



STF 516 – Progress Report for ETSI

Presented to ETSI meeting	Author:	Mr. Michael Gilmore
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	Version	
Doc ref	page 1 of 6	

STF	516
TB/WG	ATTM

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TB responsible	Dominique Roche, Beniamino Gorini, Paulo Valente
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STF title:	Activities for Mandate M/462: Standardization mandate addressed to CEN, CENELEC and ETSI in the field of ICT to enable efficient energy use in fixed and mobile information and communication networks - Phase 2
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Milestone	B1		Status Template	Covers the period until (cut-off date)	31/12/2016
Objective	Progress Report approved by STF Steering Group and early draft of deliverables D01 to D04				
Achieved	Yes/No	<p>There are 13 separate proposed ENs within STF 516. Of these:</p> <ul style="list-style-type: none"> - Early Drafts have been prepared for 5 - Working Drafts have been produced for 2 - Skeleton Drafts have been produced for 6. 			
Remarks	<ul style="list-style-type: none"> • Early drafts have been prepared for 5 documents <ul style="list-style-type: none"> - EN 305 174-2 (D01) - pending involvement of additional expert from 2nd CfE; - EN 305 200-1 (D02); - EN 305 200-2-1 (D03); - EN 305 200-3-1 (D04); - EN 305 174-1 (D11); • Working drafts have been prepared for 7 as follows: <ul style="list-style-type: none"> - EN 305 174-8 (D13); - EN 303 472 (D09). • Skeleton drafts have been prepared for 6 as follows: <ul style="list-style-type: none"> - EN 305 200-2-2 (D06) - pending allocation of experts in 3rd CfE; - EN 305 200-2-3 (D08) - pending allocation of experts in 3rd CfE; - EN 305 200-2-4 (D07) - pending acceptance of contract by expert from 1st CfE; - EN 305 174-5-1 (D10) - pending allocation of experts in 3rd CfE; - EN 303 470 (D05); - EN 303 471 (D12). 				

Achieved dates

Template	Draft report	TB approval	ETSI approval	Sent to EC	EC approval
08/12/2016	12/12/2016				

1 Executive summary

STF 516 has been committed to preparing 13 ETSI Euronorms grouped into two timeframes (one providing stable drafts in March 2017, the other in June 2017).

Some of these ENs are based on existing ETSI documents (TR, TS and ES) while others have no foundation documents upon which to build.

- Early drafts have been prepared for 5 documents
 - EN 305 174-2 (D01) - pending involvement of additional expert from 2nd CfE;
 - EN 305 200-1 (D02);
 - EN 305 200-2-1 (D03);
 - EN 305 200-3-1 (D04);
 - EN 305 174-1 (D11);
- Working drafts have been prepared for 7 as follows:
 - EN 305 174-8 (D13);
 - EN 303 472 (D09).
- Skeleton drafts have been prepared for 6 as follows:
 - EN 305 200-2-2 (D06) - pending allocation of experts in 3rd CfE;
 - EN 305 200-2-3 (D08) - pending allocation of experts in 3rd CfE;
 - EN 305 200-2-4 (D07) - pending acceptance of contract by expert from 1st CfE;
 - EN 305 174-5-1 (D10) - pending allocation of experts in 3rd CfE;
 - EN 303 470 (D05);
 - EN 303 471 (D12).

The requested changes to designations and titles of the standards of the 305 200 series have been proposed to, and agreed by, TC ATTM.

At this time there are no proposed changes to the STF work plan. However, the limited success of the 2nd Call for Experts represents a degree of risk to certain of the projects. It is critical that a 3rd Call for Experts results in additional resource for the following documents in order for them to be completed on schedule (see clause 6):

- EN 303 471 (D12) - pending allocation of experts in 3rd CfE;
- EN 305 174-5-1 (D10) - pending allocation of experts in 3rd CfE;
- EN 305 174-8 (D13) - pending allocation of experts in 2nd/3rd CfE;
- EN 305 200-2-2 (D06) - pending allocation of experts in 3rd CfE;
- EN 305 200-2-3 (D08) - pending allocation of experts in 2nd/3rd CfE.

