MULTICERT to leverage on project OLYMPUS results for privacy enhanced identity

As the H2020 funded OLYMPUS R&D project is coming to an end, Multicert is looking ahead into the future to bring its results to citizens.

Since the project inception, Multicert realized the benefits of using the advanced concepts of privacy-preserving Attribute-Based Credentials (p-ABC) in an electronic identification scheme such as the Mobile Driving Licence (mDL).

The technical specifications of the mDL have been under discussion within ISO/IEC JTC1 SC17 Working Group 10 for over 6 years and were ultimately approved and released publicly in August 2021 as International Standard ISO/IEC 18013-5:2021. Multicert has been an active participant in this standardization work and is actively committed on the rollout, particularly with the PKI solutions targeted to Issuing Authorities.

Taking the draft versions of ISO 18013-5 as a basis, Multicert experimented with the OLYMPUS technology developed in cooperation with the other consortium partners into the practical use case of age verification, particularly in demonstrating arbitrary age checking e.g. "are you older than 17 and a half years?" or "are you over 57?", exchanging a verifiable proof offline and without disclosing the birthdate.

This possibility goes one step ahead of ISO 18013-5 in terms of flexibility – it accommodates a wider range of scenarios from verifiers – and data minimization – no need to disclose the birthdate in case of an uncommon age limit check.

Even if the project is about to finish, Multicert is keep working with standardization and policy-making groups to build upon the results of OLYMPUS and strengthen privacy of personal information, particularly in ongoing initiatives such as mDL extended features and the European Digital Identity Wallet.

At this time, we also take the opportunity to thank our partners in the project for their commitment, support and open collaboration: University of Murcia, Alexandra Institute, IBM, Logalty and Sctyáles.

For more information about OLYMPUS, please visit https://olympus-project.eu

About Multicert

Multicert is a SIBS company and an eIDAS Qualified Trusted Service Provider (QTSP) operating a Certification Authority fully compliant and listed in the EU Trusted List.

Besides running its own PKI, Multicert deploys critical large- scale multi-level turnkey PKI Systems for Governments and Corporations, with solutions deployed in more than 20 countries worldwide.

All PKI components are exclusive technology developed by Multicert, available for licensing and operated as managed services or on-premises.