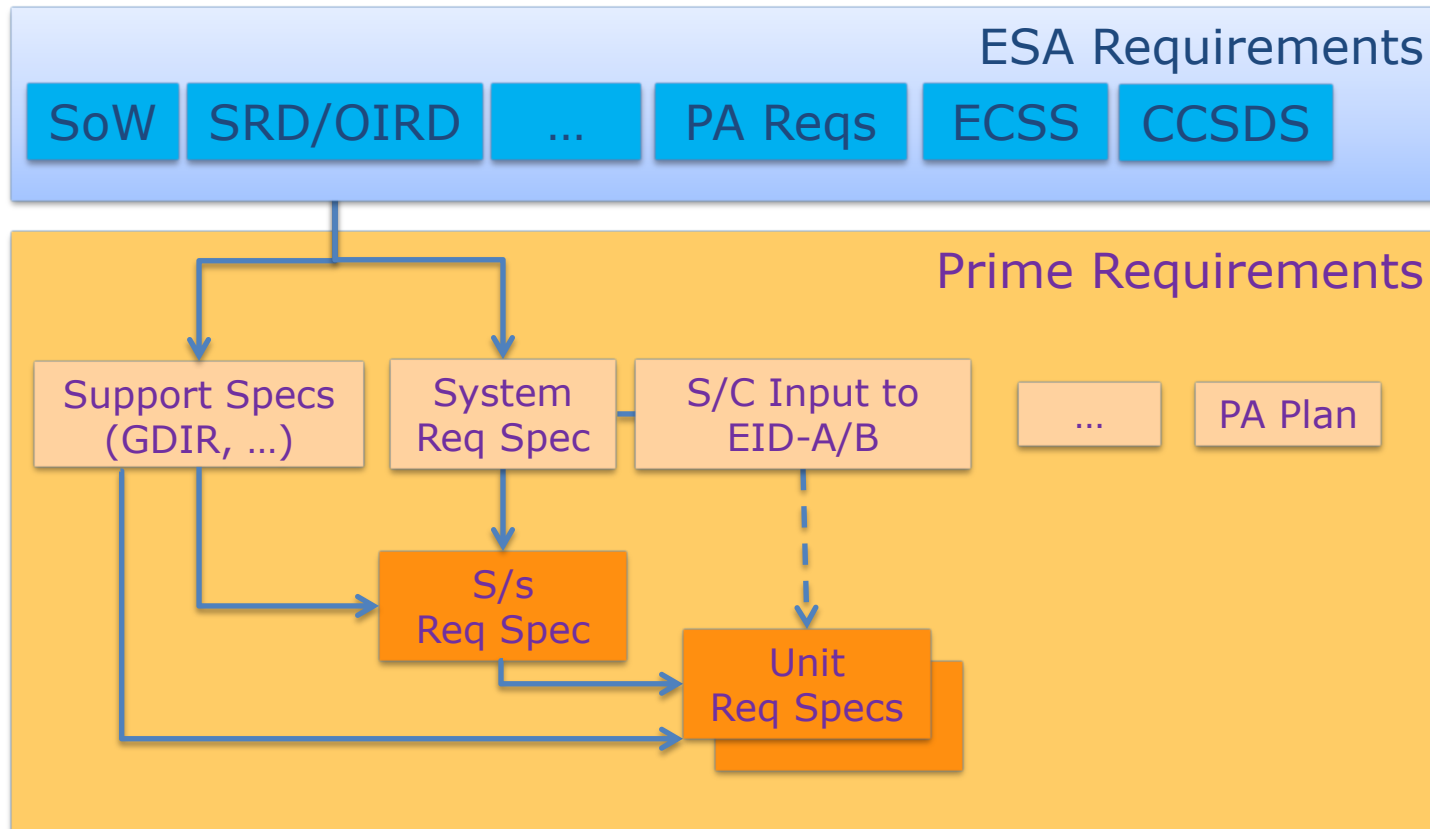




Project specifications tree & SAVOIR Documentation tree



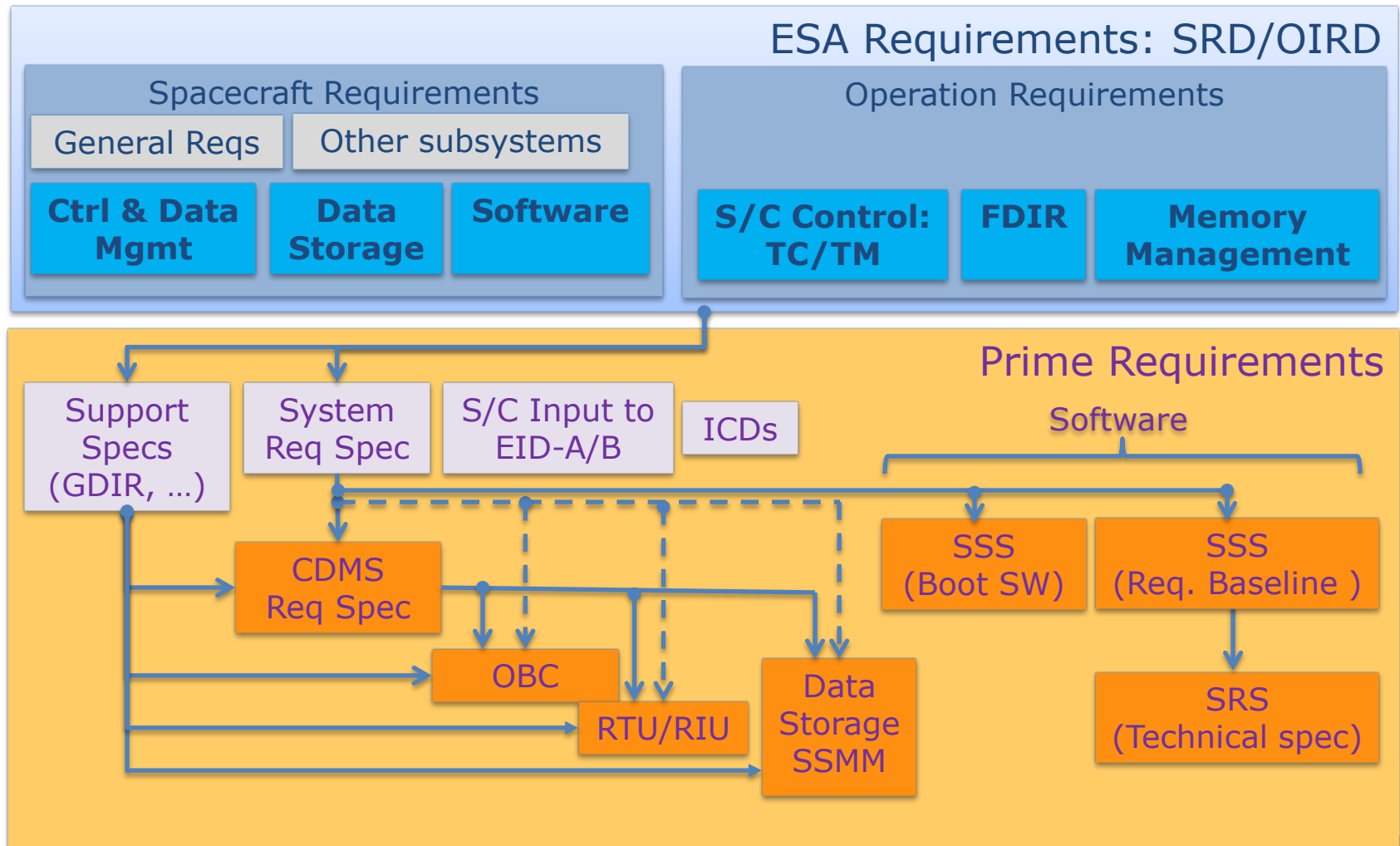
Specification tree for a generic project



Legenda – SoW =Statement of Work, SRD= System Req doc, SG-ICD= Space to Ground ICD, OIRD= Operation Interface Requirements Document, GDIR = Generic Design & Interfaces Document, EID= Experiment Interface Document



Specification tree : Control & Data Mngt & SW



Specification tree : Control & Data Mngt & Savoir



SAVOIR Initiative, EO Initiative for a generic SRD,...

