European Standardization Organizations

CEN-CENELEC IT projects - Status

2021-05-11 Webinar

1. INTRODUCTION (Eric)

Communication on IT projects

- **IT projects plan status** Online:

    Link: https://www.cencenelec.eu/itprojectplan

    Password: ccmc

- **2021-05-11:   IT project plan status - Webinar**

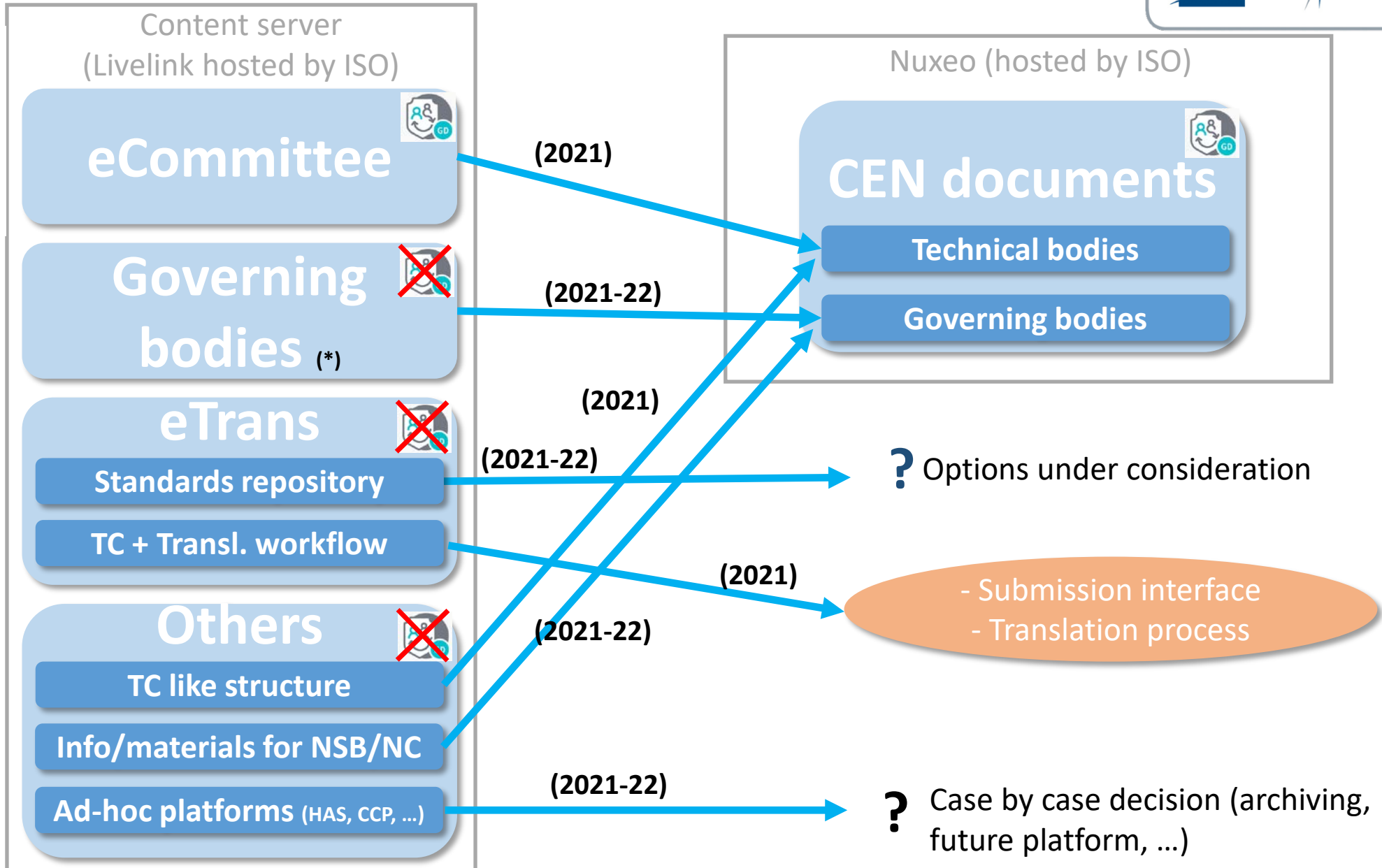- **2021-11-??:   IT project plan status – Webinar**

- **Presentation available from:**
    https://www.cencenelec.eu/aboutus/ourservices/Training/ITtools/Pages/default.aspx

2. PROJECTS STATUS

2.1 CEN - Replacement of Content server/Livelink (Eric)

Replacement of Content server (Livelink)

CRITICAL

Content server
(Livelink hosted by ISO)

eCommittee

Governing bodies (*)

eTrans
- Standards repository
- TC + Transl. workflow

Others
- TC like structure
- Info/materials for NSB/NC
- Ad-hoc platforms (HAS, CCP, …)

(2021)

(2021-22)

(2021)

(2021-22)

(2021)

(2021-22)

(2021-22)

Nuxeo (hosted by ISO)

CEN documents
- **Technical bodies**
- **Governing bodies**

? Options under consideration

- Submission interface
- Translation process

? Case by case decision (archiving, future platform, …)

(*) CEN and joint governing bodies

2.2 CEN – eCommittee (Tamara)

From eCommittees… to … CEN Documents

CEN Documents – Main Benefits

▶ "SD Docs" : Common environment for all CEN and ISO committees → Coherent user experience at all levels
  ➢ no more AFNOR, DIN specific hosting

▶ New technology (Nuxeo, ElasticSearch, …)
  ➢ Modern User Interface
  ➢ Greatly enhanced Document Search tool

▶ New / Improved features :
  ➢ Improved metadata handling on N-Documents
  ➢ Links to other Apps in metadata (Balloting, Meetings, Projects)
  ➢ Pdf rendition (Word, Excel, Powerpoint, …) + on-line Preview
  ➢ Bulk Upload
  ➢ …

CEN Documents – Status + Figures

▶Committees migrated (Active and Dormant)

2063 Groups (431 TCs, 60 SCs, 1572 WGs) in 3 chunks :

- ➢ Chunk 1 :   9 March
- ➢ Chunk 2 : 30 March
- ➢ Chunk 3 :   4 May

▶ Users :   62.000 (ISO) + 24.000 (CEN)

▶ 845.000 Documents

▶ Feedback :

