

5th CEN-CENELEC Annual Meeting: Sustainable Use of Energy

Energy Efficiency Services: how can standardization help their development?

M. De Renzio, Convenor CEN/CENELEC TF 189

A. Panvini, Secretary CEN/CENELEC TF 189

E. Piantoni, Convenor CEN/CENELEC TF 189 PT Energy Efficiency Services



Italian mirror committee UNI-CEI "Energy Management"
Secretariat c/o: Comitato Termotecnico Italiano
www.cti2000.it – panvini@cti2000.it

AGENDA

WHY
a Standard

➤ Why a standard for Energy Efficiency services

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➤ CEN CENELEC Task force 189

EES
prEN 15900

➤ Energy Efficiency Services – prEN 15900

Time to market

➤ Time to market

Why a standard for EES?

Because it's a market need:

- ✓ Customers to recognize the scope, the value and the benefits of EES
- ✓ Suppliers to qualify their EES
- ✓ Policy Makers to comply, support and implement Directive 2006/32/CE and EC action Plan
- ✓ Financial institution to support TPF

Without a standard for EES

Lacking the standard:

- ✓ Customers would not appreciate difference between EES and other energy services
- ✓ Suppliers won't take responsibility of savings from energy conservation measures
- ✓ Policy Makers won't make significant progresses versus national targets
- ✓ Financial Institution: undetermined risk profile

CEN CENELEC Task Force 189

3 Project Teams and 1 Expert group at work:

- PT “Energy Management Systems” (Sw) – prEN 16001
- PT EES “Energy Efficiency Services”(Italy) – prEN 15900
- PT BMI “Benchmarking methodologies in Industry” (Netherland)
- EG EME “Energy Managers and Experts” (Italy) – Feasibility study

CEN/CLC Task Force 189

Participants

- ISO
- CEN
- CENELEC
- Denmark
- France
- Germany
- Finland
- Ireland
- Italy
- Netherland
- Norway
- Poland
- Spain
- Sweden
- Switzerland
- United Kingdom

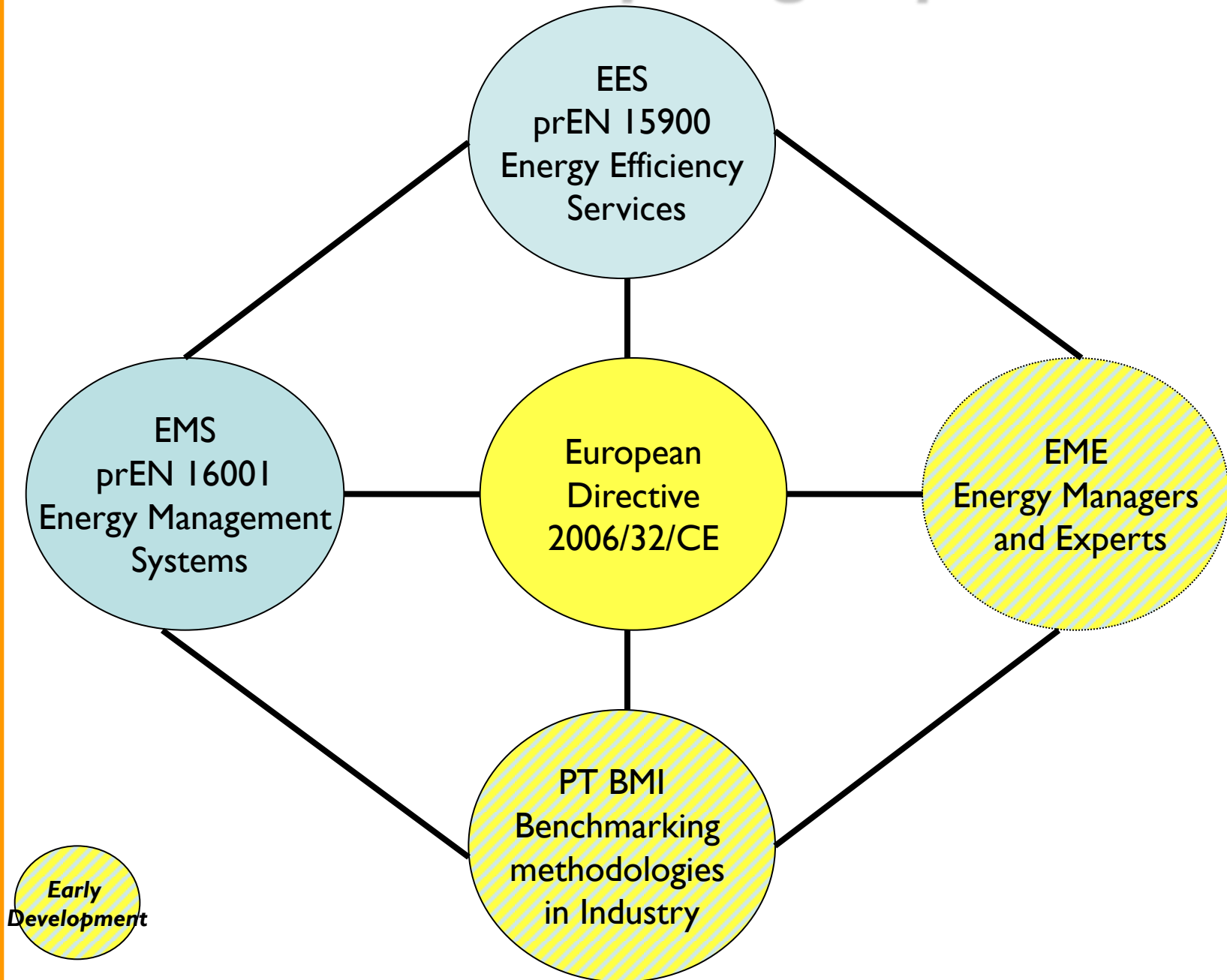
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Time to market

