Irish Standard Recommendation
S.R. CWA 17525:2020

Elements of fair and functioning data economy: identity, consent and logging

S.R. CWA 17525:2020

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National Foreword

S.R. CWA 17525:2020 is the adopted Irish version of the European Document CWA 17525:2020, Elements of fair and functioning data economy: identity, consent and logging

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CEN WORKSHOP AGREEMENT

CWA 17525

March 2020

ICS 35.030; 35.240.01

English version

Elements of fair and functioning data economy: identity, consent and logging

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

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Foreword

This CEN Workshop Agreement has been developed in accordance with the CEN-CENELEC Guide 29 “CEN/CENELEC Workshop Agreements – The way to rapid consensus” and with the relevant provisions of CEN/CENELEC Internal Regulations - Part 2. It was approved by a Workshop of representatives of interested parties on 2020-01-17, the constitution of which was supported by CEN following the public call for participation made on 2018-10-12. However, this CEN Workshop Agreement does not necessarily include all relevant stakeholders.

The final text of this CEN Workshop Agreement was provided to CEN for publication on 2020-02-14.

The following organizations and individuals developed and approved this CEN Workshop Agreement:

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CEN Workshop Agreement

This CEN Workshop Agreement, CWA, contains the requirement specifications for three important building blocks of any internet service that uses personal data and in which the agency for that data is within the individual whose data is being utilized. The building blocks are: identity, consent and logging.

Before you take a deep dive into the requirements specifications, we want to give you the background of why this work was done and why agency for personal data matters. The Finnish Innovation Fund Sitra, which initiated this workshop, started a project called IHAN in 2018 to build the foundation for a fair data economy. In a fair data economy, people are in control of how their data is used and shared, while businesses need to earn the trust of people to get access to diverse sources of data. This change of data agency enables the widest circulation of data because data can be exchanged also between ecosystems which are currently data silos and only serve the businesses within the ecosystem.

The IHAN project covers a wide range of topics, including citizen engagement, business models, technical requirements and governance. Many of the outputs are tested in real life in technical and business pilots in Finland and elsewhere in Europe.

This CWA is a part of the technical work package of the IHAN project and builds on the work that was previously published under IHAN Technical Blueprint document. While the CWA takes a deep dive into three of the most important parts of the Blueprint, we continue to work also on the other fronts of technical requirements and acknowledge other European initiatives working on the same topics. Therefore, this is not the end of the technical requirements work, but hopefully a good start to something that finally will make a meaningful impact towards the free flow of data in Europe. We hope that many other European projects will be inspired by this work and that it can be utilized in research and development by research institutions, universities and private enterprises. It is also our goal that this CWA will be further developed by CEN either as a technical committee document or as a European Standard (EN).

This CWA was approved by consensus with the experts listed in the document. The work was done during 2019 in three work streams which were open and free of participation costs. The pre-release version was in public consultation during November 2019.

We would like to express our appreciation to all stream leads as well as other contributors of the final CWA. Many thanks to the secretariat SFS Finland for the practical arrangements with CEN, and final thanks to CEN for allowing the workshop to take place.

We hope you enjoy reading this!

Markus Kalliola	Juhani Luoma-Kyyny	Katri Korhonen
Senior Lead	Senior Lead	Specialist
Sitra	Sitra	Sitra

0 Introduction

0.1 General background

The data economy is about creating services by using new or re-using existing information, and especially by combining the information in previously untested ways. The basic principle behind a fair data economy is value creation according to “data principles”:

- human centric (from organization- or technology-centric to human centric)
- thriving (unlocking the use of data to scale services)
- balanced (data sharing benefits all)

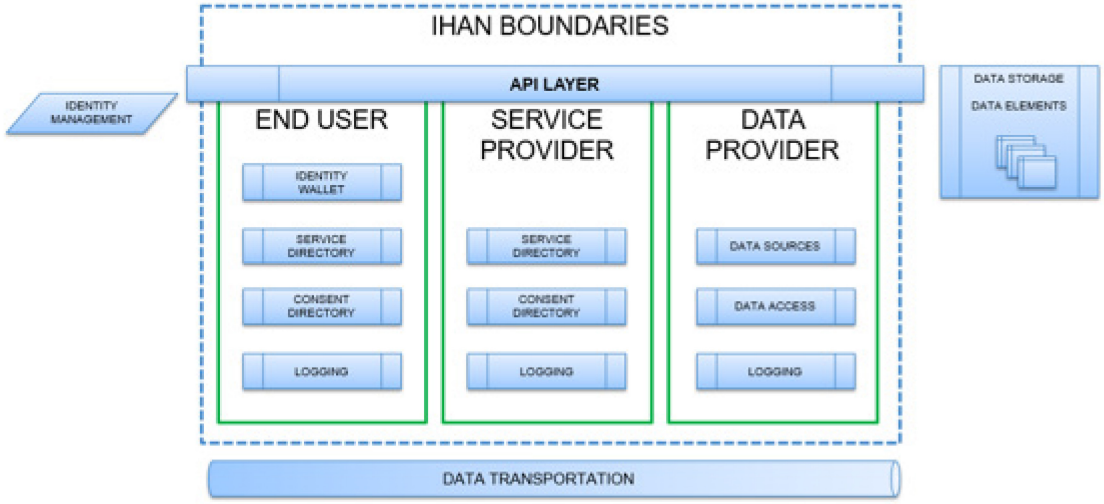
(“A roadmap for a fair data economy” https://www.sitra.fi/en/publications/roadmap-fair-data-economy/)

A fair data economy needs a well-functioning architecture and infrastructure. The basic components for that are:

- identity
- consent
- logging

0.2 IHAN Logical view

The diagram below describes the logical components of a possible service implementation according to IHAN requirements. It also draws the boundaries of IHAN – data transportation technologies, data storages and identity management are outside IHAN boundaries. For example, identity is an essential element of a personal data-based service, but IHAN requirements do not define how and where identity should be managed. Also, data transportation and storing are required to implement services, but they are decisions made by companies providing services.



In the diagram, logging and consent are clear layers across the logical “roles” (end user, service provider and data provider). Identity is the “starting point” of the structure.