- ➢ + Integration CEN+ISO and Search features
- ➢ - Some synchronisation issues for AFNOR and DIN Committees

CEN Documents – Next Steps

▶ Finalize Committee migration (mostly AFNOR and DIN)

- ➤ missing documents
- ➤ specific subfolders
- ➤ folder structure alignment

▶ Integration with CEN Projects (reference in Projects Document)

- ➤ coming soon

▶Disbanded committees (assessment started by ISO and CEN)

Total Disbanded committees	1 684
Disbanded committees with at least 1 document	402
Disbanded committees at least 1 document > 2015	196
Total Number of Documents	40 617

Livelink replacement– Next Projects

▶ Target for end of Content Server (Opentext) : 2023

▶ Governance Groups migration Project : 2021
- ➢ Same platform as Technical Committees (some modifications)
- ➢ ISO Pilot project launched
- ➢ CEN analysis project started

▶ Non-technical groups, Policy Groups, Task Forces, BTWG, … : 2021
- ➢ Analysis started
- ➢ target = CEN Documents (+ possible adaptations)

▶ Specific platforms (e-Trans, HAS, Cost Control, …)
- ➢ Analysis started to define best evolution path

2.3 CENELEC – Meeting registration system (Anna)

CENELEC Meeting registration system

▶CENELEC requirements (as approved by members) provided to IEC on 2019-11-26

▶Project is in analysis by IEC

▶Idea to create a reference group with participants of IEC, CENELEC, ISO and National Committees

▶Aim to deliver an approach by Q4/2021

2.4 CENELEC – Expert Management System new release (Anna)

CENELEC Expert Management System

▶ IEC postponed start the development on a new Identity Management System to 2022, which will replace the current Expert Management System (EMS)

▶ CENELEC requirements have been approved by BT.

2.5 Sustainable Development Goals (SDG) (Anna)

Sustainable Development Goals (SDG)

▶European Standards supporting the Sustainable Development Goals of the UN2030 Agenda

▶Consider SDGs during the development of a European Standard

▶Develop and apply an approach to demonstrate whether a specific European standard supports one or several SDGs

Sustainable Development Goals

Sustainable Development Goals (SDG)

▶BT decision – BT N 12280

▶Create a link between CEN and CENELC work items and SDGs
   ▶Working area
   ▶Projex Online

▶Make information publicly available
   ▶CEN and CENELEC websites

▶Project start by Q2/2021
▶Delivery foreseen by Q4/2021

Sustainable Development Goals (SDG)

▶Working Area
  ▶New question in the form for certain types of decision

xx. Standard Development Goals

This future standard contributes to the following Sustainable Development Goals:

- ☑ GOAL 1: No Poverty
- ☑ GOAL 2: Zero Hunger
- ☑ GOAL 3: Good Health and Well-being
- ☐ GOAL 4: Quality Education
- ☐ GOAL 5: Gender Equality
- ☐ GOAL 6: Clean Water and Sanitation

- ☐ GOAL 7: Affordable and Clean Energy
- ☐ GOAL 8: Decent Work and Economic Growth
- ☐ GOAL 9: Industry, Innovation and Infrastructure
- ☐ GOAL 10: Reduced Inequality
- ☐ GOAL 11: Sustainable Cities and Communities
- ☐ GOAL 12: Responsible Consumption and Production

- ☐ GOAL 13: Climate Action
- ☐ GOAL 14: Life Below Water
- ☐ GOAL 15: Life on Land
- ☐ GOAL 16: Peace, Justice, and Strong Institution
- ☐ GOAL 17: Partnerships to achieve the Goals

- ☐ None of the above

▶Projex Online
  ▶Display information on WI page

WI Plan (Milestones)	WI Plan (All)	Title/Scope	EC/EFTA relations	Consultants	WI relations	Standstill & Deviation	Decisions	**Classifications**
Remarks	Released Documents	Implementations	Technical Body	Timeline				

International Classification of Standard:

ICS Code	Language	Title
91.100.30	English	Concrete and concrete products
	French	Béton et produits en béton
	German	Beton. Betonfertigteile

Sustainable Development Goals:

Goal	Language	Title
Goal 1	English	No Poverty

2.6 CENELEC – IEC data stream (Elisa)

CENELEC – IEC data stream

▶ Automatic creation and update of parallel IEC and CENELEC projects using the IEC XML Data Feeds.

▶ IEC XML Data Feeds on project/publication will be <u>decommissioned end of June</u>.

> ➔ Need for a transition to the new IEC API Project and Publications

▶ Implementation of CENELEC BT Decision **D160/022**:

> ➢ Creation of the CENELEC work item at earlier stage
> ➔ from ACD stage at IEC

> ➢ Initial plan provided by IEC for the stages CD, CDV, FDIS and PUB will be imported into the CENELEC work item

▶ Phase 1: UAT phase ongoing – Delivery foreseen by End of May 2021

CENELEC – IEC data stream

▶ **Phase 2: starts June 2021**
- ✓ Use of IEC Working Document API to update and plan parallel CDVs and FDISs
- ✓ Replacement of the IEC Data Feeds on Working Documents which is will be discontinued by mid of 2022
- ✓ Delivery foresee by Q3/2021

▶ **Phase 3: starts Q4/2021**
- ✓ Use of IEC Project API to create automatically IEC and CLC corrigenda in CCMC central database.

▶ **Next step:** investigate if other processes can be automated using the IEC HAPI

2.7 CEN-CENELEC — Extended access (Elisa/Thierry)

Extended role-based access

Phase 3:

- ✓ Extend the access to the BT decisions via QuickSearch to :
  - TC/SC Secretaries, TC/SC Chairs,
  - BT members, Permanent delegates and BT Observers;
- ✓ In accordance with **CEN/BT 024/2018** and **CENELEC/BT D159/047**

QuickSearch: https://quicksearch.cencenelec.eu/

A user-friendly search engine that allows you to navigate through CEN and CENELEC BT decisions and associated documents (archived since 2016), European Standards and other deliverables, as well as all Technical Bodies.

Extended role-based access

Benefits:

➢ Facilitate access to CEN and CENELEC BT decisions.

➢ Consult the document(s) associated to the BT decision.

➢ Ensure more transparency.

➢ Access is linked to the role in CEN GD and CENELEC EMS ➜ users management and access request by NSBs/NCs to CCMC is no longer required.

