



## STF 516 – Progress Report for ETSI

Presented to ETSI meeting	Author:	Mr. Michael Gilmore
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<b>STF</b>	<b>516</b>
<b>TB/WG</b>	<b>ATTM</b>

<b>STF leader</b>	Mike Gilmore
<b>TB responsible</b>	Dominique Roche, Beniamino Gorini, Paulo Valente
<b>STF Assistant</b>	Thierry Comont

<b>STF title:</b>	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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<b>Milestone</b>	<b>A1</b>		<b>Status Template</b>	<b>Covers the period until (cut-off date)</b>	<b>30/09/2016</b>
<b>Objective</b>	Progress Report approved by STF Steering Group and EN skeletons				
<b>Achieved</b>	Yes	There are 13 separate proposed ENs within STF 516. Of these 13 skeletons (outline) drafts have been prepared for 7 (as detailed below) and more detailed working drafts have been prepared for the other 6 (as detailed below).			
<b>Remarks</b>	<ul style="list-style-type: none"> <li>• Skeleton (outline) drafts have been prepared for 7 as follows: <ul style="list-style-type: none"> <li>- EN 305 174-2 (D01) - pending allocation of experts in 2<sup>nd</sup> CfE;</li> <li>- EN 305 174-5-1 (D10) - pending allocation of experts in 2<sup>nd</sup> CfE;</li> <li>- EN 305 200-2-2 (D06) - pending allocation of experts in 2<sup>nd</sup> CfE;</li> <li>- EN 305 200-2-3 (D08) - pending extension of contracts for existing experts allocation of experts in 2<sup>nd</sup> CfE;</li> <li>- EN 305 200-2-4 (D07) - pending acceptance of contract by expert;</li> <li>- EN 303 471 (D12) - based on content of EN 305 200-2-2 and EN 305 200-2-3;</li> <li>- EN 303 470 (D05) - awaiting first F2F meeting with expert;</li> </ul> </li> <li>• Working drafts have been prepared for 6 as follows: <ul style="list-style-type: none"> <li>- EN 305 174-1 (D11);</li> <li>- EN 305 174-8 (D13);</li> <li>- EN 305 200-1 (D02);</li> <li>- EN 305 200-2-1 (D03);</li> <li>- EN 305 200-3-1 (D04) - which is requested to re-designated as EN 305 200-3-1;</li> <li>- EN 303 472 (D09).</li> </ul> </li> </ul>				

### Achieved dates

Template	Draft report	TB approval	ETSI approval	Sent to EC	EC approval
02/09/2016	19/09/2016				

## 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.

- Skeleton (outline) drafts have been prepared for 7 as follows:
  - EN 305 174-2 (D01) - pending allocation of experts in 2<sup>nd</sup> CfE;
  - EN 305 174-5-1 (D10) - pending allocation of experts in 2<sup>nd</sup> CfE;
  - EN 305 200-2-2 (D06) - pending allocation of experts in 2<sup>nd</sup> CfE;
  - EN 305 200-2-3 (D08) - pending extension of contracts for existing experts allocation of experts in 2<sup>nd</sup> CfE;
  - EN 305 200-2-4 (D07) - pending preparation and acceptance of contract by expert from 1<sup>st</sup> CfE;
  - EN 303 471 (D12) - based on content of EN 305 200-2-2 and EN 305 200-2-3;
  - EN 303 470 (D05) - awaiting first F2F meeting with expert;
- Working drafts have been prepared for 6 as follows:
  - EN 305 174-1 (D11);
  - EN 305 174-8 (D13);
  - EN 305 200-1 (D02);
  - EN 305 200-2-1 (D03);
  - EN 305 200-3-1 (D04) - which is requested to re-designated as EN 305 200-3-1;
  - EN 303 472 (D09).

At this time there are no proposed changes to the STF work plan.

However, there are some proposed changes to the titles of the documents in the EN 305 200 series (and in one case the number series of the EN). These are required to be approved by TC ATTM (see clause 12).

It is important to ensure that both existing contract extensions and a 2nd Call for Experts result in the appropriate expertise to maintain the objectives and timescales for certain document (see clause 6).

## 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 to be completed as soon as possible.

## 3 Contractual milestone

The original milestone at this stage was the production of skeleton (outline) drafts of each document. This has been achieved for 7 documents. However, for the other 6 it has been possible to produce more comprehensive working drafts which are now at STF WG comment stage (ending in October 2016).

