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ReliAble euRoPean Identity

Evolving ARIES terminology: hype or hope

Like any other technology area, e-identity has several specific terminologies and taxonomies, which define which words to use, when and where. While taxonomy is linked to a hierarchical classification of words, terminology is any system or collection of words.

ARIES is not inventing any new terms, but it is interpreting, adapting or adopting some of the widely-used definitions. However, language is “a living thing” and is a subject to consensus but also controversies. In this newsletter we present two new terms related to ARIES: “identity corroboration” and “smart airport”, where we would also like to receive a **feedback from the external readers**.

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Identity Corroboration

According to the dictionary the word corroboration “suggests the strengthening of what is already partly established”. In e-identity context, the word is used in 2018 Gartner report “Market Guide for Identity Proofing and Corroboration”. Gartner also introduces Trusted Identity Corroboration Model (TICM) and concept of the “identity corroboration hub” that focuses on orchestration, analytics and context-base decision.

This new term adds-up to the already existing discussion among ARIES partners about boundary between “proofing” and “verification”. The UK government is using both in the Good Practice Guide N° 45: Identity Proofing and Verification of an individual. More precisely this document states that an identity proofing process requires different unique document/claims verifications, suggesting that the global process is the identity proofing, supported by various unique claims (document, biometrics ...) verifications. On the other hand, definition from Secure Technology Alliance, suggests that proofing is one step of a wider process of identity verification. As reported by Gartner, identity proofing is the series of interactions and activities that make an identity claim verifiable.

In ARIES we simply merged terms “proofing and verification” and refer to this market segment as identity proofing and verification (IPV). What is rather clear is that static data from identity documents is not sufficient anymore to guarantee security. Regardless of the actual term used, what is needed is to build business case focused on fraud reduction and cost-efficiency, as well as user friendliness and customer experience. This is the next challenge for ARIES exploitation activities.



References:

https://www.ncsc.gov.uk/content/files/guidance_files/GPG%2045%20-%20validating%20and%20Verifying%20the%20identity%20of%20an%20individual%20-%20issue%202.4%20-%20NCSC%20Web.pdf

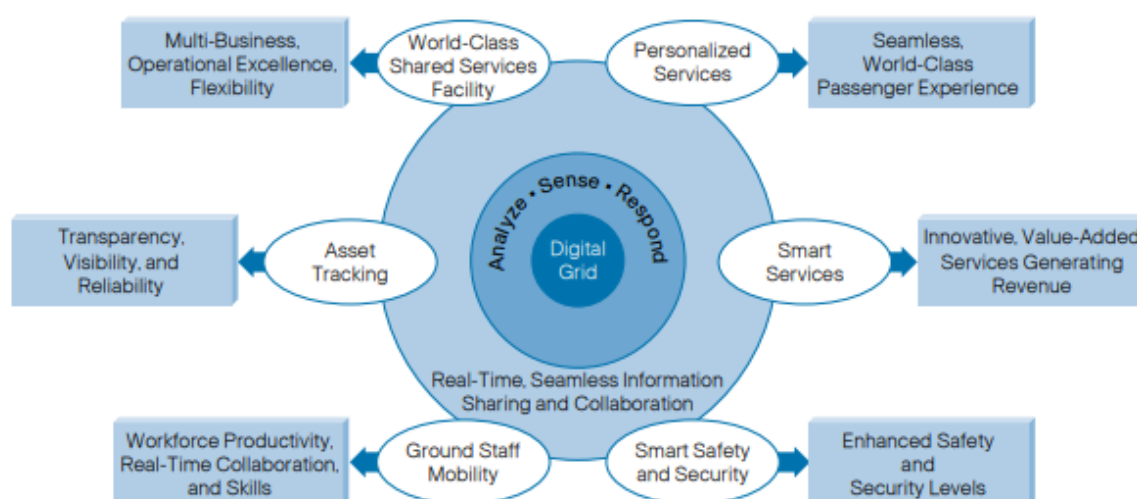
<https://www.securetechalliance.org/wp-content/uploads/Mobile-Identity-Authentication-WP-FINAL-March-2017.pdf>

<https://solutionsreview.com/identity-management/key-findings-gartner-market-guide-identity-proofing-corroboration/>



Smart airport

'Smart Airport', is a concept defined in different ways by different people, but it is always involving use of new technologies in service of passenger's services, or economical and security interests of the airport operators and stakeholders, such as travel operators. In ARIES e-ID ecosystem vision, the list of these stakeholders is also extended to law enforcement authorities (LEA).