2 Introduction

STF 516 comprises three separate Working Groups each led by the STF Leader. In order to limit wasted resources:

- the number of experts in multiple WGs is minimised;
- the cross-fertilisation between documents in each WG is maximised.

The mix of experts within the WGs is effective and will be supplemented by appropriate allocation from the 2nd Call for Experts (completed) and 3rd Call for Experts which is required to be completed as soon as possible.

3 Contractual milestone

Milestone B is achieved by the existence of this report and the provision of Early Drafts of:

- EN 305 174-2 (D01);
- EN 305 200-1 (D02);
- EN 305 200-2-1 (D03);
- EN 305 200-3-1 (D04).

This has been achieved.

4 Progress of the work

The work of the STF is divided into the following Working Groups.

STF WG1: activities, titles, TCs and publication deadlines

NOTE: the updated titles of the EN 305 200 series are used here.

	Designation	Title	TC
D11	DEN/ATTM-009 EN 305 174-1	Broadband Deployment and Lifecycle Resource Management; Overview, common and generic aspects.	ATTM (06/17)
D01	DEN/ATTM-002 EN 305 174-2	Broadband Deployment and Lifecycle Resource Management; ICT Sites	ATTM (03/17)
D10	DEN/ATTM-008 EN 305 174-5-1	Broadband Deployment and Lifecycle Resource Management; Customer network infrastructures; Homes (single-tenant)	ATTM (06/17)
D13	DEN/ATTM-010 EN 305 174-8	Broadband Deployment and Lifecycle Resource Management; Management of end of life of ICT equipment	ATTM (06/17)
D02	DEN/ATTM-003 EN 305 200-1	Energy management; Operational infrastructures; Global KPIs; General requirements	ATTM (03/17)
D03	DEN/ATTM-004 EN 305 200-2-1	Energy management; Operational infrastructures; Global KPIs; Specific requirements; ICT Sites	ATTM (03/17)
D07	DEN/CABLE-0022 EN 305 200-2-4	Energy management; Operational infrastructures; Global KPIs; Specific requirements; Cable access networks	CABLE (06/17)
D04	DEN/ATTM-005 EN 305 200-3-1	Energy management; Operational infrastructures; Global KPIs; ICT Sites; DCEM	ATTM (03/17)

Since the Milestone A Report on 19th September 2016, documents have progressed as shown below.

		Status 19/09/2016	Status 12/12/2016	Commentary
D11	DEN/ATTM-009 EN 305 174-1	Working Draft 1 V0.0.1	Working Draft 3 V0.0.3 (Early Draft)	Text is well developed and requires final agreement of broadband deployment models with WG1 and WG2 experts before production of a stable draft.
D01	DEN/ATTM-002 EN 305 174-2	Working Draft 1 V0.0.1	Working Draft 1 V0.0.3 (Early Draft)	Text is well developed. It has to be identified how the EN will relate to the contents of ES 205 174-2. Meeting planned for 27 th January 2017 to agree. An additional expert has been appointed during 2 nd Call for Experts to assist in final editing prior to the production of a stable draft.
D10	DEN/ATTM-008 EN 305 174-5-1	Skeleton Draft V0.0.1	Skeleton Draft V0.0.2	Further development requires additional resource from 3 rd Call for Experts
D13	DEN/ATTM-010 EN 305 174-8	Working Draft 1 V0.0.1	Working Draft 3 V0.0.3	Text is well developed. On the agenda for the WG1 meeting on 25 th /26 th January 2017. Further development ideally requires additional resource from 3 rd Call for Experts
D02	DEN/ATTM-003 EN 305 200-1	Working Draft 1 V0.0.1	Working Draft 3 V0.0.3 (Early Draft)	Text is well developed. Final review will be undertaken at the WG1 meeting on 25 th /26 th January 2017 following which stable draft will be produced.
D03	DEN/ATTM-004 EN 305 200-2-1	Working Draft 1 V0.0.1	Working Draft 3 V0.0.3 (Early Draft)	Text is well developed. Final review will be undertaken at the WG1 meeting on 25 th /26 th January 2017 following which stable draft will be produced.
D07	DEN/CABLE-0022 EN 305 200-2-4	Skeleton Draft V0.0.1	Skeleton Draft 2 V0.0.3	Text is outline only. No progress has been possible due to failure to agree a contract with expert appointed in 1 st Call for Experts. This has now been resolved. The format of the document will follow that of EN 305 200-2-2 and EN 305 200-2-3 (WG2 projects) based on "load profiles".

