



European Task Force for Smart Grids

Reference Group for Smart Grid Standards

EC Mandate M490 to ESOs

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http://ec.europa.eu/energy/gas_electricity/smartgrids/smartgrids_en.htm



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composition



Name	DG /Organisation
Manuel Sánchez / Ulrike Nuscheler/Mario Dionisio	EC DG-ENER
Hugo Cordoba / Daniel Hanekuyk / Michal Spiechowicz	EC DG ENTR
Mercé Griera I Fisa / Patricia Arsene	EC DG INFSO
Gianluca Fulli / Vincenzo Giordano/ Marcelo Masera	EC JRC
Jörg Huperz	EC DG JUST
Henrik Dam	EC DG RTD
External Advisors	
Frans Deleu	WELMEC
Rémy Garaude-Verdier	EdF
Jon Stromsather	Enel
Patrick Bernard	Schneider-electric
Eugenio Triana	Fundation Industrial Innovation
Frank Hyldmar	Elster
Bram Reinders	Alliander
Kevin O'Donovan	Intel
Werner Friedl	CEER /e-Control
Peter Sigenstam	EoN-Energie
Jos Dehaeseleer / Daniel Hec	Marcogaz
Gerald Sanchis	RTE Frnace /ENTSO-E

Background



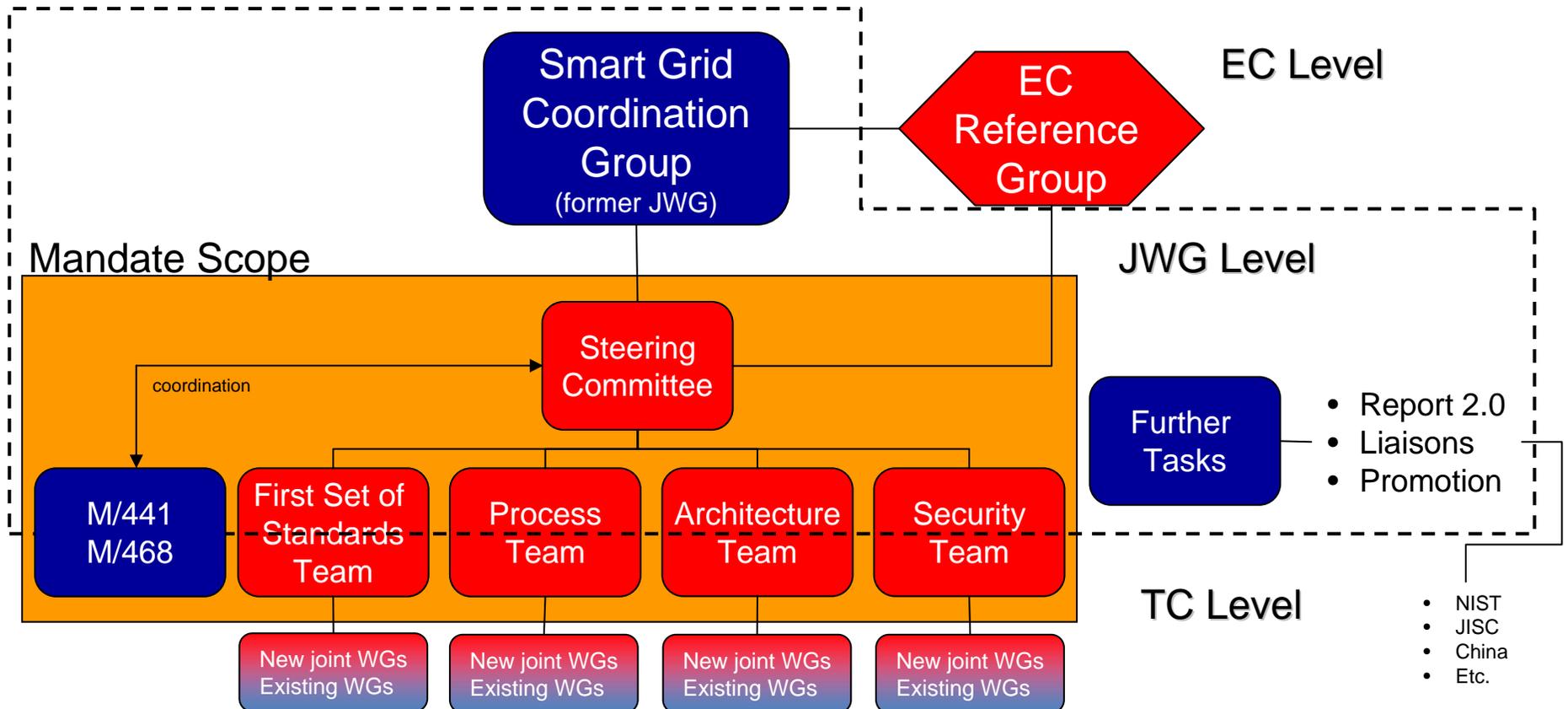
- **Energy Council of 4 February**: the importance of standards for Smart Grid and call on the ESOs to conclude the work by end of 2012
- **The Mandate M490 and COM(2011)202** foreseen the creation of a "Reference Group to monitor the implementation of the work programme established under the Mandate with a view to ensure timely adoption of the Smart Grids related standards“
- **The ToR for the Task Force** are applicable
- **Starting in June 2011**

