

# Energy Efficiency International Terminology , HOW ?

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# EE International Terminology : a spot on HOW ?

*The Why and What being covered previously , now ...*

- What scope shall be covered and how ?
- Inputs from CEN/CENELEC SFEM WG on terminology
- How to proceed at International level ?

# EE terminology : a *large scope* to **organize** and cover *consistently*

*Both horizontal global transverse issues and specific vertical sector based*

- Horizontal – example of transverse issues
  - Energy Efficiency Action Plans at global and national levels
    - example reporting in EU further EU directive 2006/32
  - Energy Efficiency Plans - Businesses & Organizations
    - more and more industries & businesses report on EE on global bases
    - Energy management system : international standards to be released
  - Energy Efficiency Services development
    - Clear common terms critical for confidence and market players alignment
    - Measurement & Verification is critical

# Alignment between stakeholders is critical

*International Organizations – Regulators – Standard writers –  
**Standard Users***

*Horizontal core terms : the minimum and the priority*

- Example of horizontal core terms
  - primary Energy – secondary Energy – final Energy
  - energy efficiency
  - energy management
  - energy performance
  - energy efficiency services

# Verticals : all sectors and kind of energy

**Consistency between sectors - specifics dealt in sectors**

Buildings		Industry		Transportation	Energy Generation
Residential	Non residential	Light	Process		

Electricity
Gas
Heat & Steam
Renewable
Oil
Bio Fuels

**Priorities according to stakes and implementation agenda**

- Building (new & existing ) is critical
- Light industry , Process Industries have long existing experience
- Bio fuels and electrical vehicle for transportation
- Generation efficiency or CCS : longer implementation timing

# Technology & changing environment

## Building example – system approach - innovation

*Yesterday Building = just a consumer according to envelope*

*Today & tomorrow = consumer & producer , able to adapt itself according to internal & external changing conditions*

- Monitoring , Automation & Control open new possibilities
- ICT & Connectivity competitive to optimize building behavior
- Integration of building facilities in a green overall performance
- Electrical Vehicle interface with Building , electricity storage

# Learning from CEN/CENELEC WG

*European WG launched in 2008 , TR release planned mid 2009  
Input made to EE standards under development (TF 189&TF 190)  
Some learning from experience*

- Don't reinvent the wheel , however consider actual context
  - Regulators, Communication inflation, Implementation=priority
- All stakeholders , however priority to doers
  - KIS , Compromise , Standards = implementation accelerator
- Concepts first , don't jump to terms & def without concepts consensus
  - ISO 704 value , initial investment on concepts = efficiency
- Group terms with logic and use diagrams
  - Give clarity and facilitate consensus
- Concentrate on core & transverse , more specific in sectors
  - Priority , competency , consistency

# A frame to progress : IEC/ISO JWG

*ISO SAG E & IEC SG1 : same recommendation on need for JWG , endorsed by ISO TMB & IEC SMB*

*AFNOR issued a NWIP proposal in Dec 2008*

## ● Key steps

- Getting approval from NSO further consultation launched : H1 2009
- Call for experts and JWG kick off : Q3 2009
- International standard available : before mid 2012

## ● Key Issues

- Start scanning existing standards , regulations , best practices, publications
- Establish strong liaison with IEC-ISO TC's and possibly ITU for ICT
- Establish liaison with int key org : IEA , APP , World Bank ...
- Use terminology framework standards (ISO 704 ,ISO 860,ISO 1087)
- Identify key concepts as well as conflicts ( between TC's , Regulations,...)
- Propose terms and def for a set of concepts in international standard

# EE International Terminology , how ?

## *In a nutshell*

- Approve NWIP and kick off JWG ASAP for a real start
- Involve key international organizations
- Be proactive with regulators , beyond standardization
- Include innovation and changing environment
- Prioritize , Keep it simple
- Compromise having in mind implementers – doers