

HarmonHy conference

Status of activities on Mandate M/349

Harold Pauwels,
NEN Energy Resources
Netherlands Standardization Institute (NEN)

October 4th 2006

NEN

- the Dutch standardization body
- member of ISO/IEC and CEN/CENELEC
- 5th largest institute in ISO and CEN
- Non-governmental foundation

Involvement in EU Research programmes

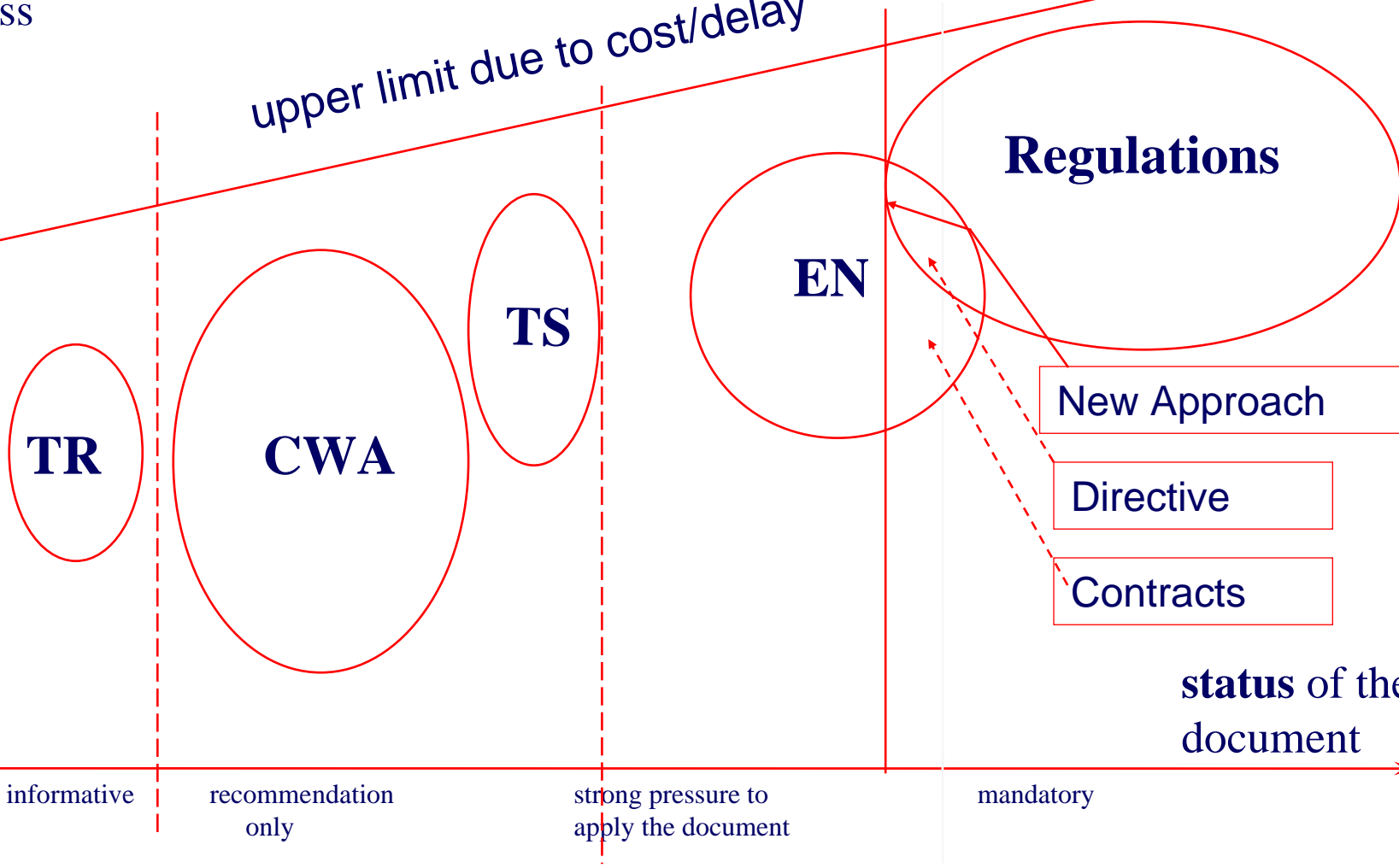
- 5th Framework: NaturalHy (NG and hydrogen)
- IEE: BIET (ethanol) & Biofuels Cities (biofuels)
- 6th Framework: FCTEDI (Stationary fuel cells)

CEN products - status

openness of the process

upper limit due to cost/delay

not publicly available



Regulations

EN

TR

CWA

TS

New Approach

Directive

Contracts

status of the document

informative

recommendation only

strong pressure to apply the document

mandatory

company standards

Mandate M349

Adressed to CEN, CENELEC and ETSI

Elaboration of a feasibility study in the area of Hydrogen and Fuel Cells

Objectives

- **Areas, processes and interfaces where standards can be of support**
- **availability of stakeholders in EEA**
- **appropriateness of (new) standardization**
- **priorities and roadmap of EC contribution to EU standardization**

