

TECHNICAL BOARD

CENELEC/BT by correspondence		Agenda item:	8.3.1
For vote		Issue date:	2012-10-31
Simultaneous circulation to CEN/BT	<input checked="" type="checkbox"/>	Deadline:	2012-11-27

SUBJECT**CEN-CENELEC-ETSI SMART GRID COORDINATION GROUP**

Continuation of the activities of CEN-CENELEC-ETSI Smart Grid CG beyond 2012 (M/490 iteration)

BACKGROUND

See Annex 1.

An identical proposal is submitted to the CEN Technical Board.

PROPOSAL(S)

BT agreed on the principle of continuing the activities of CEN-CENELEC-ETSI Smart Grid Coordination Group beyond 2012, and this in line with the suggested M/490 iteration.

CEN Reference:

[Annex 1 to BT N 9057](#)

CENELEC Reference:

[Annex 1 to BT143/DG8891/DV](#)

Background

Under standardization mandate M/490 on smart grids deployment (published in March 2011 and accepted in June 2011), the ESOs have been tasked by the European Commission to deliver the following by the end of 2012:

1. A technical reference architecture to represent the functional information data flows between the main domains and integrate many system and subsystem architectures.
2. A set of consistent standards to support the information exchange (communication protocols and data models) and the integration of all operators within the system.
3. Sustainable standardization processes and collaborative tools to enable stakeholder interaction, while also ensuring interoperability, security and privacy, etc.

Furthermore, the ESOs have also been asked to investigate standards for information security and data privacy encompassing harmonised high-level requirements.

The ESOs set up a Smart Grid Coordination Group (SG-CG) with four working groups focusing on the main elements of the M/490. In accordance with the calendar agreed with the European Commission, the SG-CG is aiming to present the requested deliverables in the given deadline, i.e. by the end of 2012.

Mandate iteration:

In the light of the discussions held during the last EC Reference Group (i.e. the Expert Group of the EC Task Force on Smart Grid) meetings in July 2012, the need to iterate the EC Mandate M/490 was considered by both sides (EC Reference Group and SG-CG). This frames in the context of Clause 3.4 of M/490 (see extract below), which allows further iterations of M/490.

3.4 Further iterations

If needed, all of the 3 items above will be subject to further iterations, e.g. yearly period. At the end of the period, a revised reference architecture and updated processes and a new set of standards (including newly developed ones) will be available.

According to the Commission services, the iteration of M/490 would allow the continuation of the activities around M/490, without issuing a new mandate (same scope) beyond 2012.

As requested by the Commission, the Smart Grid Steering Group suggested topics that could be considered by the SG-CG beyond 2012. These topics, as agreed during the last CEN-CENELEC-ETSI Smart Grid Coordination Group plenary meeting (held on 2012-10-23) will be discussed at the next EC Task Force on Smart Grid (Steering Group) meeting on 2012-11-29.

- As a main objective of the mandate iteration, the SG-CG wishes to implement the developed methodology, which set up the foundations for managing the continuous engineering and deployment of standards to ensure a real end-to-end interoperability for all generic use cases explicitly including security.
 - A further **refinement of the methodology** should be provided by end of 2013. (under Item 3.1 and 3.2 of M/490)
 - A **set of consistent standards** should complement the "first set of standards" by end of 2014. This will include a prioritization of new gaps and an inclusion in the ongoing work programme of M/490 by end of 2013. (under Item 3.3 of M/490).
- To complement, the existing mandate text, the SG-CG will focus on the following aspects (under Item 3.2 of M/490):
 - A **system interoperability testing method** including conformance testing, "profiles" and "test use cases", should be provided by the end of 2013. The goal is to describe methods and processes on how to evaluate the adherence or 'nonadherence' of interoperability of equipment brought to market within a Smart Grid system, and to deploy such a method on the field. It will be based on the SGAM layers including its SGIS layers.
 - A conformance testing map should be provided by the end of 2013. Conformance tests are tests to evaluate the adherence or 'nonadherence' of a candidate implementation to a standard, i.e., which provides to the user a guarantee that the considered implementation is not against the standard. Getting a conformance testing map will ensure that each selected standard (from the 1st set of standard) is provided with conformance testing tools and respective processes. This map will also raise conformance testing gaps.
 - An assessment of needed profiles (limiting implementation options given by the standards to achieve interoperability), should be provided by the end of 2014. It will embrace the downstream testing methods and processes.

The assessment, relying on a per-system approach, will comprise of a list of selected standards where such approach is already fulfilled or needed, a proposal for market area breakdown (set of users which may have an homogenous set of requirements for implementing the selected standard), and the list of user associations involved/to involve in building-up such profiles. This assessment will be accompanied with recommendations for deploying such an approach (bodies, platforms, ...)

In this context, CEN and CENELEC BTs are invited to agree on the principle of continuing the activities of the CEN-CENELEC-ETSI Smart Grid Coordination Group beyond 2012, and this in line with the suggested M/490 iteration as outlined above.