

OpenETCS WP3 – Progress Status Meeting

Braunschweig

09/10/2013

TRANSPORT |

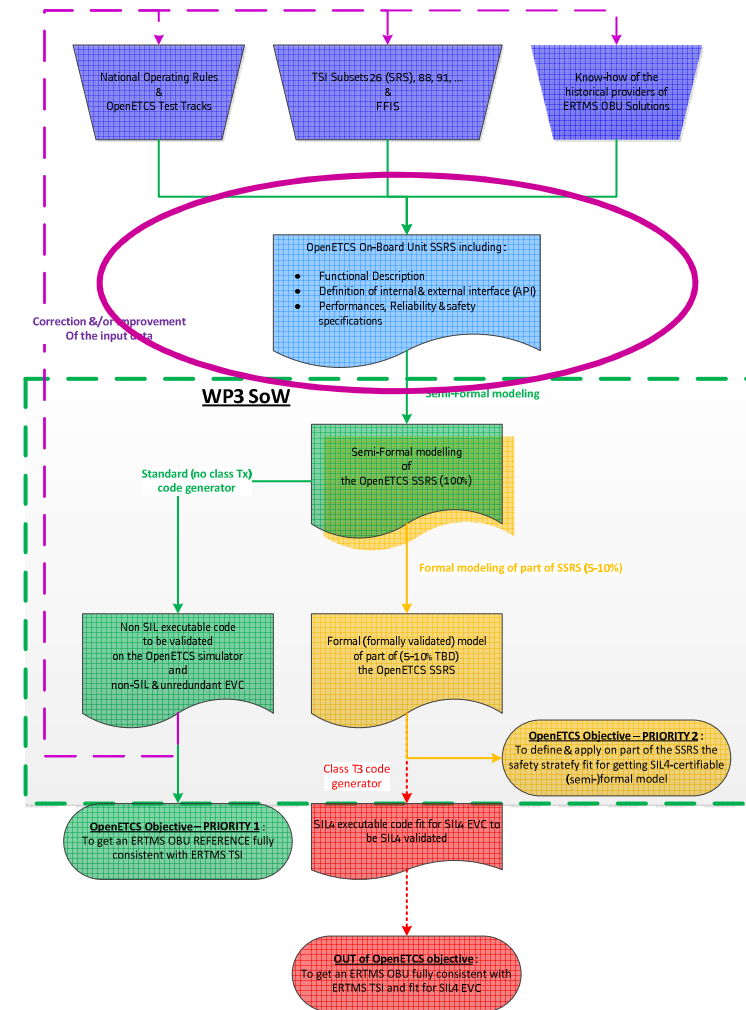
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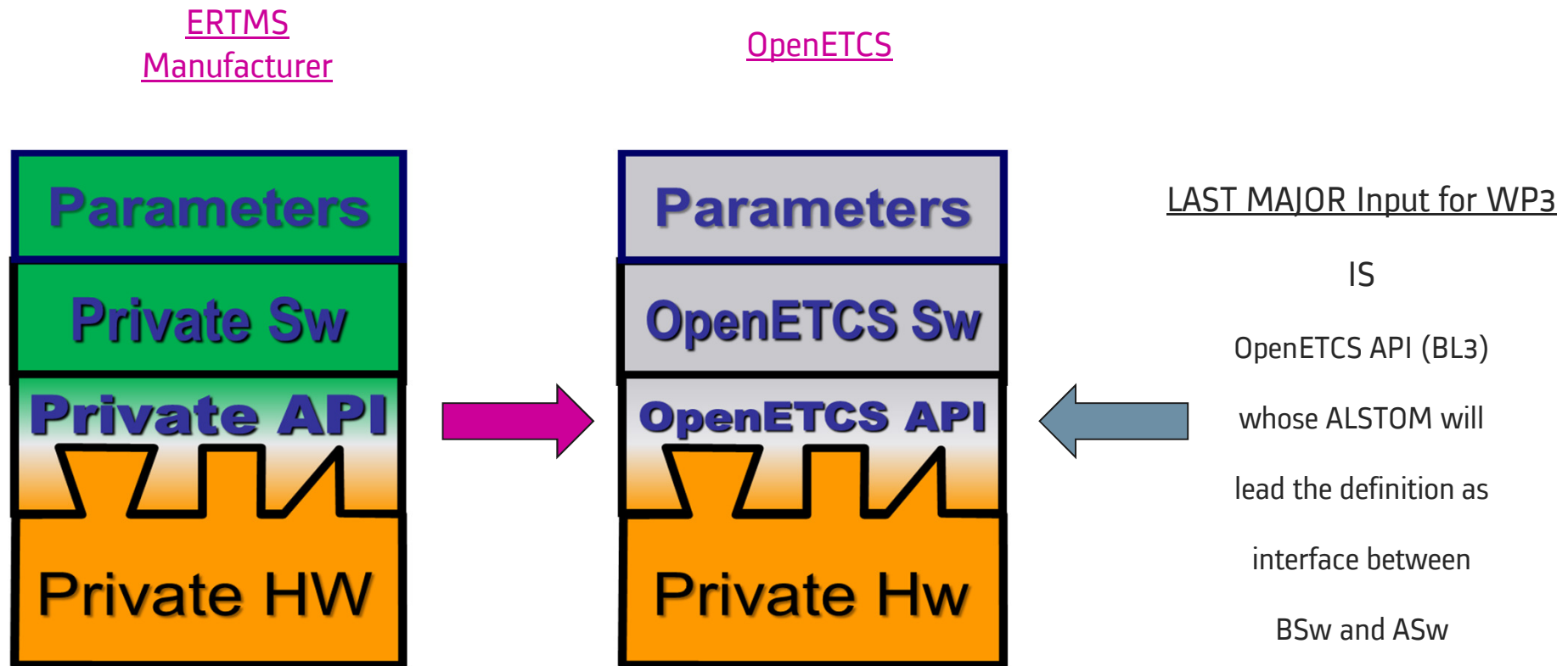
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OpenETCS – ITEA2 Report : July 2013

