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EVIDENCE2E-CODEX

Linking EVIDENCE into e-CODEX for EIO and MLA procedures in Europe

Final Workshop with Digital Forensic and Legal Experts on the Formal Language for the Evidence Exchange Representation

Deliverable D3.3

Executive Summary

This Deliverable, D3.3 "Final workshop with digital forensic and legal experts on the formal language for the evidence exchange representation" (hereinafter 'Deliverable D3.3') reports on the Final workshop, held in The Hague on 26-27 March 2019.

The organization of the workshop is part of the activities under Task 3.1 "*Refining standard EVIDENCE proposal for the representation of the evidence data in the Exchange process*", within Work Package 3 "*Matching EVIDENCE into e-CODEX and linking to other EU Member States*". The main goal of this task is to integrate the formal language UCO/CASE for the purposes of representing and supporting the Electronic Evidence Exchange process in an electronic evidence platform based on e-CODEX architecture.

The workshop aimed at validating the Evidence Exchange Standard Package (EESP) application for creating the Evidence Package and facilitating its exchange through the Reference Implementation and e-Codex. The EESP application supports the UCO/CASE language, being the standard for the representation of the Evidence Package metadata.

During the meeting digital forensic and legal experts discussed on a wider range of topics, addressed in six Panels' slots:

- Functionalities and GUI of the EESP application (Competent Authorities and Forensic Labs perspectives);

- EESP and Reference Implementation interactions: Messages exchange, Link, Automatisms, Evidence Package Encryption and Manifest file;

- Forensic tools software companies perspective on CASE language (the acceptance of CASE by tool providers and their view the responsibility for developing and maintaining the standard);

- Legal issues on Data Protection and other concerns related to the Evidence Package data retention;

- How to deal with the Exchange of large file of Evidence issue;

- Other platforms in use for the Evidence Exchange: issues and solutions. This Panel is mostly composed of LEAs representatives and the Consortium would like to express a special thanks to them, because they have accepted

to share some knowledge with our projects, because we fully understand that the matter entails confidentiality/discretion.

The content of this Deliverable D3.3 is the following:

- Section 1 explains the Workshop's aims (Sub-section 1.1) and presents the Workshop's agenda (Sub-section 1.2);

- Section 2 contains a description of the items foreseen in the Workshop's agenda:

   o Sub-sections 2.1 - 2.2 contain what has been presented in the session 'Evidence Exchange Standard Package (EESP) application'. The subsections contain an overview of the Evidence Exchange process and the benefits in using a standard language (CASE) for the representation for the data and meta data of an Evidence;

   o Sub-section 2.3 describes details of the 'Evidence Exchange Scenario';

   o Sub-section 2.4 briefly describes 'CASE overview', presented by the CASE's Technical Director;

   o Sub-section 2.5 presents the 'EESP application: where it comes to play, a common timeline' session;

   o Sub-section2.6 reports on the 'EESP Application: Architecture, API and functionalities' session;

   o Sub-section 2.7 is dedicated to the first panel discussion, namely 'Panel 1.A: EESP - discussion on functionalities and GUI, feedback from the potential users';

   o Sub-section 2.8 is dedicated to the second panel discussion 'Panel 1.B: EESP and e-Evidence Exchange System interaction'

   o Sub-section 2.9 is related to the overview of the CASE language and its future under the 'Forensic Tools with CASE support' session;

   o Sub-section 2.10 is related to the overview of the CASE language and its future as viewed in the 'Report tools conversion: caseConverter application' session;

   o Sub-section 2.11 is dedicated to the third discussion under 'Panel 2: Type of Evidences/Traces - Forensics Tools companies and FL/LEA perspective on CASE';

   o Sub-section 2.12 is dedicated to the fourth discussion under 'Panel 3: EP retention - for how long should/can the EP be kept both in FL/LEA

and CA systems information cases? EP disposal: how should the EP be disposed of? Evidence Exchange legal grounds';

- o Sub-section 2.13 is related to the 'Exchange of Large File of Evidence issues and possible solutions. Scenario A: use of a temporary storage area under CA responsibility. Scenario B: direct communication between two LEAs (under CA control?)' session;

- o Sub-section 2.14 is dedicated to the fifth discussion under 'Panel 4: Exchange of large file of Evidence, how to deal with this issue?';

- o Sub-section 2.15 presents the sixth discussion under 'Panel 5: Other platforms in use for the Evidence Exchange - INTERPOL I-24/7, EUROPOL SIENA, NFI HANSKEN';

- Section 3 summarizes the feedback collected during the workshop.

Participants of this workshop represented various stakeholders and experts from digital forensics and legal domains and software companies developing forensics tools, such as MSAB[1] and Magnet Forensics[2]. Both of these companies had already showed interest in adopting this standard to produce the output of their tools fully complied with the UCO/CASE language formalism.

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[1] https://www.msab.com

[2] https://www.magnetforensics.com