				A formal development plan will be produced in January 2017. It is possible that D07 may be allocated to WG2 in due course but we await the contract to be completed with the expert from TC CABLE.
D04	DEN/ATTM-005 EN 305 200-3-1	Working Draft 1 V0.0.1	Working Draft 3 V0.0.3 (Early Draft)	Text is well developed. Final review will be undertaken at the WG1 meeting on 25 th /26 th January 2017 following which stable draft will be produced.

STF WG2: activities, titles, TCs and publication deadlines

	Designation	Title	TC
D06	DEN/ATTM-006 EN 305 200-2-2	Energy management; Global KPIs; Operational infrastructures; Specific requirements; Fixed Broadband access networks	ATTM (06/17)
D08	DEN/ATTM-007 EN 305 200-2-3	Energy management; Global KPIs; Operational infrastructures; Specific requirements; Mobile access networks	ATTM (06/17)
D12	DEN/EE-EEPS26 EN 303 471	Energy efficiency measurement method and KPIs of Network Function Virtualization (NFV) applications in ICT networks	EE (06/17)
D09	DEN/EE-EEPS25 EN 303 472	Measurement Process for Energy Efficiency KPI for RAN Equipment	EE (06/17)

Since the Milestone A Report on 19th September 2016, documents have progressed as shown below.

		Status 19/09/2016	Status 12/12/2016	Commentary
D06	DEN/ATTM-006 EN 305 200-2-2	Skeleton Draft V0.0.1	Skeleton Draft 2a V0.0.3	Following the agreement that "access network" documents will adopt load profiles, Skeleton Draft 2a has been produced for discussion at the WG2 meeting on 14 th /15 th December 2016. Any progress made will require additional expert from the "operator" arena is required from 3 rd Call for Experts.
D08	DEN/ATTM-007 EN 305 200-2-3	Skeleton Draft V0.0.1	Skeleton Draft 1a V0.0.2	Following the agreement that "access network" documents will adopt load profiles, Skeleton Draft 1a has been produced for discussion at the WG2 meeting on 14 th /15 th December 2016. Any progress made will require additional expert from the "operator" arena is required from 3 rd Call for Experts.
D12	DEN/EE-EEPS26 EN 303 471	Skeleton Draft V0.0.1	Skeleton Draft V0.0.1	Outline concepts have been reviewed. Skeleton Draft 1 will be developed at the WG2 meeting on 14 th /15 th December 2016. It is hoped that expertise identified during 2 nd Call for Experts will be able to assist.
D09	DEN/EE-EEPS25 EN 303 472	Working Draft V0.0.1	Working Draft 4 V0.0.4	Text is well developed. Working Draft 4 has been produced for discussion at the WG2 meeting on 14 th /15 th December 2016. This will identify further work required.

STF WG3: activity, title, TC and publication deadline

	Designation	Title	TC
D05	DEN/EE-EEPS24 EN 303 470	Measurement Process for Energy Efficiency KPI for Servers	EE (06/17)

Since the Milestone A Report on 19th September 2016, documents have progressed as shown below.

		Status 19/09/2016	Status 12/12/2016	Commentary
D06	DEN/ATTM-006 EN 305 200-2-2	Skeleton Draft V0.0.1	Skeleton Draft V0.0.2	Following the F2F meeting in October 2016, the basic concepts have been identified and further work is underway by the expert.

5 Assessment of technical risk, difficulties encountered/expected, unresolved issues

Some of these ENs are based on existing ETSI documents (TR, TS and ES) while others have no foundation documents upon which to build.

Technical challenges exist for EN 305 200-2-2, EN 305 200-2-3 and the EN 303 47x documents but is believed that with the right mix of expertise (including that from the 2nd and 3rd Call for Experts), the projects can be completed in such a form suitable for an ETSI EuroNorm.

6 Proposed changes in the STF work plan

There are no proposed changes to the STF work plan at this time.

