

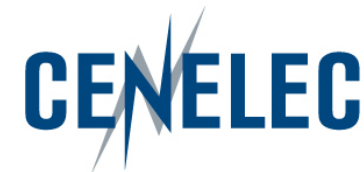


Stakeholder workshop

EC-ESOs Task Force

'Timely European standards for a Green and Digital, Single and Global Market'

*We start at
14:00 CET*



CONNECTING THE EUROPEAN STANDARDIZATION STRATEGY AND THE TASK FORCE "TIMELY EUROPEAN STANDARDS FOR A GREEN AND DIGITAL, SINGLE AND GLOBAL MARKET"

*The European Standardization Strategy - Gwenole COZIGOU, Director DG GROW H, European Commission
Connecting the European strategy with the ESOs work – Elena SANTIAGO CID, Director-General, CEN
and CENELEC*



CENELEC



EU Standardization Strategy & the European Standardization Organizations – CEN, CENELEC, ETSI

EC-ESOs Task Force Workshop
2 March 2022

CEN and CENELEC Strategy 2030 + the European Standardization Strategy



1. EU and EFTA recognize and use the strategic value of the European standardization system

Leveraging the European standardization system – to deliver on the twin green and digital transition and support the resilience of the single market



2. Our customers and stakeholders benefit from state-of-the-art digital solutions

The way ahead – standards of the future should move from texts to machine-readable formats



3. Increase the use and awareness of CEN and CENELEC deliverables

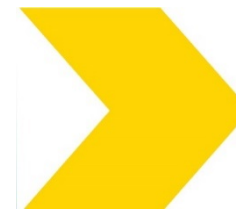
Upholding the integrity, inclusiveness and accessibility of the European standardization system



4. The CEN and CENELEC system to be the preferred choice for standardization in Europe

Ensuring future standardization expertise – the need for education and skills

Cutting-edge innovation that fosters timely standards



5. Strengthen our leadership and ambition at the international level

Global standards-setting: supporting the EU's leading position as a forerunner in key technologies and promoting EU core values

Strategies: CEN+CENELEC & ETSI



CENELEC



Timeframe

Strategic Directions

Strategic Goals & Priorities



Policy Trends

Industry sectors and the role of standards

ICT and its role in society

Circular economy
Energy efficient solutions

Players & their roles

SMEs Learning, education & skills

Global level

UN's 2030 agenda for sustainable development
European level development

Challenges to global collaboration

Socio-economic Trends

Open innovation & collaboration

Photonics

A new wave of computing capabilities

Security & Privacy

Applicability of quantum mechanics

Roles of hardware & software

Virtualization & Clouds

Technology Trends

Activities in support of EU's Standardisation Strategy - To build a stronger Europe

- Policy & Regulation
 - Inclusiveness
 - Outreach
 - Technologies
- Bridging Research & Standardization
 - Methods & Organization
- Skills and Education

Being at the Heart of Digital

Being an Enabler of Standards

Being Global

Being Versatile

Being Inclusive

EC Standardization Strategy key points for ESOs



A call to all stakeholders to contribute to European & international standardization and work with the ESOs

High-level Forum and Chief Standardisation Officer bring standardization to unprecedented strategic level in Europe – together with stakeholders

Standardization to become a strategic policy tool – not only technical implementation

Standardization brought to strategic level for policy makers

Increased attention from all stakeholders, including societal & SMEs, academia, universities, innovation hubs

More experts, more resources, clearer rules, improved coherence and coordination, better European & int'l standards

Strengthened Single Market
Improved global market access

Standardization at the heart of the Single Market

Connecting CEN, CENELEC, ETSI work with the EC-ESOs TF Workstreams



Workstream 2 :
Operational
Improvement

Workstream 1:
Strategic Alignment

Output: Action Plan

WS 2 – CEN & CLC

BT/WG 12

Training & Webinars
on hENS

HAS interface & IT tools

Guidance Documents & checklists for TCs

Daily exchanges with **Desk Officers**

WS 2 – ETSI

Review of the SR handling process to

- * Inform Annex III organizations as soon as a SR is submitted to ETSI for adoption;
- * Inform Annex III organizations as soon as a SR is adopted by ETSI;

Review of the ENAP, and corresponding IT tools to

- * Allow Annex III organizations to submit their comments (if any) during the Public Enquiry, directly to the ETSI Secretariat;
- * Make the overall process shorter

Note: proposals for changes to be submitted to ETSI membership

WS 1 – CEN & CLC

IAF – industry strategic connection with standardization

STAIR & PSIS – foresight (hydrogen, quantum, AI & ethical data ...)