More importantly, each document has been reviewed in terms of its Introduction, Scope and resource demands. This has led to identification of the need for existing contract extensions and a 2nd Call for Experts on a document-by-document basis (see clause 6).

## 4 Progress of the work

Each WG has met in F2F meetings - with the exception of WG3, as the expert is based in Santa Clara, CA, USA and the F2F will take place on 2<sup>nd</sup> October 2016.

The meetings have discussed in detail the development of the documents for which they are responsible, to define Introductions and Scopes and to assess the WG ability to deliver the documents (i.e. where a 2<sup>nd</sup> Call for Experts is required).

Following some initial re-adjustment the allocation of documents to the WGs is as shown below. 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.

<b>STF 516 Working Group 1</b>			
	<b>Designation</b>	<b>Title</b>	<b>TC</b>
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 (ICT waste/End of life)	ATTM (06/17)
D02	DEN/ATTM-003 EN 305 200-1	Energy management; Global KPIs; Operational infrastructures; General requirements	ATTM (03/17)
D03	DEN/ATTM-004 EN 305 200-2-1	Energy management; Global KPIs; Operational infrastructures; Specific requirements; ICT Sites	ATTM (03/17)
D07	DEN/CABLE-0022 EN 305 200-2-4	Energy management; Global KPIs; Operational infrastructures; Specific requirements; Cable access networks	CABLE (06/17)
D04	DEN/ATTM-005 EN 305 200-3	Energy management; Global KPIs; Operational infrastructures; Specific requirements; Global KPI for ICT Sites	ATTM (03/17)
<b>STF 516 Working Group 2</b>			
	<b>Designation</b>	<b>Title</b>	<b>TC</b>
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)
<b>STF 516 Working Group 3</b>			
	<b>Designation</b>	<b>Title</b>	<b>TC</b>
D05	DEN/EE-EEPS24 EN 303 470	Measurement Process for Energy Efficiency KPI for Servers	EE (06/17)

WG1 has proposed changes to the deliverables and these changes relate to the numbering and naming of the documents in the EN 305 200 series (see clause 12).

## 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 with the right mix of expertise (including that from the 2<sup>nd</sup> 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 2<sup>nd</sup> Call for Experts results in the appropriate expertise to maintain the objectives and timescales for the following documents:

- EN 305 174-2 (D01) - pending allocation of experts in 2<sup>nd</sup> CfE;
- EN 305 174-5-1 (D10) - pending allocation of experts in 2<sup>nd</sup> CfE;
- EN 305 174-8 (D13) - pending allocation of experts in 2<sup>nd</sup> CfE.
- EN 305 200-2-2 (D06) - pending allocation of experts in 2<sup>nd</sup> CfE;
- EN 305 200-2-3 (D08) - pending extension of contracts for existing experts allocation of experts in 2<sup>nd</sup> CfE.
- EN 303 471 (D12) - pending extension of contracts for existing experts allocation of experts in 2<sup>nd</sup> CfE.

## 7 Resources requirements

A proposal for contract extensions and a 2<sup>nd</sup> Call for Experts (within the existing budget of the STF) has already been made to Alberto Berrini.

## 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)  
NOTE Simon Singh-Kang (SK) is yet to accept the contract to work on D07, EN 305 200-2-4;
- WG2: Mike Gilmore (MG), Raffaele Bolla (RB), Daniel Dianat (DD) Han-Otto Scheck (H-OS);
- WG3: Mike Gilmore (MG) and Henry Wong (HW).

The 2<sup>nd</sup> Call for Experts will add two or more additional experts from the “operational” side of broadband deployment.

## 9 Meetings/events attended on behalf of the STF

Not applicable

## 10 Meetings/events planned to be attended

Date	Place	TB/Orga	Event description	Reason to attend	Expert(s)
8-10/ 11/2016	ETSI	TC ATTM	TC Plenary	Report on progress and to request changes to the EN 305 200 series titles (etc)	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

Three ETSI TBs have responsibility for STF 516. Interim reports have already provided asking specific questions, most of which have been answered in full.

However, TC ATTM is, and has been, requested to consider the following at their next Plenary session.

