BLOCKSTAND

BlockStand - "Exploring the standardisation potential of web3 abstract accounts coupled with real ID-based identity for web4 applications"

CEN/TC 465 Plenary session 19th September 2024

Presentation from expert Lluïsa Marsal

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<u>3 streams of work:</u>

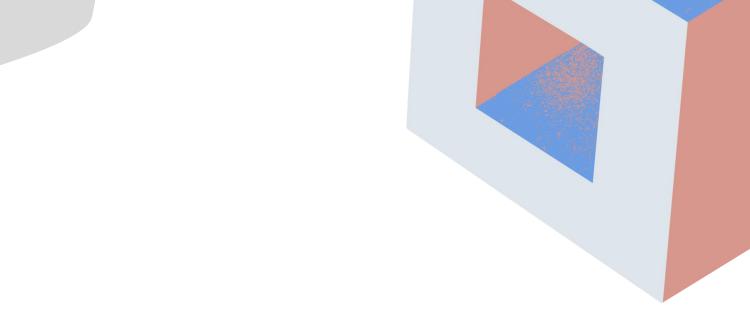1. STANDARDISATION PROPOSAL ON REAL ID-BASED ABSTRACT ACCOUNTS

    Recommendations to CEN/CLC/JTC 19 on real ID-based blockchain abstract accounts standardisation

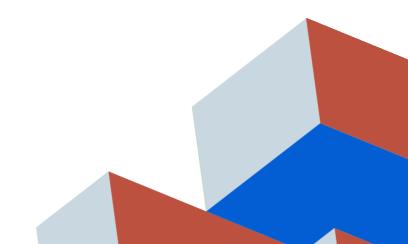2. REAL ID-BASED ABSTRACT ACCOUNTS TO ACCESS VIRTUAL WORLDS

    Recommendations to CEN/CLC/JTC 19 on real ID- based abstract accounts to access virtual worlds,

    and to CEN/TC 465 on LDT standardisation.

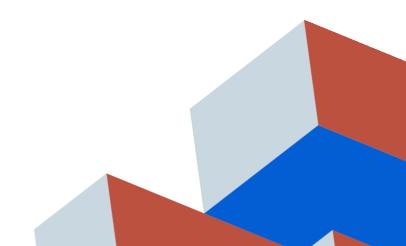3. USE CASE APPLICATION ON METAVERSE LDT

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Recommendations to CEN/CLC/JTC 19 on real ID- based abstract accounts to access virtual worlds, **and to CEN/TC 465 on LDT standardisation.**

The recommendation is for CEN/TC 465, and is the formation of a subcommittee on Local Digital Twins, based on the previous work that Task Group on Local Digital Twins developed.
The CEN/TC 465 SF-SSCC/TG LDT operated between June 2022 and June 2023 and focused on developing recommendations for future standardization related to the Local Digital Twin (LDT).

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Much has been done since June 2023 in the area of LDTs in the EU: **the DUET and LEAD LDT EU projects** have achieved outstanding results, the **LDT Toolbox has elaborated the EU LDT landscape** and continues work towards the **construction of technical specifications**, the **Living in the EU initiative and its Local Digital Twin procurement Help Desk** have been launched, the **Digital Europe Citiverse project** has started works, the **LDT CitiVERSE EDIC** has been launched, as most relevant ones.

This proves the interest that the EU has on LDT technology, that should be encompassed with sufficient standardisation activity.

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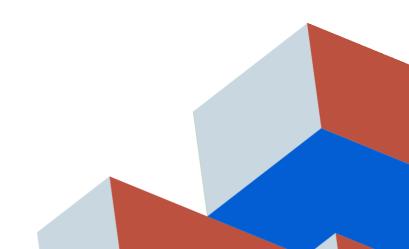
Recommendations to CEN/CLC/JTC 19 on real ID- based abstract accounts to access virtual worlds, **and to CEN/TC 465 on LDT standardisation.**

Internationally there are a couple of metaverse & DT standardisation initiatives, the ISO/IEC Joint SEG 15 Metaverse and the ITU Focus Group on Metaverses, which has just concluded its works (June 2024) and will now be dismantled, and the ISO/IEC JTC 1/SC 41 on IoT and Digital Twin. **The ITU FG MV was planning to conduct some standardisation works on the CitiVerse** (within WG1 there was a Task Group working on the pre-standardisation for the CitiVerse, charged with the elaboration of a specific deliverable entitled "Pre-standardisation roadmap for an inclusive and sustainable CitiVerse", due for June 2024) **which finally did not happen.**

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and to CEN/TC 465 on LDT standardisation.

In the LDT domain, internationally, there are no standardisation works, not yet within ISO/TC 268 (CEN's /TC 465 global mirror committee**), hence there is an international opportunity for CEN/ TC465 to be first to set foot on LDT standardisation, not only in Europe but internationally. Indeed, the EU is best position to initiate standardisation works on LDTs, as proven by its trajectory.**

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Recommendations to CEN/CLC/JTC 19 on real ID- based abstract accounts to access virtual worlds, **and to CEN/TC 465 on LDT standardisation.**

Regarding blockchain technology and the use of abstract accounts to promote uptake and adoption of European LDT technology, **the recommendation to CEN/CLC/JTC 19 is to work together with CEN/ TC465 to design standardised means to ease access to LDT platforms such as via token or NFT but that, at the same time use real-ID to facilitate adoption and uptake by the promoters of LDT technology, public administration.**

Much like with CEN/ TC465, CEN/CLC/JTC 19 has an international opportunity to be the front runner in the definition of standardised means to access virtual worlds, with a special focus on LDT technology, to which Europe is already the clear world leader.