TF189: 3 PT + 1 Expert group at work

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pr EN 15900 EES

- Standard establishes minimum EES requirements
- Standard applies to:
 - ✓ Energy Services Providers to check compliance with minimum requirements
 - ✓ Customers to select Energy Services Providers, enabling an evaluation of quality services offered
- Usefull tool: Check list for EES providers and Customers

EES Essential Requirements - I

- The EES shall meet an **improvement in energy efficiency** whereas meeting **agreed performance criteria**
- The energy EES shall be based on **collected data (baseline)** related to energy consumption and related **adjustment factors**
- The EES shall include identification, selection and implementation of **actions**

EES Essential Requirements - II

- A documented **description** of the proposed or agreed framework for the actions and the follow-up procedure
- Energy Efficiency improvement shall be **measured and verified** to ensure **valid comparison of energy consumption period to period** over a contractually defined period of time

EES Improvement Actions

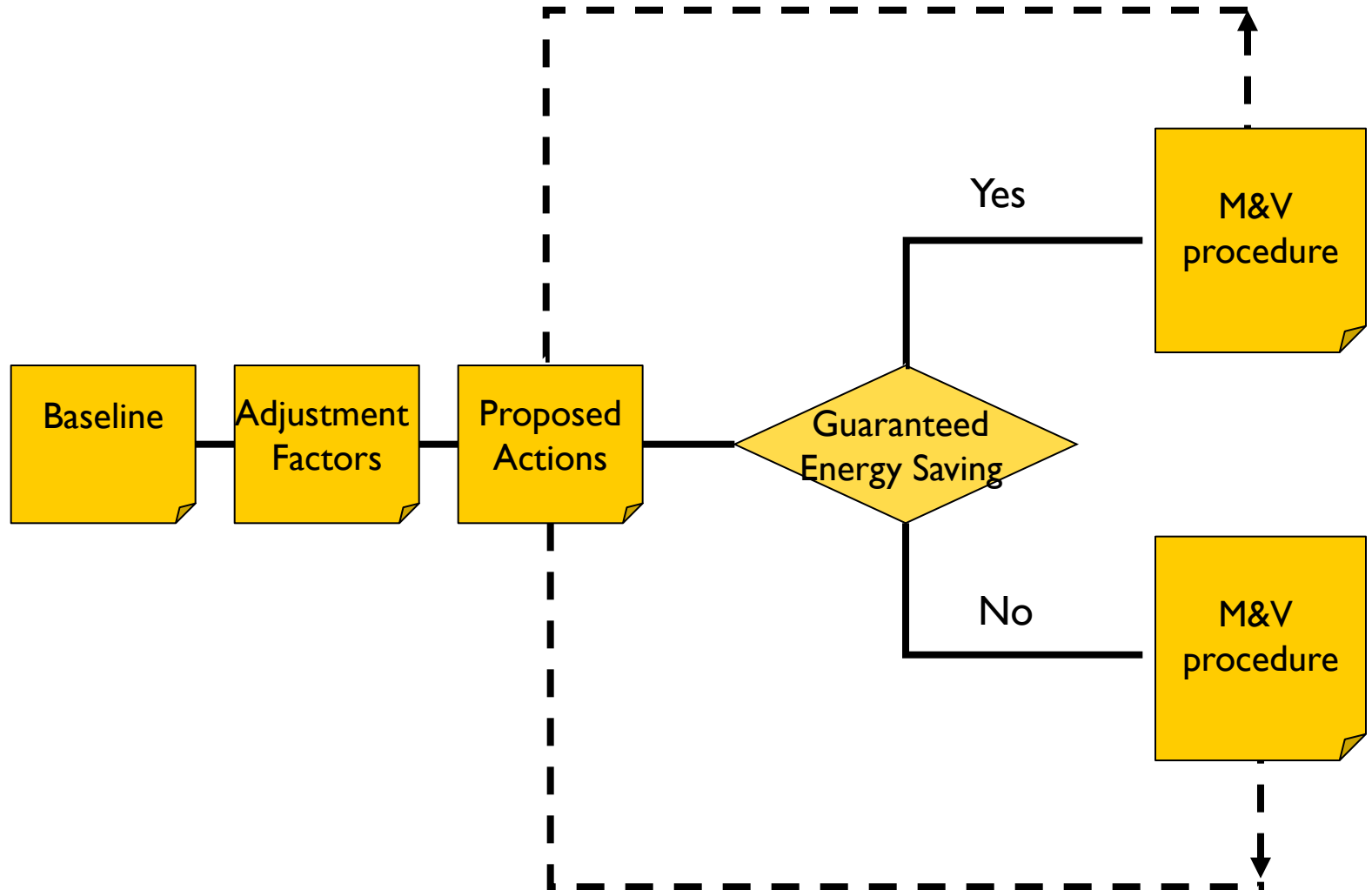
- **Actions to reduce the energy need**
- **Replacement, modification or addition of equipment**
- **More efficient Operation & Maintenance**
- **Deployment of behavioral change programs**
- **Implementation of Energy Management System**

Mandatory description for actions and follow up procedures

- **Baseline** definition