QuickSearch

Extended role-based access

▶ Access to QuickSearch but <u>no access</u> to BT decision

➢ CEN and CENELEC Experts (role-based access same as Projex-Online)

▶ Roles giving access to BT decisions in QuickSearch:

In GD	In EMS
CEN/TC or SC Secretary **CEN/TC or SC Chairperson** **Remark**: no roles currently available in GD for BT members and BT Observers => access still managed manually	**CLC/TC or SC Secretary** **CLC/TC or SC Chair** **CENELEC BT NC Official** **CENELEC BT Observer**

Extended role-based access

▶Login using the Standardization Identity Federation (SIF).

- ❖ From now on, users are encouraged to authenticate themselves using the option "Preferred login" (using their GD or EMS account).

- ❖ The option "Alternative login" (using the local CEN-CENELEC account) will be removed in June 2021.

- ❖ Users without GD or EMS account can contact their NSB/NC User Administrator.
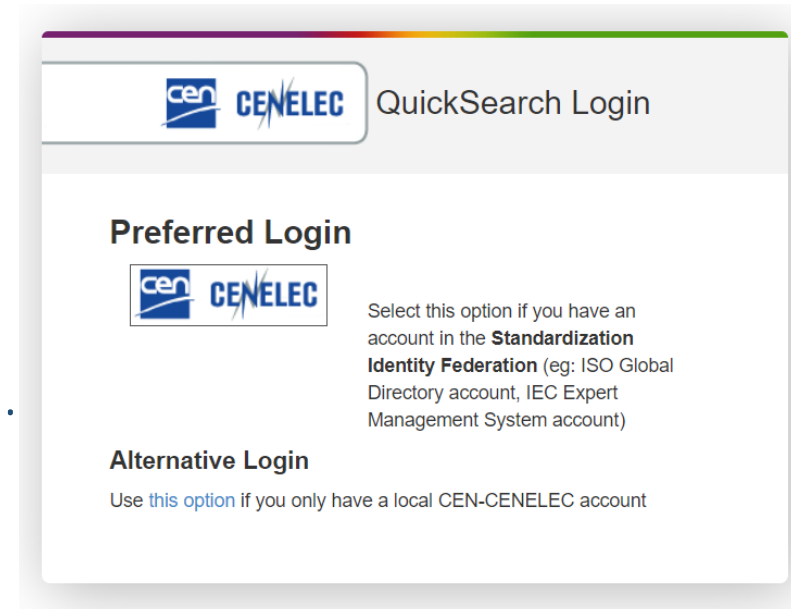
Extended role-based access

▶Planning

    ▶**Phase 1**: CEN/CENELEC experts have access to Projex Online (since 5th October 2020)

    ▶**Phase 2**: Performance improvement (mid-December 2020)

    ▶**Phase 3** (May 2021): CEN & CENELEC TC/SC secretaries and chairs have access to QuickSearch (BT decisions)

    ▶**Phase 4** (June 2021): SIF as only authentication method

2.8 CEN-CENELEC – Harmonized API (HAPI) (ELISA)

CEN-CENELEC – Harmonized API (HAPI)

Working Document API

▶ **Q4/2020:** Release of ISO and IEC new Technical Committee Working Document harmonized API

▶ **CEN HAPI** linked to the eCommittee migration to NUXEO which is foreseen for 2021 Q2

▶ **CENELEC HAPI** requires a specific development from IEC. Estimation provided by IEC CO and planned for 2022

CEN-CENELEC – Harmonized API (HAPI)

▶ **Harmonized API:**

New Harmonized API for	Forecasted
Projects and publications	available
Committee Working Documents	2021/2022
Identities (Person, Organisation, Committees) and Roles	2022
Meetings	2022
Ballots	2023

▶ **Specific European feeds: Q3/2021**

- Standardization Requests (mandates)
- Directives
- Infopro

CEN-CENELEC – Harmonized API (HAPI)

▶ **Granular access rights : Q2/2021**

- Current HAPI Gateway developed to be open in priority to the CEN and CENELEC members.

- The extension of the API gateway to other stakeholder will require the implementation of more granular access rights.

  Examples:

Type	Example	CEN metadata	CENELEC metadata	CEN standard documents	CENELEC standard documents
Affiliate, CSB	DPS, BELST	Y	Y	N	N
European Counsellor	EC	Y	Y	N	N

- Delivery foreseen End of May

CEN-CENELEC – Harmonized API (HAPI)

▶ **Global Directory TB IDs: Q2/2021**

- The Global Directory identifier of CEN technical bodies will be exposed in the CEN API Project and Publications via the element "**urnAlt**"

Example:

```
"owner": {
    "urn": "cen:committee:887985",
    "urnAlt": ["cen:committee:4650500"],
    "targetType": "COMMITTEE",
    "displayName": "CEN/CLC/JTC 5"
},
"developer": {
    "urn": "cen:committee:1247622",
    "urnAlt": ["cen:committee:5050542"],
```

- Delivery foreseen End of May

CEN-CENELEC – Harmonized API (HAPI)

▶ **HAPI Project and Publications - Change requests:**

- ➤ API Publications: addition of *publicationStage* field
- ➤ API Publications: provision of *publicationDate*

- ➤ API Project: expose all planned stages
- ➤ API Project: expose metadata on Directive/officialJournal