Generic SRD/OIRD

(Input to) **General Requirements** (to be done)

CDMS reqs (to be done, section 9 of SAVOIR OBC spec issue 6, Appendix A)

Data Storage System (DSS) reqs (issue 1 Savoir Masais WG v0)

...

Technical Notes

SAVOIR
Functional
Reference
Architecture
TN
(TN-001)

SAVOIR
Ground to
Space I/F,
general
recommend
ations

SAVOIR
P/F-P/L
interfacing,
general
recommend
ations

Generic Specs

SAVOIR
Generic
OBC Spec
(GS-001)

SAVOIR
Generic
RTU Spec
(under
SAG
review)

SAVOIR-MASAIS
WG v1 + TRP
Data Storage
(SSMM) Spec
(draft)

SRD/OIRD

Spacecraft Req

...

**Ctrl & Data
Mgmt**

**Data
Storage**

Operation Req

...

**S/C Control:
TC/TM**

**Mem
Mngt**

Prime Requirements

Support
Specs
(GDIR, ...)

System
Req Spec

CDMS
Req Spec

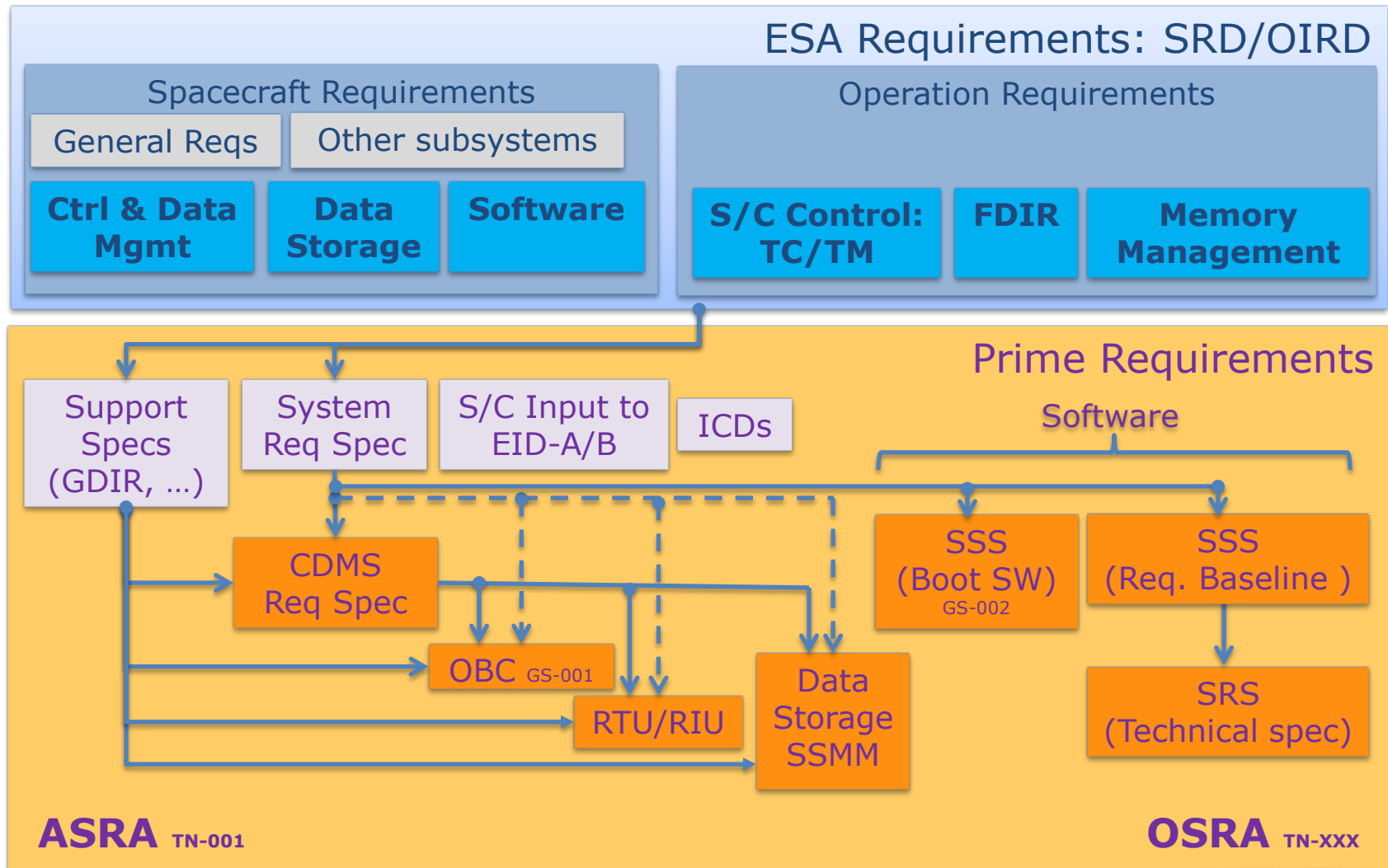
OBC

RTU/RIU

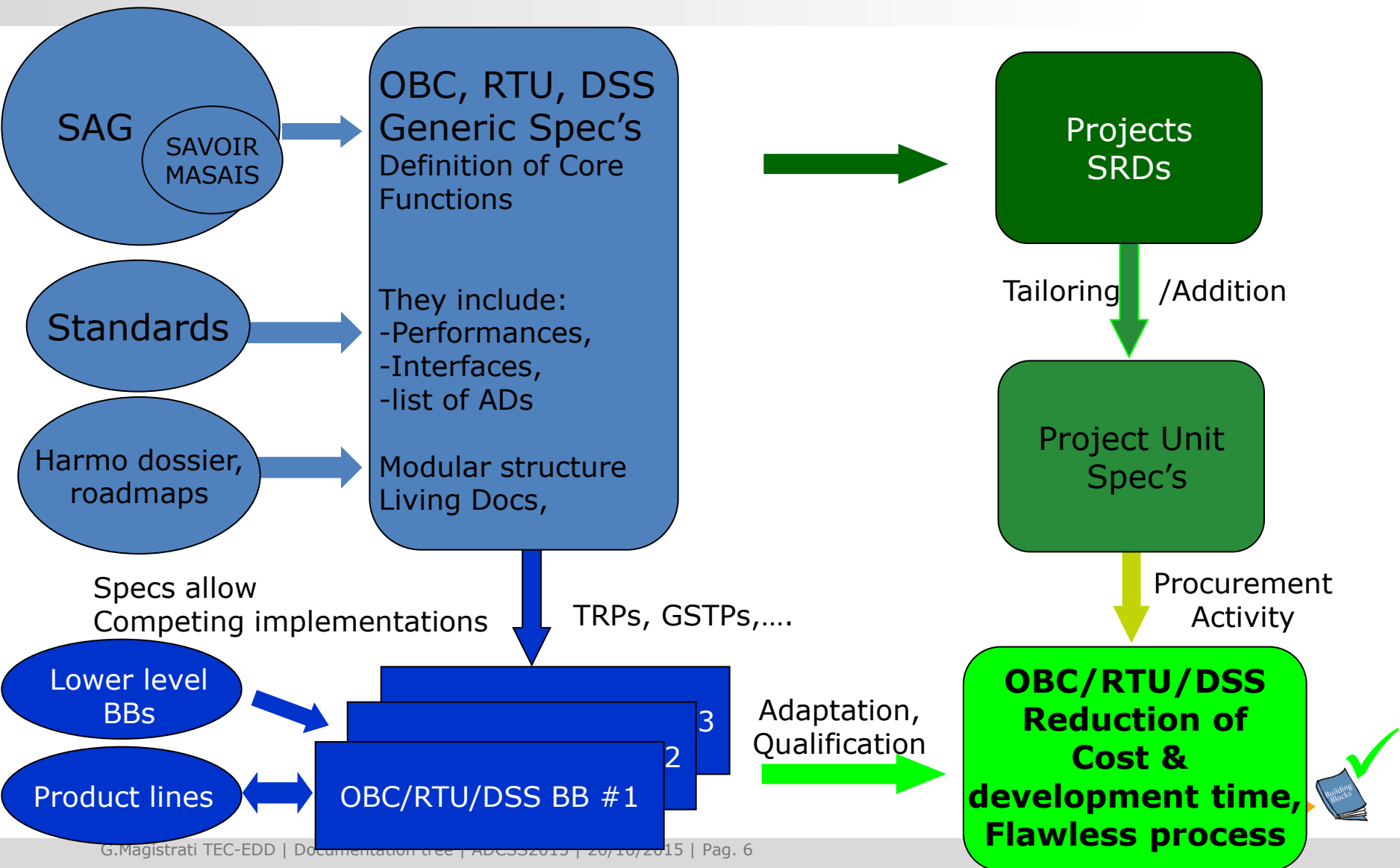
Data
Storage
SSMM



Specification tree : Control & Data Mngt & SW



Specification tree : Control & Data Mngt & Savoir



SAVOIR Documentation tree: SAVOIR-TN-000



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DOCUMENT