European Policy Hub (**EPH**)

Stakeholder Workshops on priority sectors (industrial data, climate action ...)

Contribution to **Expert Groups & Alliances**

WS 1 – ETSI

Direct membership > connection with market players constant + industry & public sector on a par level

TREND & RISE @Board level

Regpoles – Board level again

3SI programme

NEW - Board sub group on inclusiveness

Innovators
„Technology“

Decision Makers
„Strategy“

What is coming?

What to prioritize?

support

validate

Policy Makers
„Regulation“

Private Economy
„Business“

Standards
offering

Standard Users
„Making lifes easier, safer and better“



Thank you for
your attention!

www.etsi.org

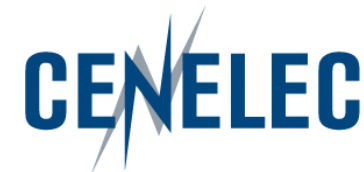
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WS 1 STRATEGIC ALIGNMENT- FIRST STEPS ON HYDROGEN PILOT

Henning EHRENSTEIN, Deputy Head of Unit, Energy Intensive Industries - Raw Material, DG GROW, European Commission

Bernard GINDROZ, Chair of the CEN-CENELEC JTC 6 'Hydrogen in Energy Systems'



Stakeholder Workshop on
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WS 1 Strategic Alignment First Steps on Hydrogen Pilot

by

Dr. Bernard GINDROZ

Chair of CEN-CENELEC SFEM WG Hydrogen

Chair of CEN-CENELEC JTC 6 Hydrogen in Energy Systems

Aware of the EU context, EU commitment and objectives

Standardization, enabler towards meeting EU targets

Vision-Strategy-roadmap:

- The European Green Deal
- EU Policy alignment: Fit For 55
- Innovation

Standardization:

- Boosting Innovation to Market
- Harmonization through out Europe (34 countries)
- Access to a market of 600+ Million consumers



1 EN standard replaces 34 different national ones

Anticipation – collective engagement – open platform

CEN-CENELEC Sector Forum Energy Management-Energy Transition – WG Hydrogen

- Open platform since 2015
- Publication of reports
- Priority consideration about EU & global standardization activities

Pathways to Improvement



Setting Cooperation/collaboration at an early stage

CEN-CENELEC: Synergies and complementarities through active cooperation with major stakeholders

CEN-CENELEC SFEM WG Hydrogen and CEN-CENELEC JTC6 Hydrogen in Energy Systems

Numerous strengthened collaborations, beside liaison with other CEN-CENELEC TCs, such as with :

- ✓ **European Commission** (i.e. DG ENER, DG MOVE, DG GROW)
- ✓ **JRC**, EC Joint Research Center (Petten)
- ✓ **FCH-JU (CH-JU now)**, Fuel Cells and Hydrogen Joint Undertaking
- ✓ **Hydrogen Europe**
- ✓ **ISO** (i.e. ISO TC 197, ISO TC 268)
- ✓ **IEC**
- ✓ **Gas sector (Blending NG)**
- ✓ **Application sectors**



**FUEL CELLS AND HYDROGEN
JOINT UNDERTAKING**



Collaborative mapping exercise towards consensual prioritisation of needs and gaps