The title of the series EN 305 200-x “*Energy management; Global KPIs; Operational infrastructures*” seems a little strange. By the definition of earlier TC ATTM documents, Global KPIs are only applicable to operational infrastructures. Therefore, it would more logical to entitle the series “*Energy management; Operational infrastructures; Global KPIs*”.

If this was acceptable it would allow clearer explanation of the parts as follows:

- EN 305 200-1: series “*Energy management; Operational infrastructures; Global KPIs; General requirements*”.
- EN 305 200-2: series “*Energy management; Operational infrastructures; Global KPIs; Specific requirements*”.

With regard to EN 305 200-3 “*Energy management; Global KPIs; Operational infrastructures; Specific requirements; Global KPI for ICT Sites*”, the designation and title seems to be a little confusing and possibly restrictive. It is clear that this document addresses one particular Global KPI for ICT Sites i.e. *DCEM*. However, this particular KPI is only one that conforms to the requirements of EN 305 200-2-1 which is already entitled “*Energy management; .....; Specific requirements; ICT Sites*”. In the future TC ATTM may wish to create other Global KPIs for some of the other infrastructures covered by EN 305 200-x.

It might be better to have a virtual series EN 305 200-3: series “*Energy management; Operational infrastructures; ICT Sites*” and convert the proposed EN 305 200-3 to become EN 305 200-3-1 “*Energy management; Operational infrastructures; Global KPIs; ICT Sites: DCEM*”.

It should be noted that the skeleton and working drafts listed in clause 13 already assume these changes have been made but this needs to be formally approved by TC ATTM.

## 13 Status of the deliverables

All documents are available at [ftp://docbox.etsi.org/STF/STF516\\_M462\\_EnergyEfficiency/STFWorkArea](ftp://docbox.etsi.org/STF/STF516_M462_EnergyEfficiency/STFWorkArea) with the following suffixes

- Skeleton (outline) drafts:
  - EN 305 174-2 (D01) - [/WG1/Documents/STF516-wg1-02-05\\_SD\\_305\\_174-2\\_V001.pdf](#)
  - EN 305 174-5-1\* (D10) - [/WG1/Documents/STF516-wg1-02-21\\_SD\\_305\\_174-5-1\\_V001.pdf](#)
  - EN 305 200-2-2 (D06) - [/WG2/Documents/STF516-wg2-02-03\\_SD\\_305\\_200-2-2\\_V001.pdf](#)
  - EN 305 200-2-3 (D08) - [/WG2/Documents/STF516-wg2-02-05\\_SD\\_305\\_200-2-3\\_V001.pdf](#)
  - EN 305 200-2-4\* (D07) - [/WG1/Documents/STF516-wg1-02-22\\_SD\\_305\\_200-2-4\\_V001.pdf](#)
  - EN 303 471\* (D12) - [/WG2/Documents/STF516-wg2-02-09\\_SD\\_303\\_471\\_V001.pdf](#)
  - EN 303 470\* (D05) - [/WG2/Documents/STF516-wg3-01-07\\_SD\\_303\\_470\\_V001.pdf](#)

\* available before 30<sup>th</sup> September 2016

- Working drafts:
  - EN 305 174-1 (D11) - [/WG1/Documents/STF516-wg1-02-03\\_WD\\_305\\_174-1\\_V001.pdf](#)
  - EN 305 174-8 (D13) - [/WG1/Documents/STF516-wg1-02-07\\_WD\\_305\\_174-8\\_V001.pdf](#)
  - EN 305 200-1 (D02) - [/WG1/Documents/STF516-wg1-02-09\\_WD\\_305\\_200-1\\_V001.pdf](#)
  - EN 305 200-2-1 (D03) - [/WG1/Documents/STF516-wg1-02-11\\_WD\\_305\\_200-2-1\\_V001.pdf](#)
  - EN 305 200-3-1 (D04) - [/WG1/Documents/STF516-wg1-02-13\\_WD\\_305\\_200-3-1\\_V001.pdf](#)
  - EN 303 472\* (D09) - [/WG2/Documents/STF516-wg2-02-07\\_SD\\_303\\_472\\_V001.pdf](#)

\* available before 30<sup>th</sup> September 2016

## **14 Next report**

The next report is scheduled for 31<sup>st</sup> December 2017.

This milestone requires early drafts of projects D01 to D04. There is no reason to suppose that this deadline will not be met.

## **15 Any other business**

None