Mandate 349

SDO's Projectteam



(FR) A. Khémili and G. Boudière



(NL) H. Pauwels and O. Costenoble



O. Maitane (CEN Contact)

Delayed EC agreement, Start Nov 2006



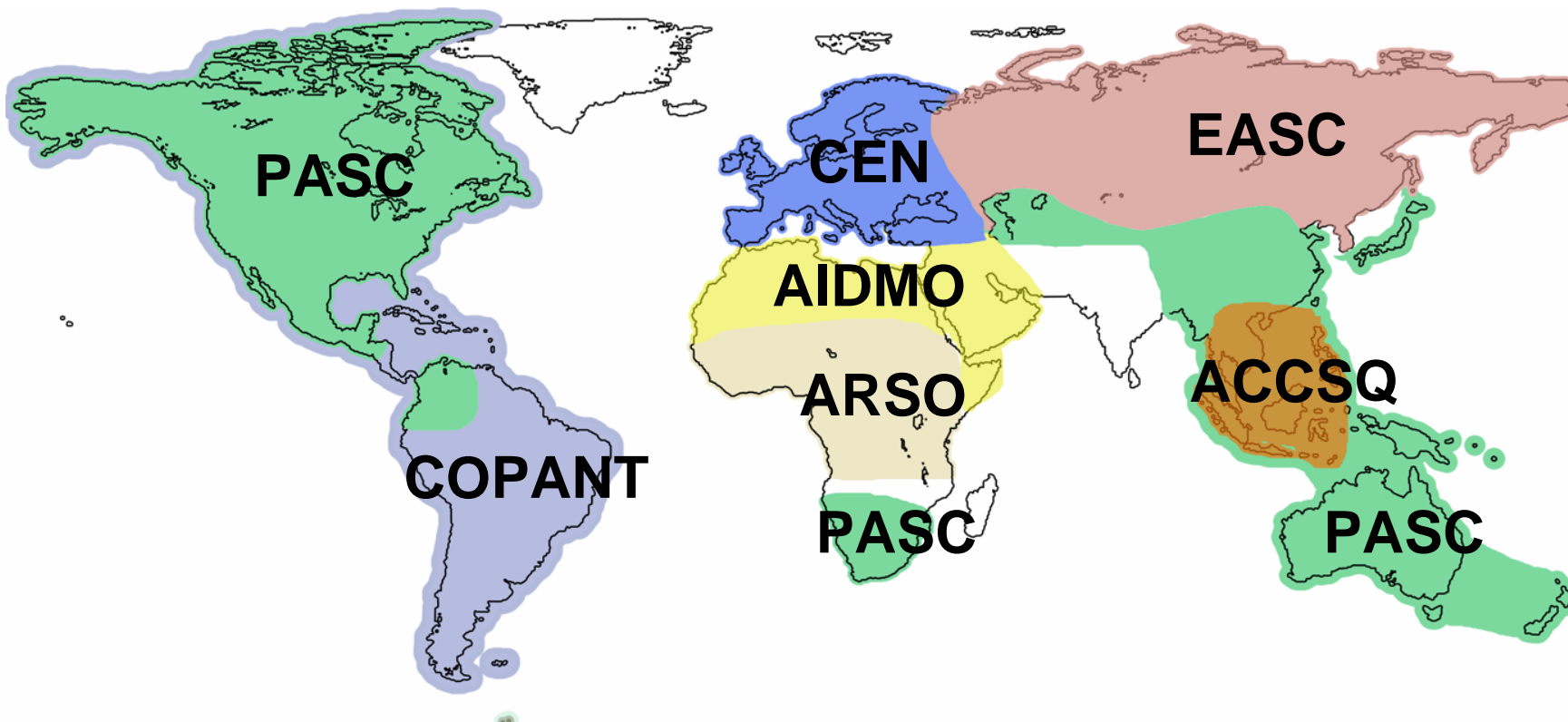
Deliverables/milestones

Phase	How
Current ongoing standardization technology	Desk research NSB enquiry
Needs for standardization / potential to disseminate deployment of HF/FC technology	Users sectors enquiry Postal enquiry
Areas where standards can be of support	Experts interviews
Availability of stakeholders	Users sectors enquiry Experts interviews Collective Meetings
Appropriateness of formal standards	Users sectors enquiry Experts interviews
Recommendation for further priorities	Analysis & Synthesis
Final report (advice) + initiation procedural steps	

Mandate M/349 - Added value

- **Based on research available (No duplication!)**
- **European SDO's view**
- **Global and general – ALL sectors**
- **Existing standards + needs (consult ISO/CEN TC's)**
- **Identify gaps**
- **Advise on practical/procedural CEN(ISO) steps**
- **Availability stakeholders**
- **Future standards**
- **EU level**
- **No standards preparation**

All regional SDO's cooperations





Global enquiry via our network

- **WTO**
- **UN and UN agencies: CODEX, ILO, IMO, ITC, UN/ECE, UNIDO, WHO, WTO-OMT**
- **591 liaisons between international organizations in technical work**
- **Links between all regional bodies (ACCSQ, AIDMO, ARSO, CEN, COPANT, EASC and PASC**
- **Economic actors: Accreditation: IAF and ILAC, Consumers International, ICC, IFAN, World Economic Forum, etc...**

M/349

What	Who
NSB/SDO enquiry	CEN, CENELEC, ETSI, ISO, IEC, ITU ISO/TC 197, IEC/TC 105, ASME, SAE,...
User sectors enquiry	Building/construction, electronics, energy supply, railways, ANEC, ECOS, Automotive,...
Collective Meetings	Building/construction, electronics, energy supply, railways, ANEC, ECOS, Automotive,...
EU Experts interviews	JRC, FP5/FP6-project leaders, European industry leaders,...
Experts interviews international	Canada, China, Japan, USA, ...



Interested?, we will keep you informed if..

What	Who
<p>Provide your business cards</p>	
User sectors enquiry	Automotive, building/construction, electronics, energy supply, railways, ANEC, ECOS
Collective Meetings	Automotive, building/construction, electronics, energy supply, railways, ANEC, ECOS
EU Experts interviews	JRC, FP5/FP6-project leaders, European industry leaders

Mandate M349

Thank you for your attention

Room for questions!

Your contacts

NEN: Harold.pauwels@nen.nl

NEN: Ortwin.costenoble@nen.nl

CEN: Maitane.olabarria@cenorm.be