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Promote Judicial Cooperation in Criminal Matters**

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EVIDENCE2E-CODEX

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

**Functional, Technical Description of the Code for the
Show Case**

Deliverable D3.5

The contents of this deliverable are the sole responsibility of the authors and can in no way be taken to reflect the views of the European Commission.



Executive Summary

This deliverable, D3.5 “Functional, Technical Description of the Code for the Show Case” (hereinafter “Deliverable D3.5”) describes the architecture of the evidence packaging system for exchanging of investigation related information and evidence between Competent Authorities and Forensic Laboratories of member states that are collaborating in the investigation.

The content of this Deliverable is the following:

- Section “Use Case Scenario under EIO” describes the timeline of an investigative case (Use Case) within an European Investigation Order involving Germany (Issuing State) and Italy (Executing State) in order to describe how the Evidence Package (meta data and data relating to an evidence) is prepared and transferred/exchanged between the involved stakeholders: Forensic Laboratory, Law Enforcement Agency, national Competent/Judicial Authorities.
- Section “EESP Application Overview” briefly describes the Evidence Exchange Standard Package (EESP) application that is used to prepare the Evidence Package (EP) and to facilitate its transfer/exchange, in a secure manner, between the national FL or LEA and the CA or between CAs in different member States through the Reference Implementation portal (R.I. portal) and over e-CODEX. It also provides the main use-cases of the EESP application in preparing and exchanging the Evidence Package between the involved stakeholders under the European Investigation Order legal instrument.
- Section “EESP application overview” explains the EESP application, which has the primary function of preparing the Evidence Package and facilitating its exchange via the Reference Implementation portal and over e-CODEX.
- Section “EESP Application: Types of Uses” illustrates the main context where the EESP application is used.
- Section “Evidence Packaging and Unpackaging” explains in detail the two mechanisms that occur during the transfer/exchange processes.
- Section “Packaging Services: Architecture, API and Functionality” explains the architecture of the packaging services and their API;



- Section “Data and Metadata Management” describes the data and metadata management in the Evidence Package.
- Section “Security, Encryption and Communication Protocols” goes into the details of the security encryption and communication protocols.
- Section “Conclusion” contains the conclusion of this deliverable which summarises the obtained outcomes and issues that still need to be addressed.