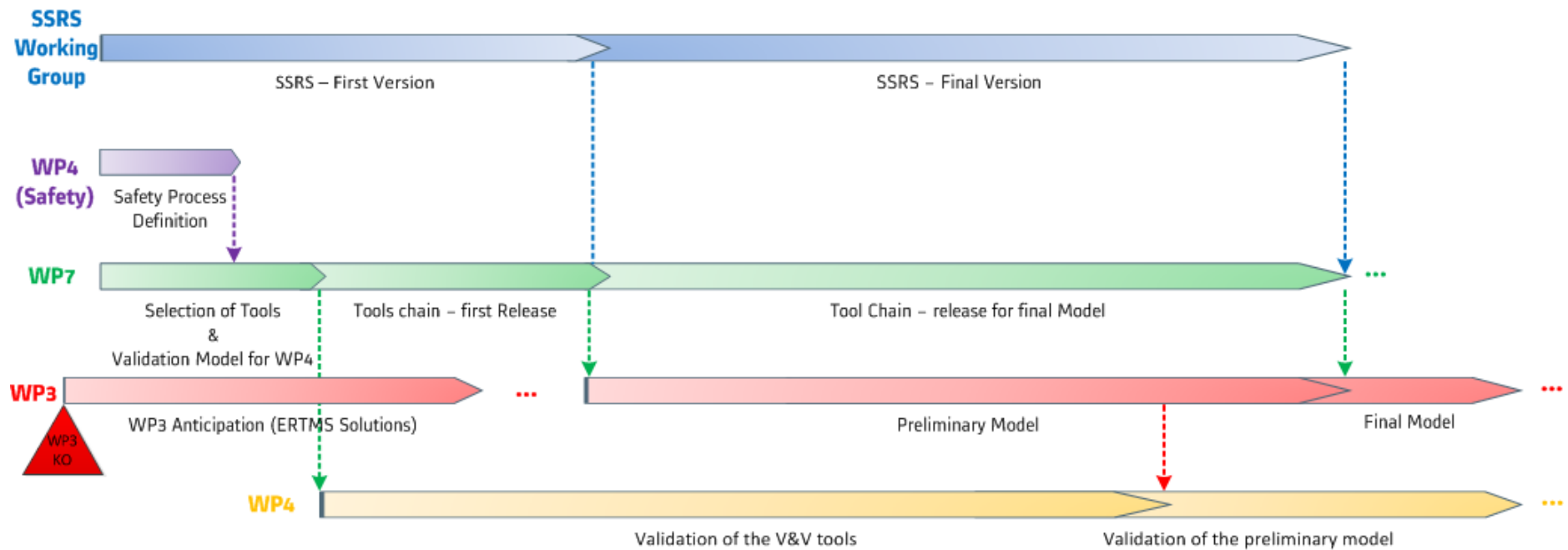
- Major Inputs for WP3 are :
- SSRS document as definition of the reference functional OB sub-system to be modeled
- Tools chain to be able to modelize (WP3), validate (WP4) and test (WP5) the reference functional OB model



OpenETCS – ITEA2 Report : July 2013



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4. WP3 Task Force - Proposal

