TECHNICAL BOARD

CEN/BT by correspondence

For information	Issue date:	2018-11-28

SUBJECT

Announcement of the CEN Workshop 'International Human Account Network' (WS IHAN)

BACKGROUND

On 28 February 2018, CCMC met with representatives of The Finnish Innovation Fund Sitra, at which meeting it was discussed how Sitra's aims to create an international protocol that gives people control over how and what their data is being used for, could be supported by standardization. The meeting concluded that the Workshop Agreement process was a suitable deliverable to meet Sitra's needs and contacts were initiated with our Finnish member, SFS.

The idea has since then materialized in the proposal for a CEN Workshop IHAN, to be launched at a Kick-off meeting on 22 January 2019 in Helsinki, with SFS as secretariat.

The proposed draft Project Plan of this proposed CEN Workshop is in Annex 1.

CCMC publicly announced the launch of the Workshop on the CEN website on 2018-10-11 together with the draft Project Plan for commenting.

Should you have any comments on the launching of this CEN Workshop or on its proposed Project Plan, you are invited to contact the Workshop Secretary, Elina Huttunen (elina.huttunen@sfs.fi).

Assessment

As shown on the self-assessment form (Annex 2), and also checked by CCMC with regard to the four conditions under which there is a need for the agreement of BT members before proceeding with the process to launch a Workshop:

- The proposed Workshop does not deal with safety matters
- The proposed Workshop does not deal with conformity assessments aspects
- The proposed Workshop does not deal with management systems aspects
- The proposed CWA does not fall within the scope of any TCs

there is **no need for a CEN BT decision**.

2018-11-22 – LVDB

2018-06-12

DRAFT

Project Plan for the CEN or CENELEC Workshop on International Human Account Network WS Acronym: IHAN

Workshop
(to be approved during the Kick-off meeting on 2019-22-01)

1. Status of the Project Plan

- Initial draft Project Plan, to be further developed, prior to submission for approval

2. Background to the Workshop

The market environment around data economy is very diverse. Some parts of it are very regulated and others not at all or very little. For example, health care is a sector where most data is regulated and at the moment maintained by either public sector or established private sector entities. On the other hand well-being data from private handheld devices including mobile phones and fitness trackers are maintained in Internet services without much regulation. The situation in agriculture is similar. Production amounts and field area are regulated data in Europe and basis for EU aid, but data collected by farming machines is not regulated and many times maintained by machine manufacturers. Similar examples exist in all business sectors where human centric data is collected and processed.

The European Union has multiple strategies to tackle this topic including Digital Single Market[1], European Data Economy[2] and Digitizing European Industry[3]. On a regulation side the EU has created PSD2[4], GDPR[5] and eIDAS[6]. These strategies and regulations are very proactive and empower European citizens with new rights and companies with new requirements, but they don't lay out mechanism to actually implement data economy or free flow of data in Europe.

IHAN, International Human Account Network, aims create an international protocol that gives people control over how and what their data is being used for. It gives tools and means for to implement the strategies and goals that the EU has created.

Beside the regulations IHAN protocol will be based on sound principles. These are the following:

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[1] https://ec.europa.eu/digital-single-market/
[2] https://ec.europa.eu/digital-single-market/en/policies/building-european-data-economy
[3] https://ec.europa.eu/digital-single-market/en/policies/digitising-european-industry
[4] http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32015L2366
[5] https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32016R0679
[6] http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2014.257.01.0073.01.ENG

- Openness

  - From closed platforms to distributed open networks

  - Scalability and global view

- Interoperable infrastructure

  - Interoperability

  - Fair governance, transparency and accountability

  - Sustainable economic model

  - Infrastructure approach through public private partnership

- Design and implementation

  - Actionable implementation of the legal frameworks

  - Practical, easy-to-use and comprehensive data management

  - Simple, modular and adaptive system design

While starting something brand new we understand that there is no lack of Internet standards. They exist in many forms and layers in OSI model from physical to application layer. This workshop will utilize multiple standards and build on top of those, for example WSDL, SOAP, XMLRPC, XSD, SOA, HTTP, REST. The outcome of this workshop will include among other things an architecture document explaining which existing standards and protocols will be used. Some existing standardization works that we have identified which relate to IHAN are:

- W3C decentralized identifiers[7]

- Identity hubs specification[8]

- W3C verifiable claims[9]

- User Managed Access UMA 2.0[10]

- IEEE Standard for Machine Readable Personal Privacy Terms[11]

- W3C Activity Pub[12]

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[7] https://w3c-ccg.github.io/did-spec
[8] https://github.com/decentralized-identity/hubs
[9] https://www.w3.org/2017/vc/WG/
[10] https://docs.kantarainitiative.org/uma/ed/uma-core-2.0-03.html
[11] https://standards.ieee.org/develop/project/7012.html

Motivation for the creation of this workshop is to lay out basic technical principles, messages and Application Programming Interfaces so that a common data exchange mechanism can be created for human centric data in Europe. The ultimate goal is that within the next 6 years this will lead into real EU standard.

3. Workshop proposers and Workshop participants

- Original proposers of the Workshop: Finnish Innovation Fund Sitra
- Participants at the Kick-off meeting: Open for participants
- CEN/CENELEC national member holding the Workshop secretariat: Finnish Standards Association, SFS

4. Workshop scope and objectives

The objective of this workshop is to create CEN-CENELEC Workshop Agreement which includes multiple topics to support IHAN, International Human Account Network, concept. The CWA will be then used in EU wide pilots and helps them to be aligned in technology and interoperability.

The scope of this workshop is to produce CWA including the following topics:

- **Data identifiers** a unified identifier connecting my identifier and personal data related to me.
- **Consent management –** a structure which will include one or more authorization to access my data in various systems in either one time or on continuous basis.
- **Distributed Log system** for changes in the consent

5. Workshop programme

The CWA shall be drafted and published in English. The estimated duration of the Workshop is 1 year with the kick-off meeting held on January 2019 and the closing meeting on December 2019. During the Workshop lifetime, several meetings are foreseen both face-to-face and web meetings. This Workshop contains multiple work items which each produce a part of the CWA and can be done independently from each other.

Anyone who has accepted the workshop registration conditions and registered to the workshop can comment on this Project Plan of the envisaged CWA. All comments received will be considered by the chairperson preliminary to a Kick-off meeting. At the Workshop, each comment received will be documented, presented, discussed and resolved. The Kick-off meeting will be face-to-face meeting only. Other meetings can be organized as virtual meetings.

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[12]https://www.w3.org/TR/activitypub/

Work plan

- **Work Item 1: Data identifiers**
- **Work Item 2: Consent management**
- **Work Item 3: Distributed Log system**

	2018						2019											
	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Project plan drafting	▓	▓	▓	▓														
Legal agreements with SFS		▓																
Workshop approval in CEN-CENELEC			▓															
Workhop and project plan published			▓	▓	▓	▓												
Kick-off meeting								▓										
Work Item coordination								▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓
Work Item 1									▓	▓	▓	▓	▓	▓	▓	▓	▓	
Work Item 2									▓	▓	▓	▓	▓	▓	▓	▓	▓	
Work Item 3									▓	▓	▓	▓	▓	▓	▓	▓	▓	
Finalisation and approval of CWA																▓	▓	
Publication of CWA																	▓	
Closing meeting																		▓

6. Workshop structure

The CWA shall be created in a coordinating action between multiple stakeholders. The proposer of the workshop, Sitra, will nominate a leader for the each work item.

Sitra is responsible for making the draft project plan as well as any formal agreements necessary with CEN-CENELEC or its Finnish repracentative SFS.

Chairperson chairs the kick-off and closing meeting and is responsible of the CWA as a whole including the Work Item Coordination activity and monitoring the execution of the project plan. He/She is responsible of the publication of the CWA and is the authorized representative of the CWA in any external meeting.