- ➤ Delivery foreseen Q3/2021

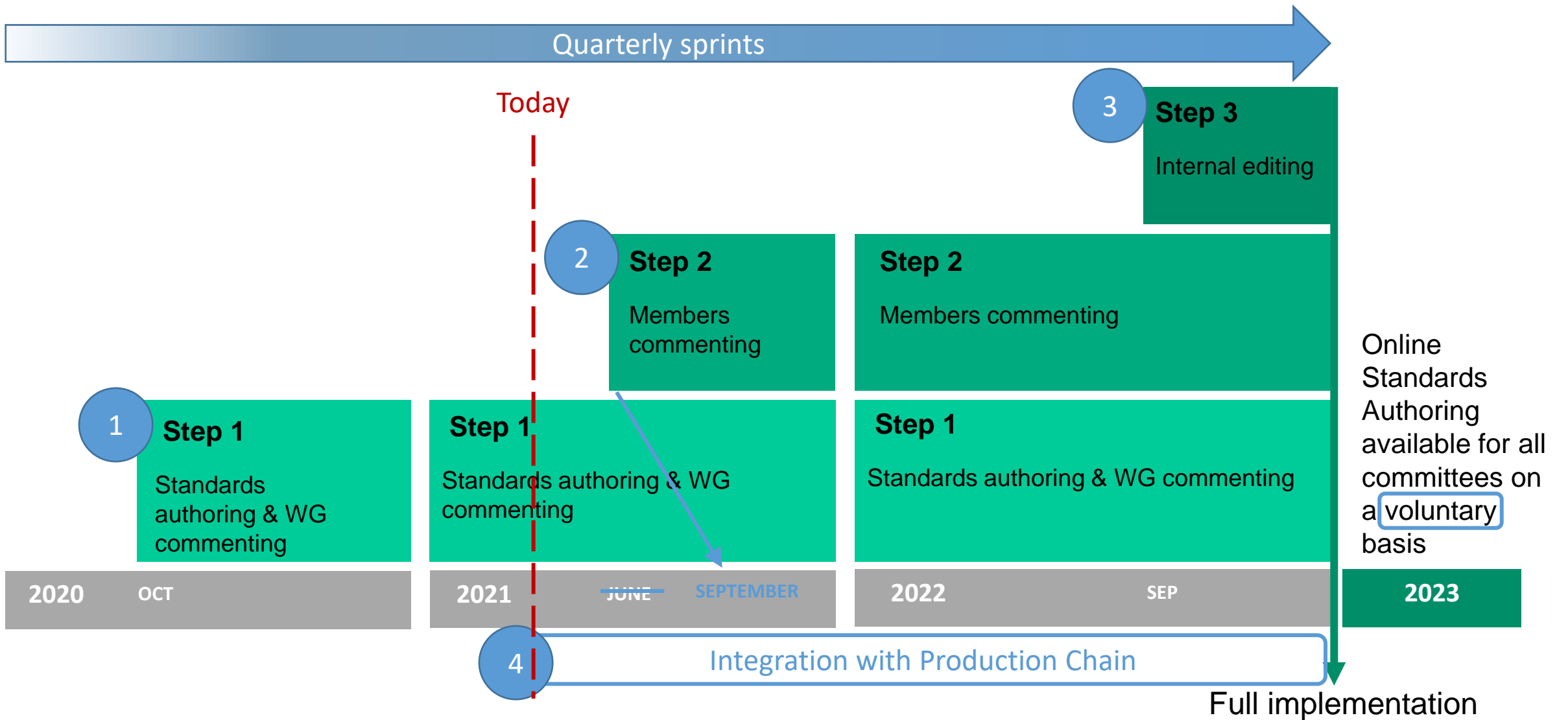# Discontinuation of existing data feeds

▶ Discontinuation of **CENELEC** delimited text files and PROJEXDATA legacy postponed

▶ CCMC and concerned members working closely to set-up a discontinuation plan
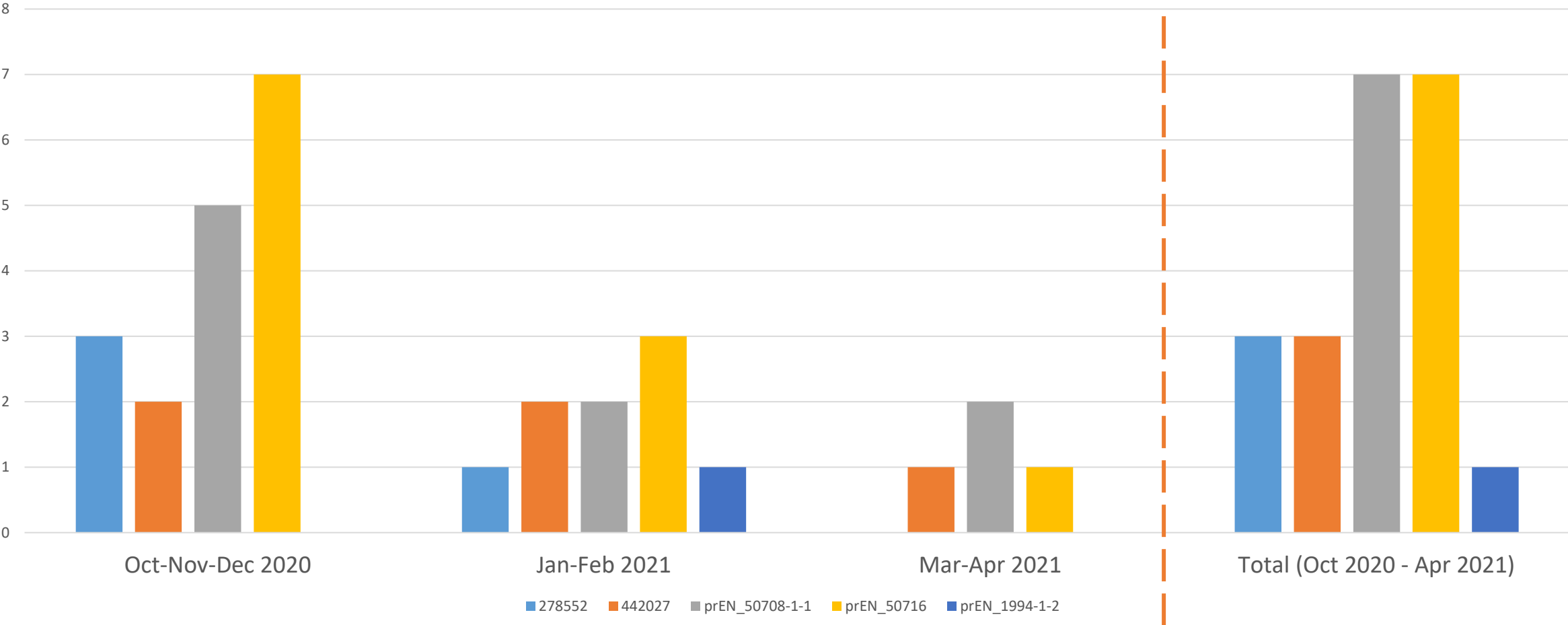
▶ New date will be communicated