- **mapping** of
 - hydrogen-energy related issues and challenges
 - existing standardization initiatives
 - **needs and gaps** in a holistic manner
- **Recommendations** to :
 - Improvement of the legislation/regulation framework
 - Support to RD&I towards maturity of technologies and values chains – EU funded programs & calls for proposal
 - Support to Pre-Normative Research towards paving the way to standardization development (anticipation)
 - New standardization development
- **Platform for exchange and coordination - continuity**
on hydrogen research, legislation evolution/EU strategies, pre-normative research and standardization

Agreement about scopes/domains to be considered

Example

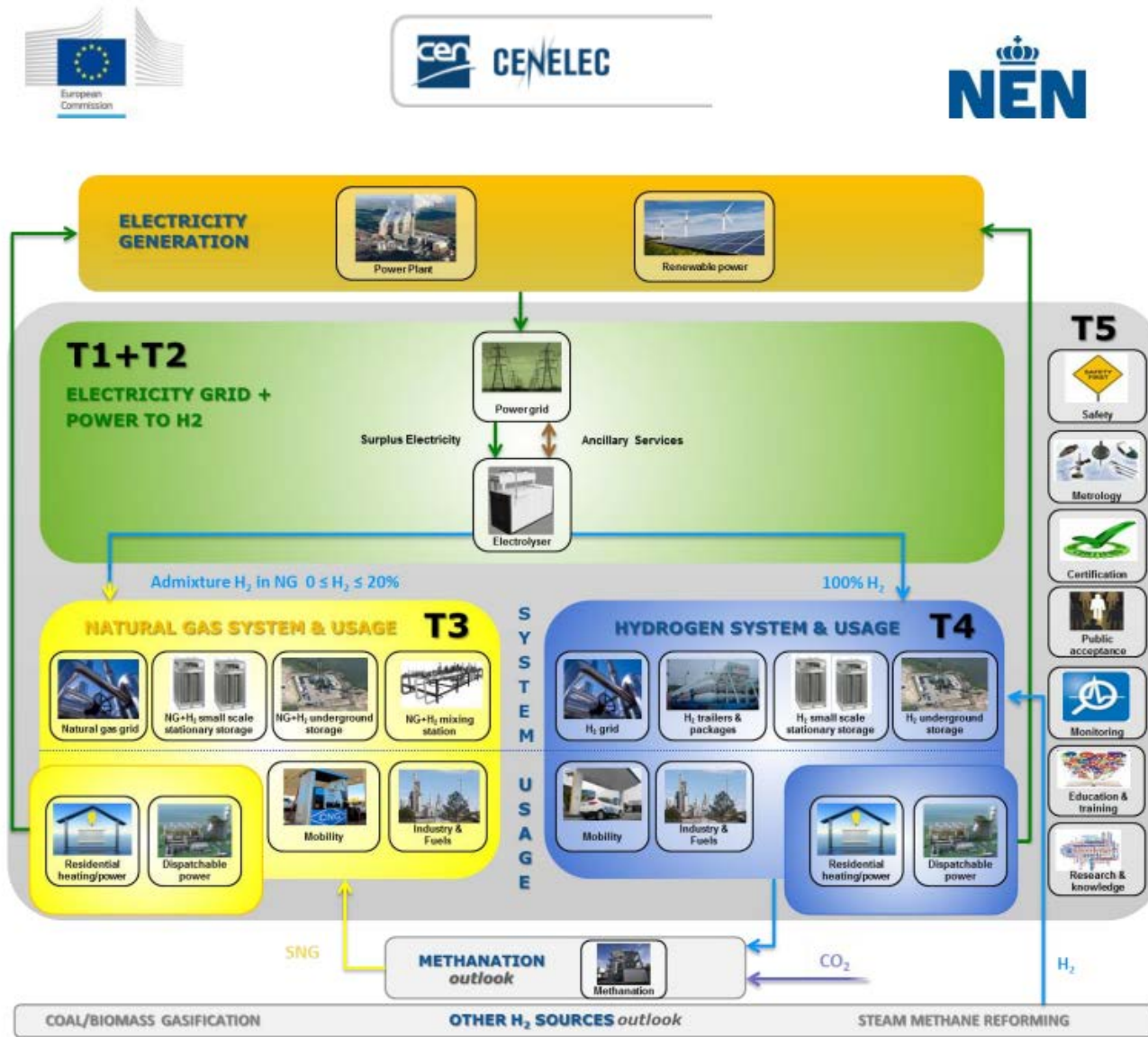


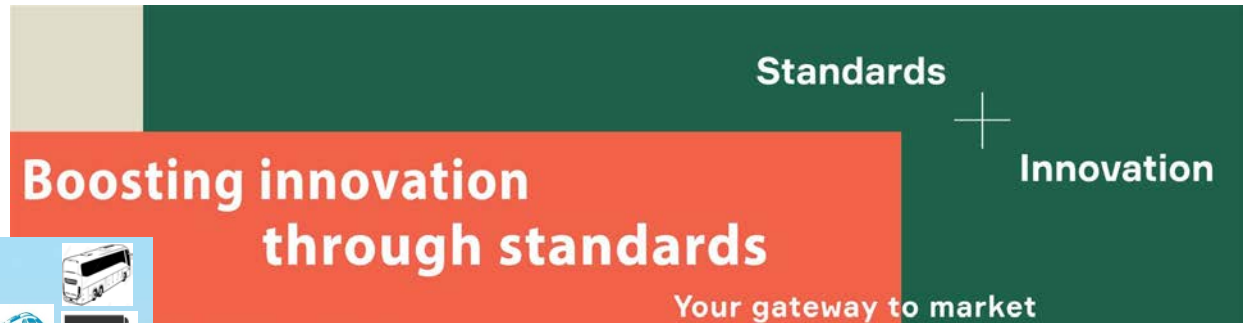
Figure 1 Scope of work of the CEN-CENELEC SFEM WG Hydrogen

Flexibility towards accelerating innovation to market

CEN-CENELEC SFEM/WG hydrogen:

CEN-CENELEC SFEM WG Hydrogen:

- ✓ JTF Industry needs on hydrogen quality
 - ✓ WS maritime (Feb 2022)
 - ✓ WS Liquid Hydrogen (Feb 2022)
 - ✓ WS Heavy Duty vehicles (Feb 2022)