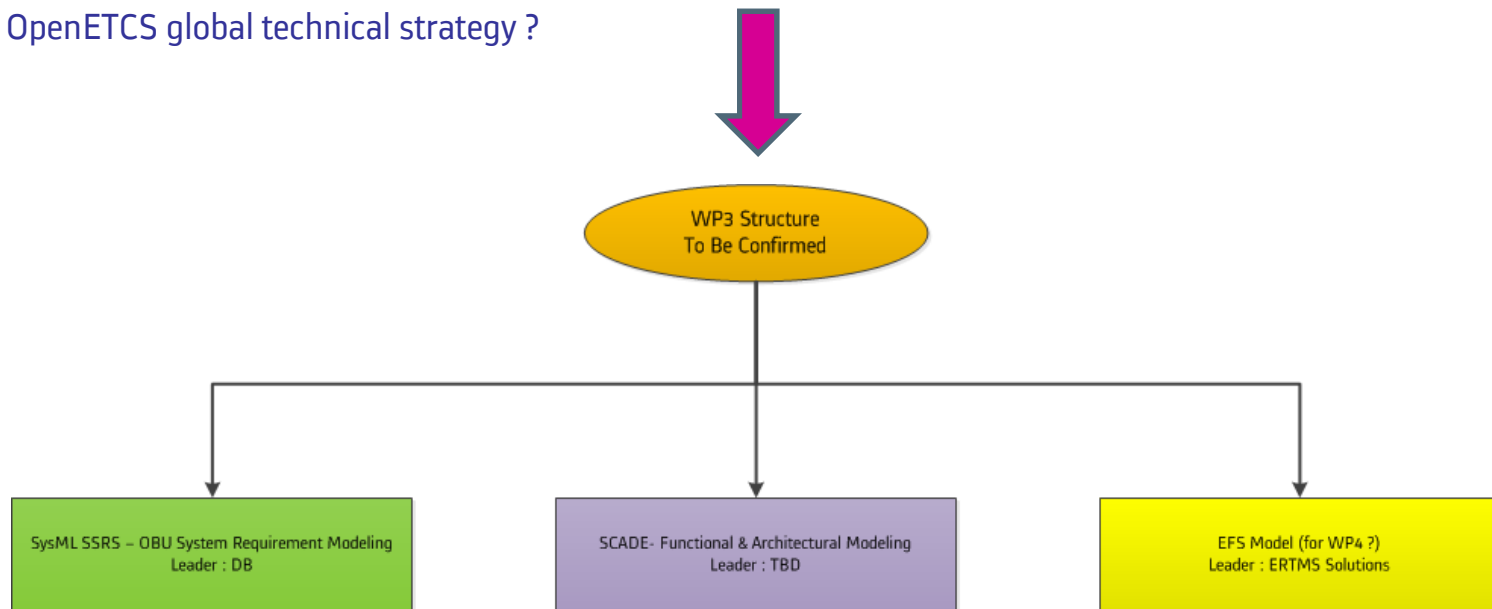
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D7.1 Conclusions & WP3 Structure

- SCADÉ & Papyrus = Foundation of primary Tools chain = BASELINE for WP3 Modeling
- EFS Modeling to feed up WP4 :
 - Which WP is managing EFS modeling ?
 - What about 2 models from OpenETCS ?
 - How to ensure consistency between those 2 models ? What about risk for interpreting differently SRS requirements ? Who is in charge of consistency and ONE SRS interpretation to secure interoperability ?
 - What is OpenETCS global technical strategy ?



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WP3 Ressources – Allocation & Availability