2.9 CEN-CENELEC – Online collaborative authoring (Shannon)

Work packages

Quarterly sprints

Today

3 **Step 3**

Internal editing

2 **Step 2**

Members
commenting

Step 2

Members commenting

Online
Standards
Authoring
available for all
committees on
a voluntary
basis

1 **Step 1**

Standards
authoring & WG
commenting

Step 1

Standards authoring & WG
commenting

Step 1

Standards authoring & WG commenting

| 2020 | OCT | 2021 | ~~JUNE~~ | SEPTEMBER | 2022 | SEP | 2023 |

4 Integration with Production Chain

Full implementation

Pilot usage statistics

Number of pilot users who connected at least once in the period

278552 442027 prEN_50708-1-1 prEN_50716 prEN_1994-1-2

Feedback

7. How satisfied are you with these authoring aspects? *

	Very dissatisfied	Somewhat dissatisfied	Neither satisfied nor dissatisfied	Somewhat satisfied	Very satisfied	Never tried to use
Toolbar - authoring options from the tool bar on top (eg: adding a clause, table, reference, etc.)	○	○	○	○	○	○
Content writing - adding text, copy-pasting, undo, other shortcuts	○	○	○	○	○	○
Text formatting - bold, italics, indenting, etc.	○	○	○	○	○	○
Quality check - suggestions on content quality based on library of ISO/IEC directives	○	○	○	○	○	○

8. What improvements, if any, would you like to see regarding basic authoring?

Enter your answer

Survey prepared jointly with ISO & IEC

But not yet sent to CEN-CENELEC pilot groups due to low usage

Qualitative feedback from 1 WG:

- 👍 Intuitive, user friendly, nice features, great MVP
- 🧐 Still using Word's compare & combine features to manage branching & versioning; only move to Fonto once it's clean
- 💡 Feature requests:
  - Granular permissions (edit only parts of a document)
  - Branching, versioning & rolling back
  - Re-do (Ctrl+Y)
  - Robust table editing
- 🤓 Training topic: needed a refresher on how to move tables

Call for participation

Dear Secretaries & Convenors of CEN-CENELEC TCs,

After a successful first pilot of the Online Collaborative Authoring platform, the project team has added new features and is now calling for additional groups to pilot the new tool.

What is it?

The Online Collaborative Authoring platform is a Word-like tool that technical bodies can use to write their project deliverables. It has many advantages compared to Word, such as concurrent editing, tagging & filtering comments, and different access rights for leaders/authors/contributors. Take a look at this short intro video, or for more detail check out the project website. The project is being led by ISO & IEC, and we are making sure that CEN-CENELEC requirements are incorporated.

Who are we looking for?

We are looking for CEN and CENELEC working groups which will begin writing a deliverable soon. You will create it in the new Online Collaborative Authoring platform instead of Word or similar. The deliverable:

▶ May be new or a revision (but not an amendment or corrigendum)

▶ Must be homegrown (not an adoption)

▶ Should ideally start being written in the next few months

What next?

Want to get on board? Please complete this questionnaire.

Not sure yet or just curious? Please register for one of these info sessions:

Session	Date & Time	Registration
1	Tue 1 June at 10 to 11am	Register
2	Mon 14 June at 2 to 3pm	Register
3	Tue 29 June at 10 to 11am	Register

Scope clarification

▶ Which types of standardization deliverables?
  ▶ Homegrown/adoptions/parallel modifications... (there are many types)
  ▶ Creation/reviews/amendments/corrigenda

▶ Accommodation of exceptions?
  ▶ Eg: numbering

▶ Other types of documents?
  ▶ Meeting minutes/others...

2.10 Web site revamping (Eric)

Web sites revamping - background

▶ Approved by CEN and CENELEC Cas (CEN/CA 27/2020 & CLC/CA 155/14)

▶ Improved design, easier navigation

▶ CEN-CENELEC public web site

▶ CENELEC experts area (applications portal)

▶ CEN experts area (applications portal)

▶ Detailed standardization project data available from Projex Online (open to all experts)
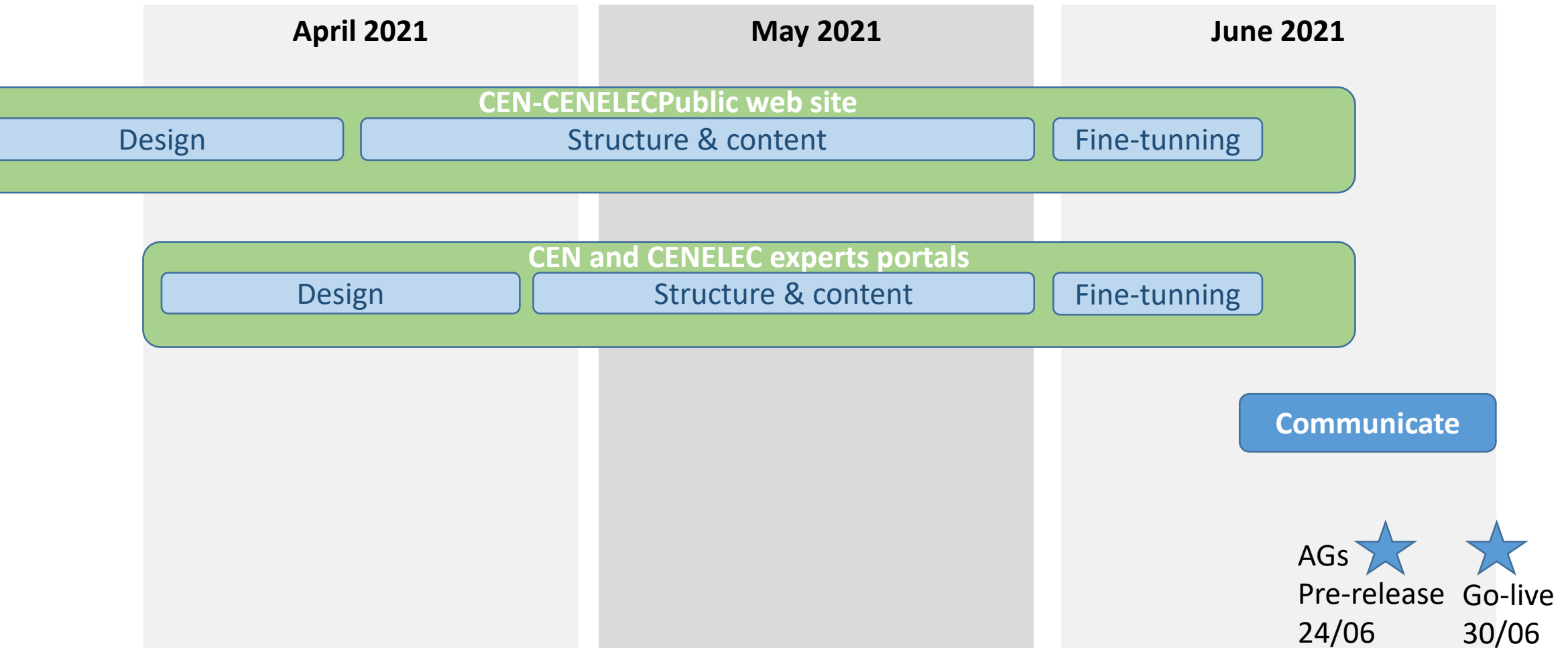
Web sites revamping - Planning