 - ✓ WS Aviation
 - ✓ WS Trains
 - ✓ WS decarbonization capacity of hydrogen incl. environmental benefit
- in support of Green Deal and Fit for 55 objectives and roadmaps,
.... in support of industry competitiveness



Conclusions and perspectives

Standards are key enablers to ACCELERATING INNOVATION TO MARKET

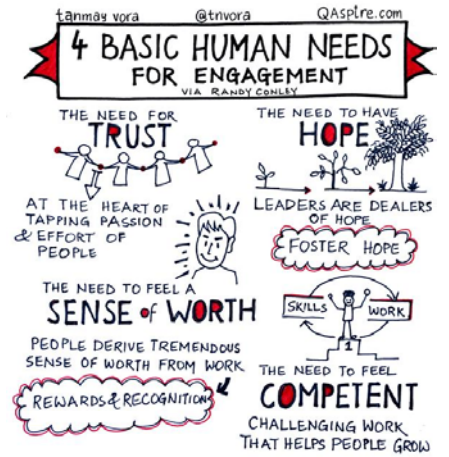
✓ They bring **TRUST & CONFIDENCE**, and thus, acceptance and engagement

Standards are key support to DECISION MAKING

✓ They support confidence in decision making, thanks to benchmarking of best practices, robust technical references & guidance, and management systems

Standards are key support to INVESTMENT DECISION

✓ They contribute to de-risking investment, thanks to alignment of understanding among stakeholders, setting reference framework & solutions, results oriented engagement



Conclusions and perspectives

***COLLABORATION AND COOPERATION
between all stakeholders:***

Key to successful development of standards





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Dr. Bernard GINDROZ

Chair of:

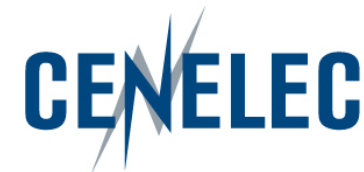
CEN-CENELEC SFEM WG Hydrogen

CEN-CENELEC JTC 6 Hydrogen in Energy Systems

gindrozb@bmg-consulting.eu



REACTIONS – OPEN DISCUSSION



WS 2 IMPROVEMENT OF OPERATIONAL MATTERS

Frédéric VAILLANT - CENELEC Vice-President Technical

Neviana NIKOLOSKI – Chair of ETSI GA

Gwenole COZIGOU, Director DG GROW H, European Commission

Panel discussion with the speakers

Workstream 2

Improvements on operational matters

Workstream 2: scope

Improvement of operational matters

Objective to have:

- a) Smooth process for Standardization requests drafting
- b) Quick availability of standards and European standardization deliverables facilitating compliance with legislation or to support EU policies;
- c) Timely citation of standards by the EC.

To consider

- Connection with “Workstream 1” on Alignment of European policies, business priorities and standardization on strategic sectors
- Be prepared before the Standardization request (SR) process starts !
- How to sort out the legal issues
- Understand the standardisation process as a fluid, agile process
 - Early communications & consultation,
 - Create a mutual understanding,
 - Find acceleration measures

Process stages and issues

The ESOs and European Commission representatives identified and shared the list of issues related to the whole life cycle of the harmonised standards, i.e. related to:

1. Preliminary stage (when a criticality is discussed, before the SR drafting)
2. SR drafting
3. SR execution: standards development and approval process, including assessment
4. Citation process
5. Maintenance

General overview

Timely and most effective contributions
EC prerogative
Late contributions
ESOs' process

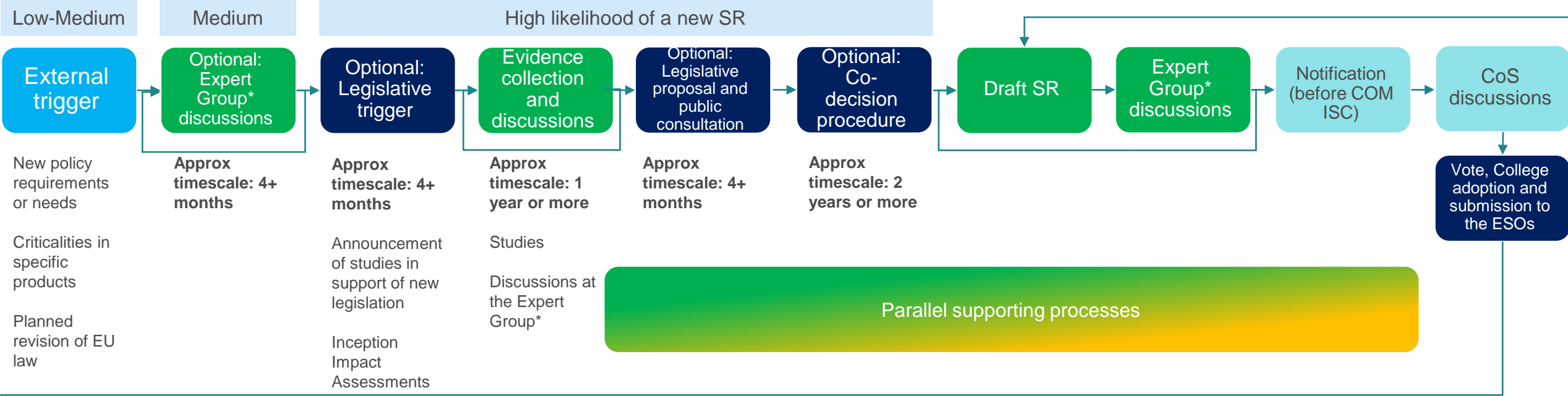
* or equivalent other group

Appearance of the SR in the AUWP (typically in Q4)