SAVOIR Documentation Tree



Technical Notes: context			
[ASRA]	SAVOIR Functional Reference Architecture	SAVOIR-TN-001	Soon Available
[OSRA]	SAVOIR On-Board Software Reference Architecture	SAVOIR-TN-xxx	(under conversion from a R&D document into a Savoir document)
[PLIF]	SAVOIR general recommendations for Platform Payload interface	TEC-SW/12-538/JLT	(not yet available)
[SCMON]	SAVOIR General Recommendations for Spacecraft Monitoring and Control,	TEC-SW/12-539/JLT	(not yet available)
Generic Specification: product spec			
[OBC]	SAVOIR generic OBC Specification	SAVOIR-GS-001	Soon Available
[BootSW]	SAVOIR Flight Computer Initialisation Sequence Generic Specification	SAVOIR-GS-002	Soon Available
[RTUop]	SAVOIR generic RTU functional and operability specification	TEC-EDD/2013.11/GM	Under SAG review
	Data Storage SSMM Requirements Spec	-	Draft produced by TRP – under review From Savoir-Masais WG v1
	Space Component Model	-	See next presentation
	Component Container Interface	-	See next presentation
	Execution Platform Functional spec	-	See next presentation

Prepared by SAVOIR
Reference SAVOIR-TN-000
Issue 1
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Distribution ☐

European Space Agency
Agence spatiale européenne



SAVOIR Documentation tree: SAVOIR-TN-000



Handbook: how to			
	SAVOIR On Board Software Reference Architecture Training Material	SAVOIR-HB-001	Available
	SAVOIR Avionics System reference Architecture Handbook	SAVOIR-HB-xxx	(not yet available)
Technical Reports: working group results			
	SAVOIR-SAFI - Standardisation of AOCS Sensors and Actuators Functional Interface	TEC-SWE/11-481/AJ	Available
[AOCS]	SAVOIR SAIF - AOCS Sensor and Actuator Interfaces Working Group report	SAVOIR/12-005/PA	Available
[SAFRA]	SAVOIR-FAIRE - Onboard Software Reference Architecture	TEC-SWE/09-289/AJ Issue 1 Rev 0 2010-06-10	Available
	SAVOIR-IMA -	-	(not yet available)
	SAVOIR-MAS AIS -	-	(not yet available)

Note: the list is intended to be up to date on <http://savoir.estec.esa.int> .

Available documents are intended to be released on the Esa Space Software Repository <http://essr.esa.int>