However, it is important to ensure that a 3rd Call for Experts results in the appropriate expertise to maintain the objectives and timescales for the following documents:

- EN 303 471 (D12);
- EN 305 174-5-1 (D10);
- EN 305 174-8 (D13);
- EN 305 200-2-2 (D06);
- EN 305 200-2-3 (D08).

7 Resources requirements

It is expected that a 3rd Call for Experts may be initiated.

8 Changes in the STF Team

At the present time the Working Groups comprise:

- WG1: Mike Gilmore (MG), Raffaele Bolla (RB), Gilles Dretsch (GD) and Guillaume Gerard (GG)
- WG2: Mike Gilmore (MG), Raffaele Bolla (RB), Daniel Dianat (DD) Han-Otto Scheck (H-OS);
- WG3: Mike Gilmore (MG) and Henry Wong (HW).

Since the last report on 19th September 2016, Simon Singh-Kang (SK) has accepted the contract to work on D07, EN 305 200-2-4 (at present within WG1).

The 2nd Call for Experts has potentially added (subject to the agreement of contracts):

- WG1: Mark Acton (MA) and Philippe Moretto (PM);
- WG2: Philippe Moretto (PM).

NOTE: the split of work for PM is not clear yet. Once this is clarified it may be possible to simplify the WG membership.

A 3rd Call for Experts is required to provide two or more additional experts from the “operational” side of broadband deployment.

9 Meetings/events attended on behalf of the STF

The STF Leader presented the work of the STF to TC ATT M Plenary 16 on 8th November 2016. Requests by the STF for changes of designations and titles of standards in the EN 4305 200 series were accepted.

10 Meetings/events planned to be attended

Date	Place	TB/Orga	Event description	Reason to attend	Expert(s)
30/05/2017	ETSI	TC ATT M	TC Plenary	Report on progress	M Gilmore

11 STF communications, presentations, promotion, inside and outside ETSI, WEB pages etc

Not applicable at this time.

12 Technical advice required from the reference Technical Body

Not applicable at this time.

13 Status of the deliverables

Early drafts have been uploaded to the TC ATTM "Drafts" area for the following:

- EN 305 174-2 (D01);
- EN 305 200-1 (D02);
- EN 305 200-2-1 (D03);
- EN 305 200-3-1 (D04);
- EN 305 174-1 (D11);

In addition, all latest drafts of all documents have been uploaded to the STF 516 DocBox and are available at ftp://docbox.etsi.org/STF/STF516_M462_EnergyEfficiency/STFWorkArea with the following locations and designations:

- Early drafts
 - EN 305 174-2 (D01): Folder WG1/Documents - Document reference STF516-wg1-03-14
 - EN 305 200-1 (D02): Folder WG1/Documents - Document reference STF516-wg1-03-15
 - EN 305 200-2-1 (D03): Folder WG1/Documents - Document reference STF516-wg1-03-16
 - EN 305 200-3-1 (D04): Folder WG1/Documents - Document reference STF516-wg1-03-17
 - EN 305 174-1 (D11): Folder WG1/Documents - Document reference STF516-wg1-03-13
- Working drafts:
 - EN 305 174-8 (D13): Folder WG1/Documents - Document reference STF516-wg1-03-18
 - EN 303 472 (D09): Folder WG2/Documents - Document reference STF516-wg2-03-15
- Skeleton drafts have been prepared for 6 as follows:
 - EN 305 200-2-2 (D06): Folder WG2/Documents - Document reference STF516-wg2-03-12
 - EN 305 200-2-3 (D08): Folder WG2/Documents - Document reference STF516-wg2-03-13
 - EN 305 200-2-4 (D07): Folder WG2/Documents - Document reference STF516-wg2-03-14
 - EN 305 174-5-1 (D10): Folder WG1/Documents - Document reference STF516-wg1-02-21
 - EN 303 470 (D05): Folder WG3/Documents - Document reference STF516-wg3-02-04
 - EN 303 471 (D12): Folder WG2/Documents - Document reference STF516-wg2-03-15

14 Next report

The next report is scheduled for 28th February 2017.

This milestone requires early drafts of projects D05 to D13. The quality of these Early Drafts will depend upon the allocation of appropriate expertise from the 3rd Call for Experts.

15 Any other business

Not applicable at this time.