Preliminary discussions: 1-4+ years

Drafting: approx 8-12+ months

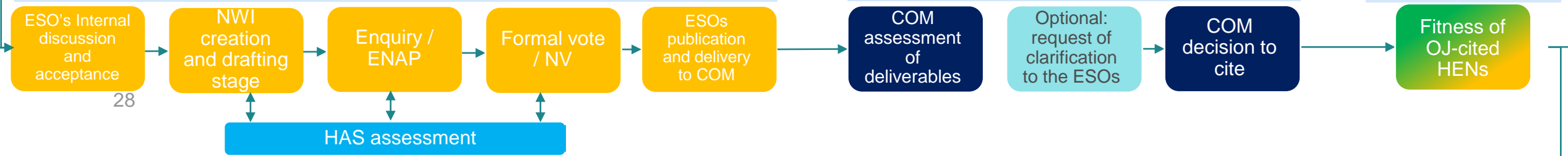
Decision



Execution stage

Assessment and citation

Maintenance



Areas to look – how can we overcome the issues?

1. Better communication between parties to have a good mutual understanding on the common work to identify issues early on and during the process
2. Capacity building
3. Identify possible early acceleration measures: mitigation/consultation/problem solving mechanisms between the ESOs and European Commission
4. HAS consultants – improving the system for both sides
5. Inter-operability – bringing the respective IT systems better in line

Overall agreements

The Task Force, at the end of its mandate, will approve the full package of identified measures & recommendations.

So far, overall agreement has been reached on the following stages:

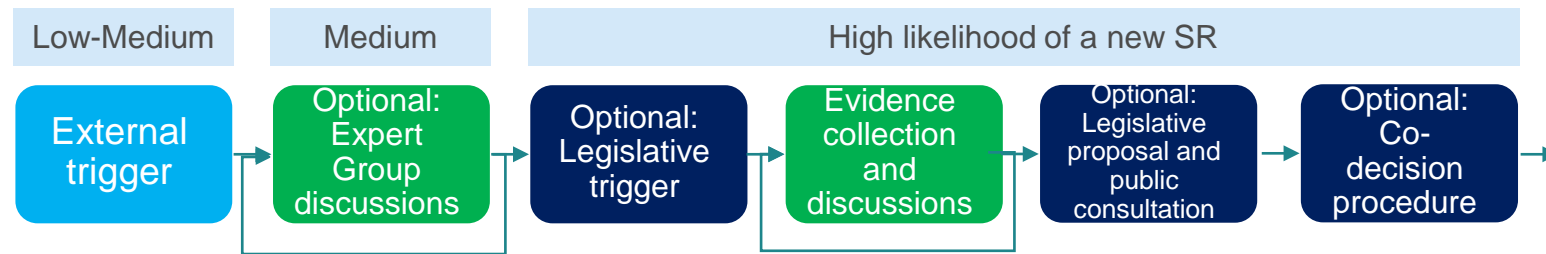
- Preliminary stage
- SR drafting

Still to finalise the SR execution, citation and maintenance

Preliminary stage

Preliminary stage

Preliminary discussions: 1-4+ years



New policy requirements or needs

Criticalities in specific products

Planned revision of EU law

- ✓ Centrality of the Expert groups (or similar groups), managed by the EC as a guarantee for openness, inclusiveness and transparency

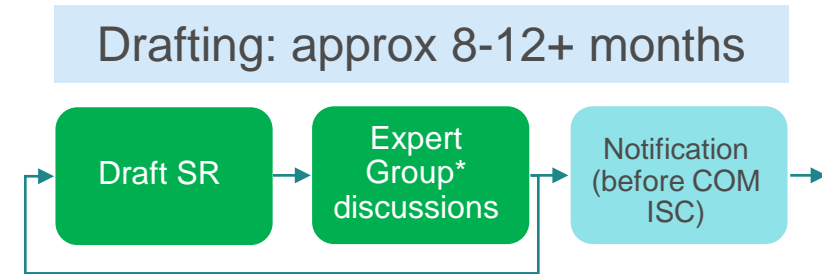
Ensure exchange and common understanding on new criticalities and how they will be tackled in the upcoming SR

- ✓ EC to ensure setup and smooth functioning of these kinds of group
- ✓ ESOs to ensure early systematic involvement along with the other stakeholders

