

OCTAVE Project – Objective Control of Talker VERication

European Commission H2020-DS-2014-1– Grant agreement no: 647850, OCTAVE Project

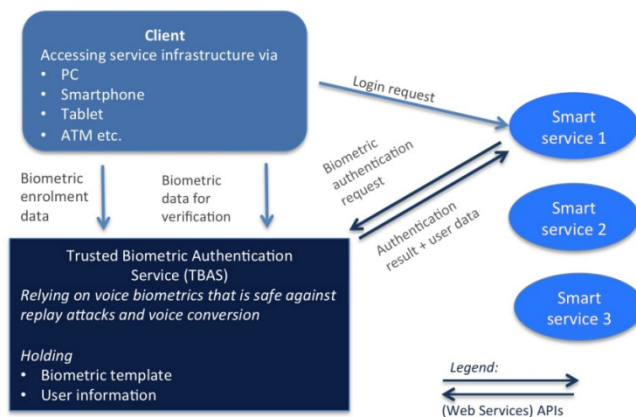
Innovation Action

Start date: June 2015, Duration: 26 months

Total Funding: 4.406.116 € AIT’s Funding: 267.500 €

Project Summary

OCTAVE TRUSTED BIOMETRIC AUTHENTICATION SERVICES SCENARIO



The proliferation of smart services calls for unsupervised authentication at a distance. Being natural, non-intrusive and readily compatible with smart and mobile devices, automatic speaker verification (ASV) is an appealing solution. Even so, today’s state-of-the-art ASV systems lack robustness to environmental variability and are vulnerable to spoofing. Concerns regarding interoperability, scalability and privacy also form barriers to exploitation.

While embracing standards, in

addition to a privacy and interoperability-by-design ethos, OCTAVE will integrate commercial-grade and new, hybrid ASV systems with the latest environmental robustness and anti-spoofing technologies to deliver a scalable, trusted biometric authentication service (TBAS). While simultaneously relieving end-users from the inconvenience of dealing with textual passwords, the OCTAVE platform will reduce the economic and practical burdens related to password loss and recovery.

AIT’s Role

AIT is the leader of Work Package 5 on standard and procedures for safety, security and data protection and a technical contributor in the areas of speaker verification and audio signal processing.

Project partners

Fondazione Ugo Bordoni, U. of Hertfordshire, EURECOM, Itä-Suomen Yliopisto, Aalborg Universitet, Società per Azioni Esercizi Aeroportuali SEA, AIT, APLcomp Oy, ATOS SPAIN SA, Validsoft UK Limited, Advialia SRL, Findomestic Banca SPA,

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