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EU External Borders – streamlining of information exchange

Implementing carrier communication channels in eu-LISA's systems – concrete planning



eu-LISA Industry Roundtable 2018

Sofia, BG, 16 May 2018



Outline

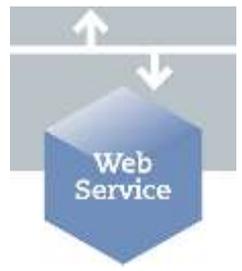
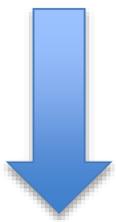


- Putting things in context
- Eu-LISA's role in centralised EU information exchange
- Role prerequisites
- API/PNR feasibility study overview
- eu-LISA's considerations
- Q & A

Putting things in context



Need for carrier communication channels



eu-LISA's role in centralised EU information exchange (1/4)

“High-Level Expert Group (HLEG) on information systems and interoperability” – **FINAL REPORT**



Recommendation related to “Communication with carriers” in relation to Advanced Passenger Information (API) & Passenger Name Records (PNR)

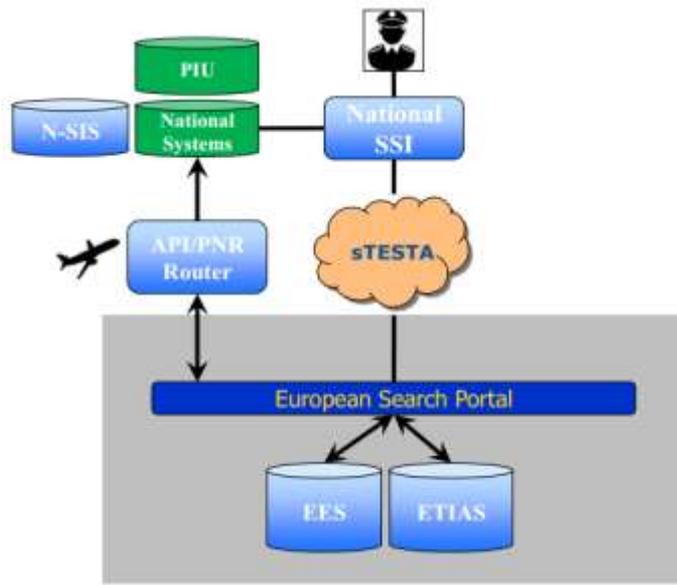


Figure 13 A centralised router for API data

Recommendations by the group

RECOMMENDED



For API

- The Commission should undertake a feasibility study on a centralised mechanism for advance passenger information (API), including the need for a centralised router. The aim would be to enable interested Member States to have a one-stop-shop connectivity for airlines and providing API data both to national systems and to central systems (EES, ETIAS).

Recommendations by the group

RECOMMENDED



For PNR

- Member States should ensure the full implementation of the PNR Directive according to the schedule set down in the legislation.
- The Commission should consider extending the feasibility study for the implementation of a centralised API router and also analyse its use for passenger name records (PNR). The aim would be to enable interested Member States to have a one-stop-shop connectivity for airlines and providing PNR data to national systems.

eu-LISA's role in centralised EU information exchange (3/4)