SR drafting

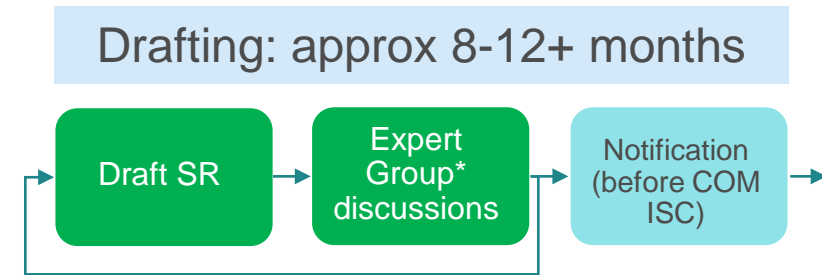
Drafting SR I

- ✓ EC's ownership for SR drafting with sound consultation of stakeholders (eg. Expert group)
- ✓ The SR template, introduced by the Commission in 2018, will be applied
 - The EC will ensure adequate internal resource to amend/update the SReq when necessary (e.g. new standards to be added, amended deadlines and expiry date).
 - The EC will recommend an expiry date of at least 12 months after the last deadline for the delivery of requested standards.
- ✓ List of requested standards: to be drafted in agreement between EC and ESOs, after consultation with Annex III and all other relevant stakeholders
- ✓ Deadlines for standards delivery: to be decided by EC, after consultation with all relevant stakeholders and in consideration of ESOs' comments on their actual feasibility



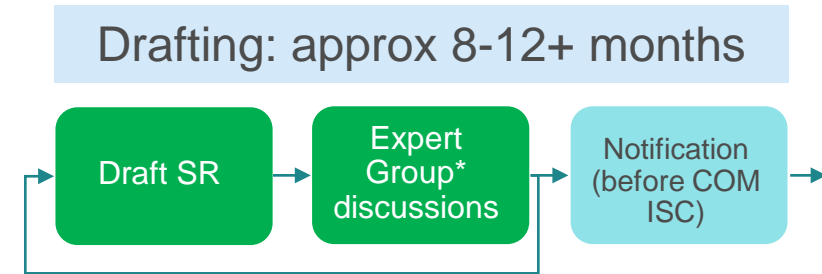
Drafting SR II

- For legal requirements, a distinction is made:
 - strictly linked to underlying legislation (Essential Requirements under NLF):
 - EC decision
 - requirements within other NLF legislation(s):
 - EC decision
 - legal requirements and conditions beyond underlying legislation (other than ER and from non-NLF horizontal legislation):
 - insertion decided by EC, after consultation with the ESOs and other stakeholders and with explanation of the rationale for those requirements. Where appropriate and upon request, EC will provide **explanations in writing** in order to serve as reference document for HAS consultants and standardization experts



Drafting SR III

- ✓ ESO(s) check on critical elements for SR feasibility and exchange with COM on potential clarifications/improvements
- ✓ CoS Chair & secretariat: role and involvement for any persistent issue in drafting the Standardization Request
- ✓ Synchronization of funds with SR: when SR covers EC priorities, based on the gap analysis and previous drafts of the proposed AGs, the ESOs to submit to the EC a final proposal for action grants just after CoS approval.