Secretariat is responsible of organizing the kick-off and closing meetings, making the minutes and keeping the personal data register of all participants including workshop registration forms. Secreteriat will also provide an electronic workspace (Livelink) to the CWA and manage all documents in it. Secreteriat is the formal contact point of any external communication related to the CWA.

Work item coordination is an activity organized by the CWA chairperson. He/She will organize periodical status meetings of the work items.

Work item leader is responsible for the working group meetings within the work item as well as all related activities. He/She will appoint supporting actors if necessary. Work item leader participates into the work item coordination activity.

Other participants are free to join any work item 1-3 working groups as well as kick-off and closing meetings. Participants should voice their interest in the kick-off meeting or by email to the CWA secretariat.

All documents will be filed to a common electronic working space. Only final CWA will be sent to CEN-CENELEC for approval.

7. Resource requirements

All costs related to the participation of interested parties in the Workshop's activities have to be borne by themselves including travelling and accommodation.

Proposer of the workshop, Sitra, is responsible of any cost related to the formal agreements with SFS or CEN-CENELEC and hosting of the kick-off or closing meetings and maintaining of the electronic workspace and secretariat costs. Sitra will also provide meeting facilities for work item meetings if necessary.

All meetings and work item activities are free of any participation fees.

8. Related activities, liaisons, etc.

We have identified a CEN-CENELEC workshop number 84[13] called ISÆN which is working towards self-sovereign identifier(s) to measure data and allow a possibility to hash or watermark to sign and mark the data. The workhop 84 is still work in progress and we have not been able to have any intermediate results from it. Once finished its CWA could serve as a background document for work item 2 – data identifiers.

9. Contact points

Proposed Chairperson: Name: Markus Kalliola Company: Sitra Itämerenkatu 11-13 00180 Helsinki +358 29 4618991 https://www.sitra.fi/en/	Secretariat: Name: Antti Karppinen CEN Member: SFS +358 40 5452214 antti.karppinen@sfs.fi Huttunen Elina elina.huttunen@sfs.fi Malminkatu 34, 00100 Helsinki www.sfs.fi
CEN-CENELEC Management Centre Name : Luc Van den Berghe Project Manager Market Perspectives and Innovation Rue de la Science 23, B - 1040 Brussels Tel: +32 2 550 09 57 e-mail: lvandenberghe@cencenelec.eu www.cen.eu	

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[13] https://www.cen.eu/work/areas/ICT/Pages/WS-IS%C3%86N.aspx

CWA
Template for the self-assessment

Title of the proposed CWA:

International Human Account Network (IHAN)

1. Does the proposed CWA conflict with an EN or an HD for CENELEC?

☒ NO

☐ YES → **WARNING**: Work on the proposed CWA shall not be initiated.

2. Does the proposed CWA intend to define requirements related to safety matters?

☒ NO

☐ YES Is the proposed CWA within the scope of

☐ CEN? → The CWA proposal shall be submitted to CEN/BT for decision.

☐ CENELEC? → **WARNING**: Work on the proposed CWA shall not be initiated.

3. Is the scope of the proposed CWA within the scope of an existing CEN/CENELEC technical body?

☒ NO

☐ YES → The relevant CEN/CENELEC technical body shall be consulted on the CWA proposal:

- If this technical body responds positively and sees no harm in the CWA being developed, the CWA proposal may be processed.
- If the technical body is opposed to a CWA being launched, the CWA proposal shall be submitted to the CEN/CENELEC BT(s) for decision.

4. Does the proposed CWA intend to define requirements related to management system aspects?

☒ NO

☐ YES → The CWA proposal shall be submitted to the CEN/CENELEC BT(s) for decision.

5. Does the proposed CWA intend to define requirements related to conformity assessment aspects?

☒ NO

☐ YES → CEN/CENELEC Internal Regulations - Part 3, 6.7 applies.

If all these questions are answered NO, the CWA proposal may be processed.

If not, special conditions apply as given above.