▶ BOSS web sites:
- ❑ New design
- ❑ No change in the content or structure
- ❑ New features: Subscription to latest update, latest update page
- ❑ Available 2020/12

▶ CEN-CENELEC public web site+ CEN & CENELEC experts portals:
- ❑ Launch planned **2021-06-30**

High-level project plan

April 2021	May 2021	June 2021

CEN-CENELECPublic web site

| Design | Structure & content | Fine-tunning |

CEN and CENELEC experts portals

| Design | Structure & content | Fine-tunning |

Communicate

AGs
Pre-release
24/06

Go-live
30/06

2.11 CEN-CENELEC – Submission Interface (Dorothée)

CEN-CENELEC submission interface

- **Currently**
  - CEN: upload in eTRans folders (Livelink)
  - CENELEC: Email

- **Weak points:**
  - Manual process (resource consuming, prone to errors)
  - Low transparency on the process status (email sent to TC secretary only when not validated)
  - Traceability, monitoring and follow-up problematic (email based)
  - No validation up-stream
  - No possibility to capture relevant metadata

- CEN-CENELEC BT decision approving the development of "submission interface" for the submission of standardization documents by CEN and CENELEC technical body Secretaries to CCMC

What is the Submission Interface (SI)?

▶ A communication platform between TC Secretaries and their support teams and CCMC, enabling easy, step-by-step submission of documents at key stages of the process:
- ▶ First Working Draft
- ▶ Enquiry
- ▶ Second Enquiry
- ▶ Formal Vote
- ▶ Second Formal Vote
- ▶ TR/TS Votes
- ▶ Skip Formal Vote
- ▶ Public Enquiry for CWA
- ▶ Publication for CWA

▶ Dedicated submission forms for each step will guide the users through the documents required for submission
- ▶ informational text and guidance for submission will be provided for each type of document

▶ Quality checks of the submitted documents will be done on submission, pushing the checks usually done by CCMC back to the submitter immediately, speeding up the overall process

▶ Quality checks include:
- ▶ Format of the documents
- ▶ Checks on Graphics (correct formatting, naming, linking of graphics,..)
- ▶ Completeness of files submitted

▶ User can view the status of their submissions at any time

Why change?

▶The new submission interface will resolve these weaknesses in the current processes by:

> ▶ a user-friendly interface
>
> ▶ reducing the risk of errors through clear instructions and unambiguous association of documents to work items
>
> ▶ applying automated validations upon submission, pushing the quality checks further upstream
>
> ▶ enabling TC Secretaries to see the status of their submission at any time
>
> ▶ integrating with the CCMC production workflow, automating validations
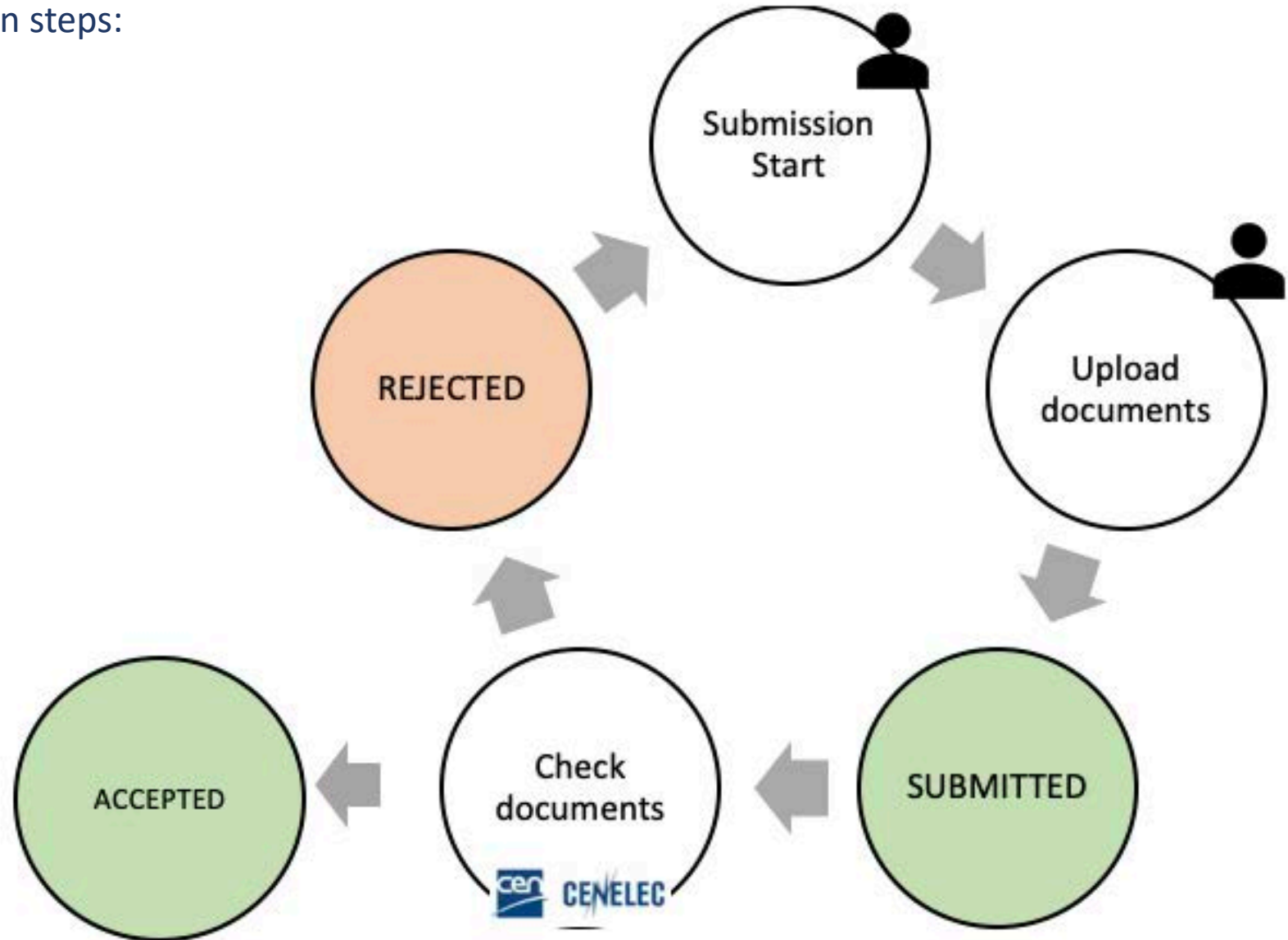
High-level workflow