In Cisco paper from 2009 (see picture), smart airports evolve into “virtual service providers” (VSPs) that offer an integrated value proposition for different customer segments. There was no such a thing like “internet of things”, but more recently almost every mentioning of “Smart airport” is tagged as “internet of things” domain of application, similar to e.g. Smart City or Smart Stadium concepts. In ARIES, however, we limit our attention to a specific “customer experience” challenge, namely identity virtualisation and automated verification at different check-points. Self-service is already present today throughout the passenger journey, from online check-in, bag drop, and security & border control and even access to the boarding gate. ARIES use case will also validate virtual ID issuance at the airport with the assistance of local Law Enforcement Authorities, which could be used as Emergency Travel Document for travellers that have lost their travel document to obtain a new boarding pass. The Leeds airport meeting was held on 19th June 2018, while the actual pilot will take place in autumn 2018.

References:

CISCO white paper, Smart Airports: Transforming Passenger Experience To Thrive in the New Economy, https://www.cisco.com/c/dam/en_us/about/ac79/docs/pov/Passenger_Exp_POV_0720aFINAL.pdf



eCommerce demonstrator evaluation

ARIES concepts and technologies are being demonstrated in the eCommerce scenario. According to the European Consumer Centres Network: '12% of internet users across the EU have already experienced online fraud, and 8% have fallen victim to identity theft'. ARIES eCommerce demonstrator is aimed at showing effectiveness of the ARIES ecosystem in reducing identity theft and related crime prevention in the context of eCommerce.

The eCommerce demonstrator was evaluated in a controlled environment in Porto by people outside the context of the project. ARIES app has been integrated with the Sonae's group Chef Online website. End users logged on the web through Aries, using ARIES virtual Identities derived from their passports. The evaluation was carried out at Sonae premises in Porto with the support of the project team. a



For 3 days, 29 employees from the departments of Innovation, eCommerce and associate partners- **MO**, **SportZone** and **Zippy** were invited to accomplish the registration and authentication process into the Aries platform and to enroll and log on Chef Online.

Each test had a duration of approximately 20 minutes and participants were asked to answer a short questionnaire to collect their impressions and feedback to improve the whole process. Data privacy and confidentiality was ensured during the whole process.

The demonstrator was also showcased to **Lopesan Hotels Group** representatives in Canary Islands.

References:

Fraud in Cross-border e-Commerce; https://ec.europa.eu/info/sites/info/files/online_fraud_2017.pdf

ARIES NEWS

ARIES at EEMA Annual Conference

ARIES project has been presented at 31st EEMA Annual Conference that took place in London on June 13th and 14th. This year event was attended by more than 200 e-identity experts, policy-makers and senior managers from public, private and academic sector institutions from across Europe and beyond. Aljosa Pasic presented ARIES project and used the opportunity to establish collaboration with several related initiatives. The post-presentation discussion included the analysis of possible business models in situations where identity proofing and verification providers are based in a different country to the one whose government has issued the e-ID.

ARIES organises the ECoSP workshop

ECoSP workshop on Cybersecurity and Privacy will be held in conjunction with the 13th International Conference on Availability, Reliability and Security (ARES 2018) on 27th August in Hamburg, Germany.

The ECoSP workshop aims to emphasize the interplay among European Research projects in the field of privacy and cybersecurity and to establish tight connections among the EU projects. This clustering workshop is organized jointly by ARIES and LIGHTest H2020 projects and will provide EU R&D projects articulated around security and privacy the opportunity to present their results.

ARIES airport demonstrator

On 19th June a meeting took place among ARIES consortium and representatives from Jet2 airline and Dufry, operator of duty-free shops, at Leeds Bradford airport. The goal of the meeting was to prepare the airport ARIES demonstrator to be evaluated in November 2018.

In this scenario we will test how ARIES technologies can be used to prevent and reduce the risk of identity fraudsters to physically impersonate victims and to commit identity crime and fraud bypassing physical access control measures at the boarding gate or at the duty-free shops.



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