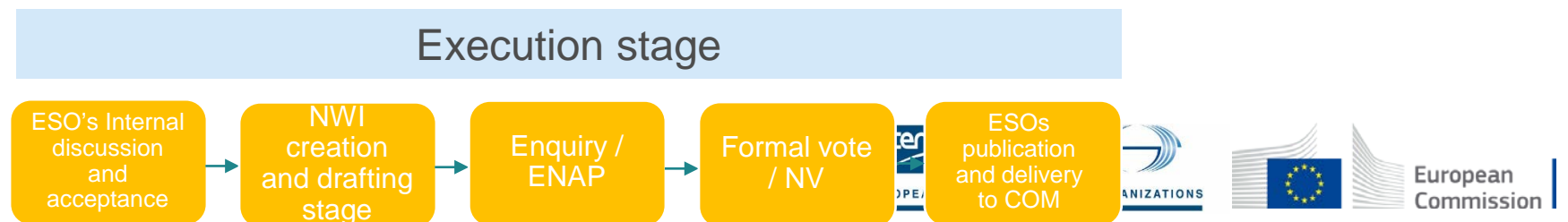


Currently under discussion

SR execution

- ✓ ESOs' ownership for SR execution
 - To ensure that relevant TCs are aware of and trained on
 - ✓ legal and policy backgrounds;
 - ✓ discussion in Expert group
 - ✓ resolution of issues (so to prevent their recurrence);
 - To define/improve internal quality check (e.g. checklist)

- ✓ EC's support, e.g. availability to
 - organise a presentation to relevant TCs on the legal/technical expectations in the SR;
 - assess matters that have not been already clarified before and to provide specific support on new matters

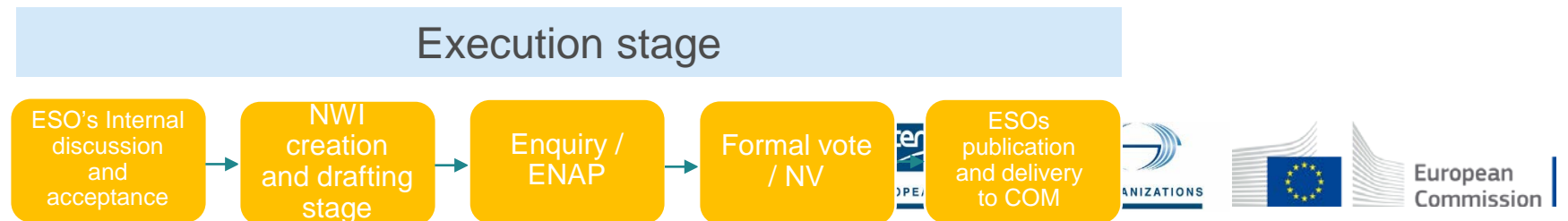


Assessments

✓ Elements below are already included in the call for new HAS system contract:

- Increase of budget: from 2200 person-days per year for HAS Consultants services to 3400 (ca. 55% more) – allocation among sectors
- Better vertical/horizontal coherence of the assessment
- More communication and meeting participation: from 20% to 25% (maximum)
- Introduction of feedback mechanism (in case of negative assessments at FV)
- Introduction of a new task for the contractor: Communication and information to the Technical Bodies of the ESOs and to the Commission services, in order to train and explain the beneficiaries of the system on its functioning
- Introduction of “conditional compliance” assessment result option

✓ To improve vertical/horizontal coherence of the assessment



Next items for discussion

Main items

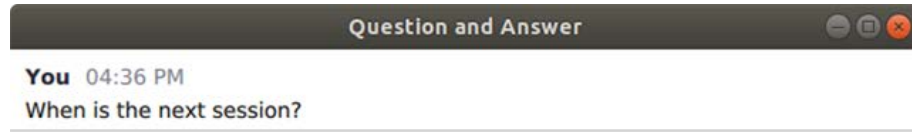
- ✓ Other aspects of standards development process and HAS assesment
- ✓ Possible ESOs fast track procedures to address shortcomings that would block or delay the citation, identified at a later stage
- ✓ Citation process
- ✓ Maintenance of all processes
 - Periodical review of cited standards
 - Amending SRs
- ✓ Better alignment and improvement of IT tools



REACTIONS – OPEN DISCUSSION

Question time

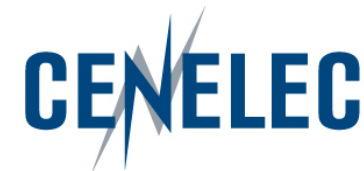
▶ Use the Q&A panel to submit your questions



Type your question here...

Send anonymously

Send



LOOKING FORWARD AND NEXT STEPS

Elena SANTIAGO CID, Director General, CEN and CENELEC

Gwenole COZIGOU, Director DG GROW H, European Commission



Thank you for your participation!