Expected tasks



- validate the Priority Ranking and PoW-M490
- monitoring the progress/deliverables
- ensure coordination of work/deliverables
- ensure that all relevant European actors are associated with the work
- validate the revision of the PoW in 2012

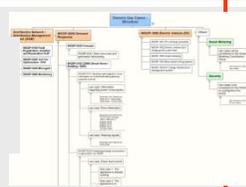
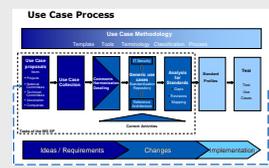
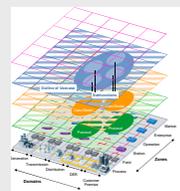
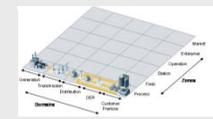
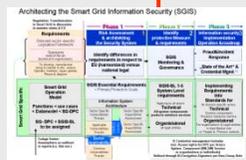
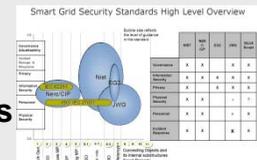
Structure



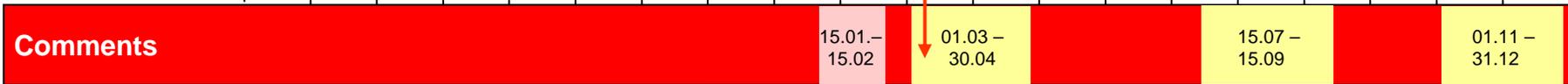
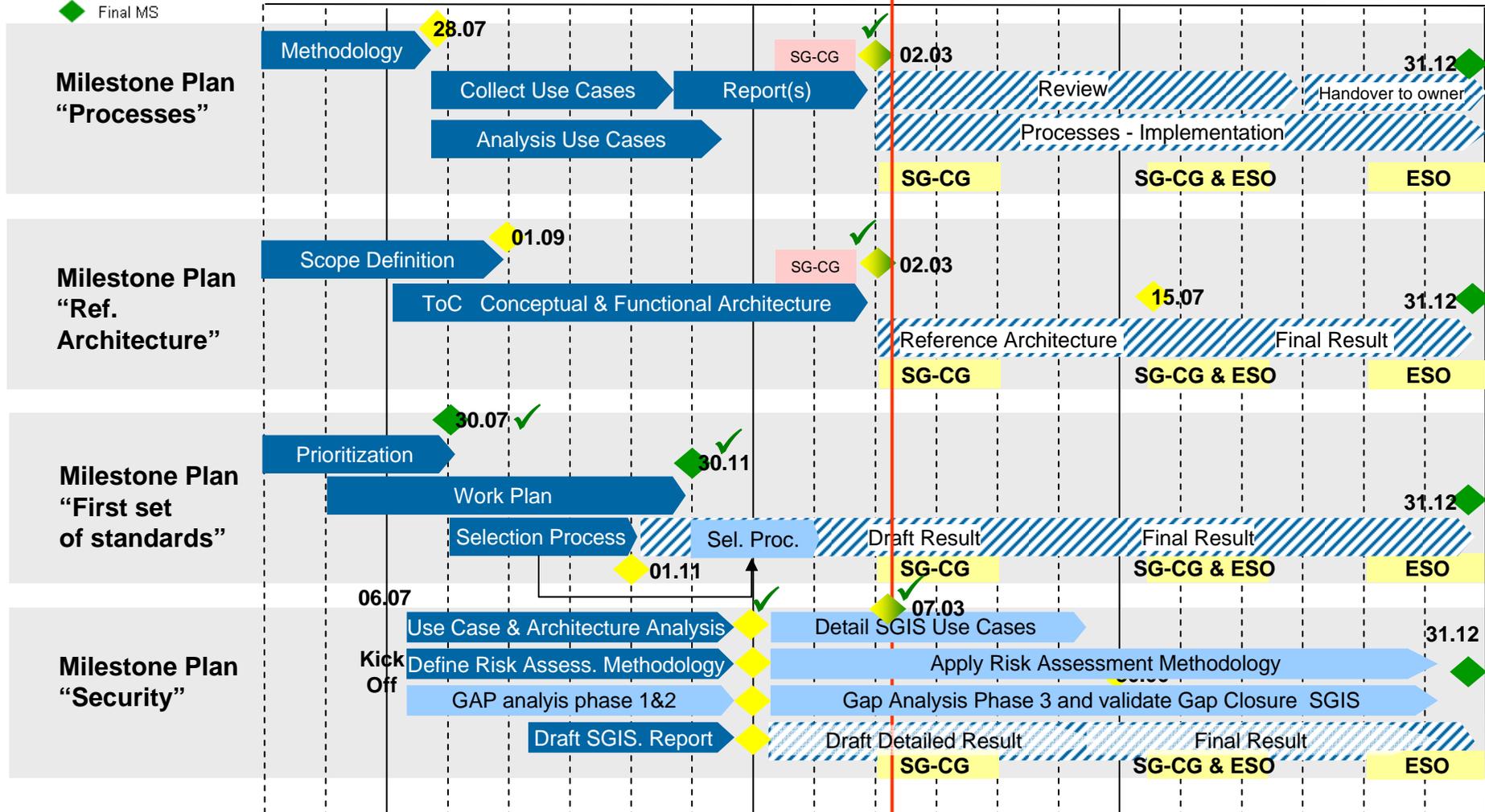
Deliverables



