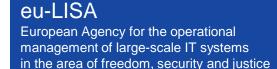eu-LISA

European Agency for the operational
management of large-scale IT systems
in the area of freedom, security and justice

IT Security of EU institutions
- *eu-LISA model* -

Brussels, 14 November 2013

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Agenda

o Eu-LISA - Background

o Three Large Scale IT Systems in JFS area

o Security Model

o IT Security in the EU Institutions –
   Improvement-

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eu-LISA - Background

EC Regulation 1077/2011 for the establishment of the Agency as Management Authority of Large Scale IT Systems in JFS areas:

SIS II, VIS and EURODAC

The Agency is responsible for the operational management and security of the Central Systems and of the

Communications Network

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Three Large Scale IT Systems in JFS area

1. **SIS II** – 30 Schengen Area States (26MS+4NonMS) + EUROJUST and EUROPOL - Connected to several law enforcement national networks

2. **VIS** – 29 States (Schengen Area States + other) – Connected to Ministry of Foreign Affairs networks reaching several world regions (Africa, Middle East, soon South America and Russia)

3. **EURODAC** – 32 EU Countries - mainly connected to immigration services

…and the Communications Network: common secure transport vector

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Security Model

eu-LISA and the **three IT Systems** are security governed by their own:

- **EC Establishing Regulation** (legal base)
- Series of adopted **Security Plans** and related **policies** and **procedures**
- eu-LISA is developing a **Risk Management Framework** to baseline common security measures to improve the controls of the Central Systems

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Security Model

- The Central Systems are technically conceived to be **NOT connected to the Internet**, but only to authorised institutional networks through controlled national interfaces

- Following the **self-protecting node** principle, a set of border protection controls "defend" the systems from typical interconnection risks (i.e. viruses) or other known attack vectors

- **Strong monitoring** and **audit controls** are implemented at central level as preventive and detective measures

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IT Security in the EU Institutions
- Improvements -

1. Set **IT Security standards** at EU level for an **end-to-end** approach. Need an **EU body to follow up** and **implement** such **standards**

2. IT Systems architectures based on **risk assessments** processes to assure cost effective security and privacy, **by design**

3. Security "**certification**" processes

4. Integrated **Identity Management and Information Labeling controls,** both as enabler for an effective assurance on information access

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Thank you