- Proposed or agreed **actions**
- Energy efficiency **improvement shall be contractually defined** with a clear **declaration stating whether:**
 - ✓ the improvement is **GUARANTEED** with the relevant guarantee level
 - ✓ the improvement is **NOT GUARANTEED**
- **Commitment and responsibilities** of parties
- **Verification method**
- **Timeframe** of the above items

Mandatory description for actions and follow up procedures

EES
prEN 15900



Official Time to market prEN 15900

	2008		2009			2010			2011		
	Jan	Nov	Jan	Jun	Sept	Mar	Jun	Aug	Mar	Jun	
First meeting on EES											2008-01-23
Enquiry draft to CEN											2008-11-13
5 months CEN Enquiry											2009-01-29 2009-06-29
Comments review Submission to FV											2009-09-15 2010-06-05
2 months Formal Vote											2010-09-13 2010-11-15
Definitive text availab. DAV											2011-02-15
Date Of Announc. DOA											2011-05-16
Date Of Publicaton (National)											2011-08-15

Adjustable time frame

Strong possibility to have the final text available on September 2010 or earlier.

Time to market

Time is a critical success factors

If EES standard will come late to the market:

- Customers will be hesitant to take decision
- EES Provider will be reluctant to invest
- Policy Makers won't develop national strategy to support EES market (eg: shorter authorization processes, incentives schemes, aso)
- Financial Institution will delay financing

The market is ready, time is now

Thank you

panvini@cti2000.it