Company	ITEA2 - Person Year					Doodle			PY	WP3 - July 2013	
	2012	2013	2014	2015	Total	SysML - Papyrus	SCADE	Total		Total (PM)	PY
AEBt GmbH	0,0	0,2	0,1	0,1	0,4			0	0,00	16	1,49
All4TEC	1,0	1,0	0,5	0,5	3,0			0	0,00	21	1,95
ALSTOM	0,2	1,2	1,4	0,7	3,5	18	24	42	3,91	42	3,91
Alstom Transport	0,0	0,3	0,3	0,2	0,8			0	0,00	8	0,74
Alstom Transport GmbH	0,1	0,1	0,1	0,0	0,3			0	0,00	12	1,12
ATOC					0,0	3	0	3	0,28	0	0,00
CEA	0,2	0,7	0,7	0,7	2,3			0	0,00		0,00
LASS - Centre National de Recherche Scientifique	0,3	0,8	0,8	0,5	2,4			0	0,00	18	1,67
DB	0,0	0,1	0,1	0,1	0,3	18,5	27,5	46	4,28		0,00
Deutsches Zentrum für Luft- und Raumfahrt (DLR)	0,2	0,1	0,1	0,1	0,5			0	0,00	4	0,37
DSB					0,0			0	0,00		0,00
Eclipse Foundation					0,0			0	0,00		0,00
EclipseSource Group	0,3	0,8	0,5	0,3	1,9			0	0,00		0,00
ERSA	0,3	0,5	0,3	0,1	1,2			0	0,00		0,00
ERTMS Solutions	4,1	1,0	0,4	0,0	5,5	5	0	5	0,47	66	6,14
Formal Mind	0,4				0,4			0	0,00		0,00
Fraunhofer Gesellschaft	0,2	0,4	0,4	0,3	1,3			0	0,00	15	1,40
GE Transportation					0,0			0	0,00		0,00
Innovaia	0,2	0,3	0,6	0,2	1,3			0	0,00		0,00
Institut National Polytechnique de Toulouse (INPT)	0,5	1,0	1,0	0,5	3,0			0	0,00		0,00
Institut Telecom	0,5				0,5			0	0,00		0,00
Lloyd's register rail BV					0,0			0	0,00		0,00
Mitsubishi Electric	0,4	0,7	0,7	0,4	2,2	3		3	0,28	30	2,79
NS Nederlandse Spoorwegen					0,0			0	0,00		0,00
Siemens AG	0,2	0,7	0,7	0,5	2,1	10,5	17,5	28	2,60	22	2,05
SNCF	0,3	0,4	0,2	0,0	0,9			0	0,00		0,00
Software Quality System S.A.	0,3	0,7	0,7	0,3	2,0			0	0,00		0,00
Swiss Railways Engineering SRE GmbH					0,0			0	0,00		0,00
Systerel	1,0	1,5	0,5	0,5	3,5	17	20,5	37,5	3,49	42	3,91
Technical University Braunschweig (TUBS)					0,0	3	1	4	0,37	0	0,00
Trenitalia SpA					0,0			0	0,00		0,00
TWT GmbH Science & Innovation	0,2	0,5	0,5	0,2	1,4	3	4	7	0,65	0	0,00
University Bremen	0,5	0,4	0,4	0,2	1,5			0	0,00	15	1,40
University of Rostock	0,2				0,2			0	0,00		0,00
Total (PY)	11,6	13,4	11,0	6,4	42,4	81,0	94,5	175,5	16,3	311,0	28,9

WP3 Ressources – Allocation & Availability

- From Doodle polling table, we can deduce reduction of the ressources available for "Baseline - SysML / SCADE" WP3 modeling activity of factor :
 - 2,6 versus ITEA2 commitment table (as available now)
 - 1,8 versus WP3 ressources list as provided by ALSTOM because committed and confirmed by all actors on July 2012

despite huge reinforcement of DB ressources

Conclusion : WP3 manager will fall with D7.1 document and resulting decision but is needing NOW to analyse and confirm that WP3 modeling activity could succeed →
Work Package 3 Task Force on OpenETCS OBU SSRS

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WP3 Work Plan - Proposal

- **WP3 Task Force from next week till 08.11.2013 :**
 - **Proposed Work structure :**
 - Leadership : one ERTMS and SysML expert leading the Task Force in full consistency and coordination with work already done within the frame of SSRS Team
 - Work Group : All but only the WP3 modeling and/or SSRS major actors (see doodle table) + few little actors having ERTMS &/or Safety expertises (TBD)
 - **Proposed support :**
 - ALSTOM proposes to put on table its or part of its ERTMS's SyRS which is actually
 - Describing the ERTMS OBU functional breakdown and functional data exchange
 - Specifying the resulting ERTMS functions as resulting from SRS requirements
 - Ensuring proven in service ERTMS OBU interoperability with any other ERTMS manufacturers since years and years
 - Invitation for other ERTMS actor(s) invited to participate to ALSTOM's proposed Task Force to make available their or part of their SyRS document

WP3 Work Plan - Proposal

- **Proposed Work Plan :**

- 4 days workshop in ALSTOM Charleroi on week 43 – Objectives :
 - OpenETCS SRS functional and architectural breakdown - DRAFT
 - Definition of work sharing, plan(ning) and organization to :
 - first, finalize OpenETCS SyRS (=SSRS) document on which any modeling activity has to be based on later on (to avoid disinterpretation of SRS requirements)
 - second, organize SyRS SysML modeling activity
- 2 scrum meetings on week 44
- 4 days progress (Conclusion) meeting in ALSTOM CRL on week 45

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Conclusion

- Open Discussion

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