2011								2012											
05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12

<p>Working Group “Processes”</p>	<p>Draft Report Collected UC UC Repository</p> 	 <p>Use Cases</p>	<p>Final Report Harmonized UC Process Recs</p> 
<p>Working Group “Ref. Architecture”</p>	<p>Draft Report Architecture Model</p> 		<p>Final Report Mapping UC to Functional Architecture</p> 
<p>Working Group “First set of standards”</p>	<p>Prioritization</p>  <p>Gap Analysis</p>  <p>Work Program</p> 		<p>Final Report First Set of Standards</p> 
<p>Working Group “Security”</p>	<p>Draft Report SGIS Gaps</p> 		<p>Final Report SGIS RAM, UC, Gaps Closure, Recs</p> 

Timetable



New standards



		Update date	8-Nov-11															
			2011		2012				2013				2014					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Gap Nb	ID	Gap summary	Leader															
9	Gen-2, SM-1	Revenue metering data harmonisation DLMS/COSEM vs IEC 61850/CIM	T. Schaub															
10	Gen-3, Ind-2, Dis-2	Demand-Response data modelling (Smart users) VPPs data modelling (Smart users)	P. Ferstl															
8	Gen-1, Dis-2	CIM-61850 data model harmonisation	L. Guise															
18	Dis-4	Develop Cyber-security around IEC 62351	JP Mennella															
11-12	Gen-5, Gen-4	Connecting DER - electrotechnical rules Connecting DER - electrotechnical functions	S. Volut															
26	Other-1	Migrating to web-services	L. Guise															
17	Dis-3	Seamless communication between control centre and substation	P. Lhuillier															
16	Dis-1, Dis-7	Feeder and Advanced Distribution automation	José Manuel Inchausti															
3	Com-2	Harmonize activities on data transport technologies	John Newbury															
22	SM-3	From Smart metering to Smart Grid, and e-mobility	C. Andersen															
23	Ind-3	Smart metering data to building system interface	David Johnson															
25	Ind-5	Electrical installation allowing DER installation	E. Tison															
5	EMC-1	Immunity test method and requirements compatibility levels and emissions limits	C. Imposimato															
6	EMC-2	Review EMC and Power Quality levels	H. Rochereau															
7	EMC-3	Consider distorting current emissions from DER equipment	C. Imposimato															
			pre-study															
			draft															
			standard															

EU Conceptual Model



European Commission