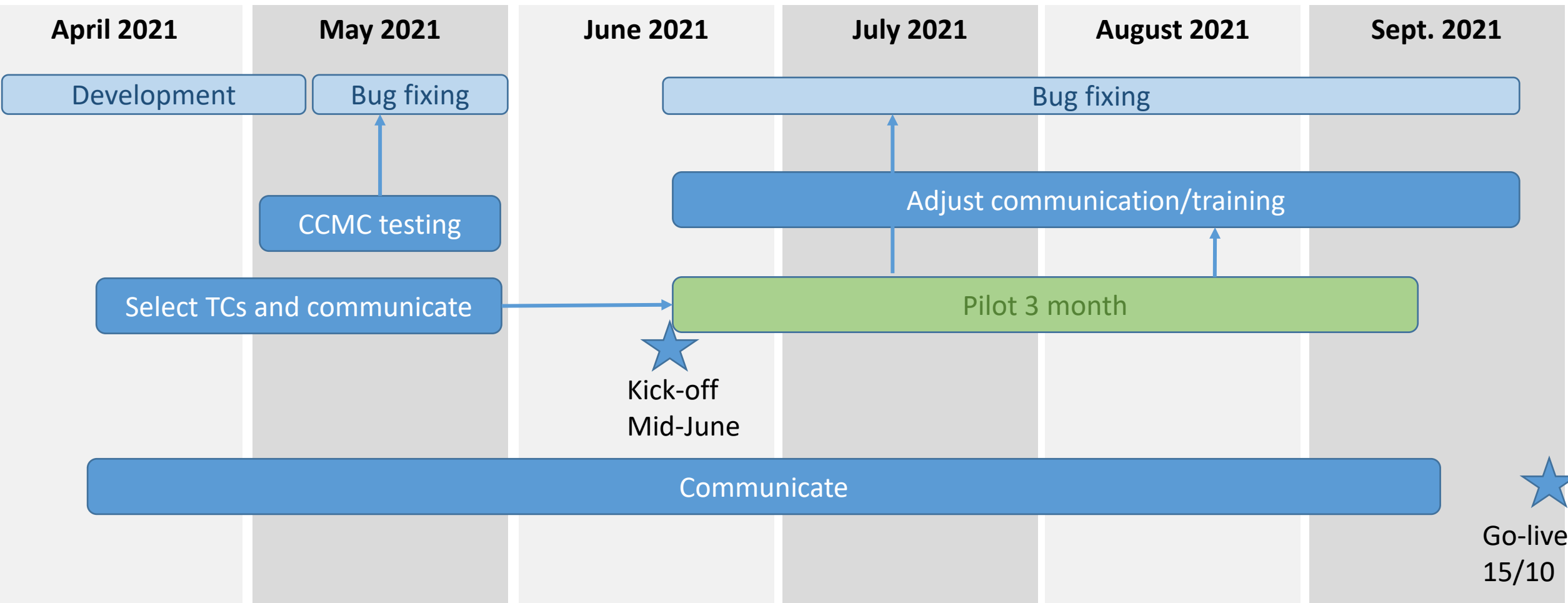Submission process has three main steps:
(Not started)
- Submitted
- Accepted
- Rejected

After a submission is started, the user uploads the documents and if all system checks are OK the submission will be in Status "SUBMITTED" and ready for check by CCMC.

After CCMC's checks, the submission is either "REJECTED" which will require the user to start the submission again, or it is ACCEPTED which concludes the submission.

High-level project plan

April 2021	May 2021	June 2021	July 2021	August 2021	Sept. 2021

Development — Bug fixing

Bug fixing

CCMC testing

Adjust communication/training

Select TCs and communicate

Pilot 3 month

Kick-off Mid-June

Communicate

Go-live 15/10

2.12 XML-based CCMC production chain (Mélanie)

XML-based CCMC production chain

▶Purpose
  ▶XML quality
  ▶Align all formats

Réalta Publishing

▶Tests in 2020 to assess the tool
  ▶CEN requirements (font, consolidations…)
  ▶CENELEC requirements (font, line numbering for drafts and final drafts…)

▶2021-02 preparation for use in production
  ▶Customization
  ▶Testing

XML-based CCMC production chain

▶End of May
  ▶CEN & CENELEC home-grown publications
  ▶Consolidations, different fonts, Joint TC documents

▶Next steps
  ▶CEN & CENELEC drafts & final drafts (headers & line numbering)
  ▶Parallel documents
  ▶Drafting exceptions
  ▶Title pages

2.13 CEN-CENELEC – Workflows (Mélanie/Anna)

Production workflows - status

▶ Late & on-time translations (CEN & CENELEC)
　▶ Small improvements ongoing
　▶ In-depth analysis needed for further improvement

▶ Incoming drafts & final drafts & allocation of publications (CEN)
　▶ New release on 2021-05-06
　▶ Integration with Submission Interface 2021
　▶ Analysis to process all documents from the SI into the workflow

Production Workflows - Status

▶ Finalization of publications (CEN & CENELEC)
- ▶ CEN workflow partly in production (mid-March)
- ▶ Deployment in production this week for Vienna Agreement publications (CEN)
- ▶ CENELEC workflow kick-off meeting development 2021-05-17

▶ Formal vote (CEN & CENELEC)
- ▶ Analysis planned in June to September

Governance Workflow - status

▶ Internal process (PC, CAs, AGs)

▶First part in production since January 2021

▶Second part in production since March 2021

BT Workflow – Phase 2

▶ Internal process

▶ In production since August 2020

▶ Analysis done in Q1/2021

▶ Development foreseen for Q2/2021

▶ Deployment foreseen for 06/2021
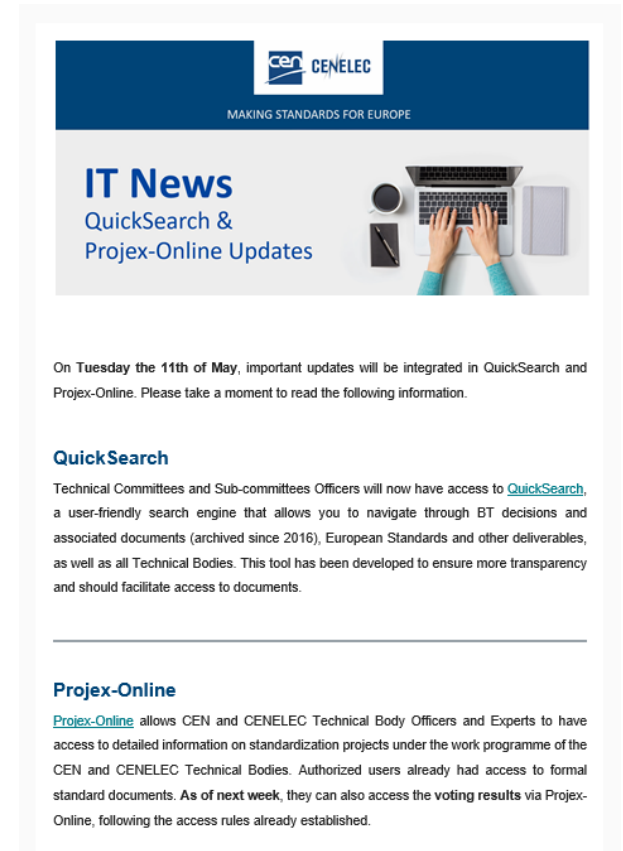
2.14 IT communication Strategy (Christel)

IT Communication Strategy

▶ **Professional approach**

▶ **Systematic communication about the changes**

▶ **Prepare for the change and accompany it**

▶ **For each project, identification of:**
  - ▶ **Why:** reason of the change
  - ▶ **Who:** stakeholders involved
  - ▶ **What:** targeted message (clear & concise)
  - ▶ **When:** planning of the communication
  - ▶ **Where:** channel used to reach the audience

▶ **Look & feel**

MAKING STANDARDS FOR EUROPE

IT News
QuickSearch &
Projex-Online Updates

On **Tuesday the 11th of May**, important updates will be integrated in QuickSearch and Projex-Online. Please take a moment to read the following information.

QuickSearch

Technical Committees and Sub-committees Officers will now have access to QuickSearch, a user-friendly search engine that allows you to navigate through BT decisions and associated documents (archived since 2016), European Standards and other deliverables, as well as all Technical Bodies. This tool has been developed to ensure more transparency and should facilitate access to documents.

Projex-Online

Projex-Online allows CEN and CENELEC Technical Body Officers and Experts to have access to detailed information on standardization projects under the work programme of the CEN and CENELEC Technical Bodies. Authorized users already had access to formal standard documents. **As of next week**, they can also access the **voting results** via Projex-Online, following the access rules already established.

2.15 Jira ticketing (Christel)

Jira ticketing

▶ **Internal** ticketing system in June

▶ Will replace email requests step-by-step

▶ Advantage

  ▶ Specific fields -> right info -> easier to address -> quicker answer

  ▶ Automatically assigned to the right team

  ▶ Easier follow-up of the tickets

  ▶ Possibility to define priorities

2.16 IT Security

IT Security – CCMC situation

Main aspects - highlights

▶Strategy

▶Systems in place

▶Past projects - external/internal penetration tests

▶Projects 2021 & 2022

▶Quality Management System – CCMC certification EN ISO 9001:2015 - audit recommendation

IT Security – CCMC situation

Strategy

▶ Continuous improvement of security

▶ Continuous process of keeping systems up to date

▶ Be security minded not only for hardware but also for applications

▶ Minimize as much as possible number of different technologies used

▶ Challenge: balance Security, Useability and Costs

IT Security – CCMC situation

Systems in place

▶Network security (Firewall, NAC)

▶Antivirus and advanced threats prevention software

▶Monitoring and alerting tools (Active Directory, servers health, events)

▶Patching systems (at least monthly or when required)

▶Backup systems (offline on tapes/disks with external safe storage weekly - 6 months history)

▶Microsoft Office 365 security

  ▶Multiple factor authentication (MFA) including VPN

  ▶Exchange online cloud security

IT Security – CCMC situation

▶ **Past initiatives/projects**

▶ External audit on external penetration test 2017 (PENTEST) - remote

  ▶ 15 vulnerabilities identified
  ▶ 1 vulnerability left: Meeting Centre booking reservation system application needs rewriting (read-only for guests) - mitigation measure implemented

▶ External audit on internal penetration test 2019 (PENTEST) – on site

  ▶ 15 vulnerabilities identified
  ▶ 12 implemented
  ▶ 1 waiting for test of new encryption method for database access
  ▶ 2 waiting for migration of old server operating system & protocols

IT Security – CCMC situation

Projects 2021

▶ Eliminate unsupported servers and old unsecure protocols

▶ POC replace McAfee antivirus by Microsoft Windows Defender ATP (Cloud + AI) à alert/reporting enhancement

▶ Firewall: clustering (easier updates/upgrades), HTTPS inspection

▶ D/R (change backup system and D/R site) – analysis/first steps

▶ Regular awareness campaigns to be launched towards users

▶ Assess cyber risk insurance coverage

▶ **Projects 2022**

▶ Move to Windows defender ATP for servers and workstations

▶ D/R (change backup system and D/R site) – finalization

▶ External audit on internal & external penetration test

IT Security – CCMC situation

EN ISO 9001 audit 2020 recommendation

▶ CCMC Quality Management System in place and certified EN ISO 9001:2015 compliant, which includes IT Policy, process and procedures

▶ No non-conformity identified during audits

▶ Auditors' recommendation (improvement) to perform a gap analysis with ISO/IEC 27001 & 27002

▶ To assess requirements from ISO/IEC 27001 & 27002 relevant to CCMC and setup roadmap/action plan to fulfill them (Q4/2021)

▶ Engage with ISO/IEC since interconnection/dependencies with CCMC

3. Q&A