eu-LISA's vision

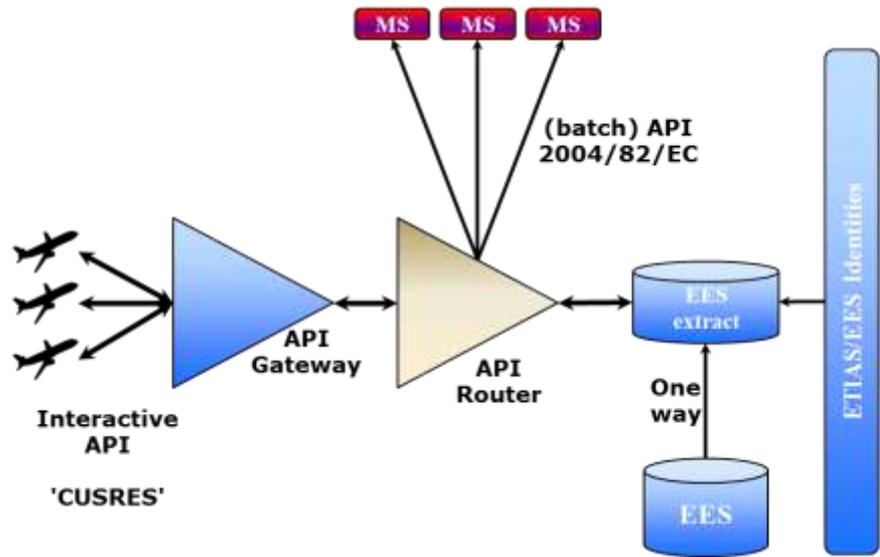
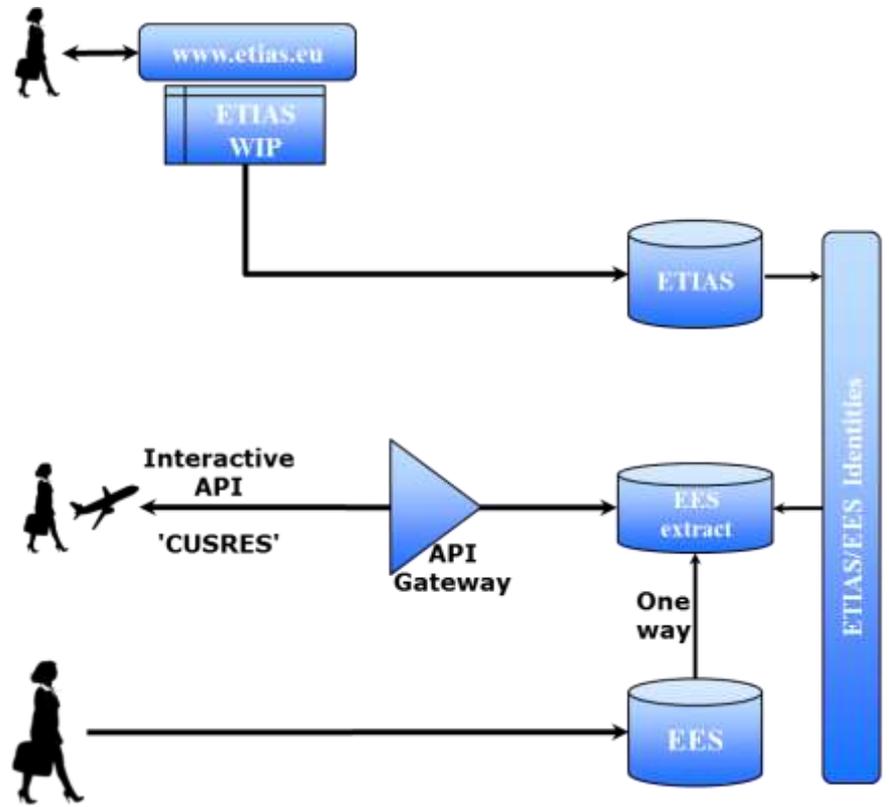
*“The agency’s **core mission** is to be dedicated to continuously add value to Member States, supporting through technology their efforts for a safer Europe”*

Eu-LISA's role in **streamlined EU information exchange**:

- Hosting the centralised solution to offer one-stop-shop connectivity for airline and provision of API/PNR data to national systems (**subject to the feasibility study results**)
- Reinforcing data quality checks as leader in Data Quality Action Plan initiative at EU level



eu-LISA's role in centralised EU information exchange (4/4)



ETIAS, EES as well as centralised API/PNR Gateway/Router developed, hosted and operationally managed by 

Eu-LISA's establishing regulation & reform



- eu-LISA's mandate **update** to enable the agency to
 - develop its monitoring capacity for **data quality**
 - implement **technical changes to existing systems**
 - establish **new information systems** and
 - work towards achieving **interoperability** between systems
- eu-LISA needs a **mandate** to host a centralised EU information exchange solution (API/PNR Gateway/Router)
- **Article 12** in eu-LISA's reformed proposed mandate
 - *"...eu-LISA may also be tasked to develop, manage and/or host **common systems established by a group of at least six (6) Member States** opting for a **centralized solution** on a voluntary basis, subject to prior approval by Commission..."*



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (1/6)



• Project Team



- DG HOME (Units D1 – PNR, C2 – API, B3 – Smart Borders Implementation)
- eu-LISA (Smart Borders Implementation Team)
- EBCGA (Border control –API Implementation Team)
- U2 Consortium (the study contractor)

• Study timeline



Study started in **April 2018**



Finalisation **within 6-months period**



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (2/6)



• Purpose



– provide an **assessment of the technical feasibility** of a **central routing mechanism** that would function according to the principle that

- air carriers send passenger data (API/PNR)
- at appropriate time points
- to a single point



– also called the '**central routing mechanism/capability**' or the '**centralised router**'



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (3/6)



- **Three (3) distinct needs to be covered**

1. **interactive pre-border check verification** as required by the EES/ETIAS regulations

- ✓ check against the VIS/EES for **visa-required travellers** (unexpired valid visa & remaining duration of authorised stay)

- ✓ check against ETIAS/EES for **visa-exempt travellers** (valid travel authorisation & remaining duration of authorised stay).



Air carriers would receive the answers via the same central routing mechanism.

ANSWER: OK/NOT OK



2. **verification for border control purposes** according to the API legislation (current directive).



3. **Passenger Information Unit (PIU) PNR data analysis for law enforcement purposes**, pursuant to the PNR Directive.



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (4/6)



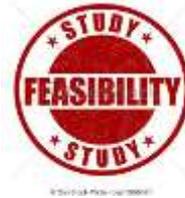
- **Study outcomes**



- Business case report



- Feasibility Study report



- Resource requirements report



- Data protection, legal aspects and privacy impact assessment



- Proof of Concept (PoC) definition



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (5/6)



- **Study current status**

- Execution according to the time-plan foreseen
- Meeting held with LU to familiarise with their API/PNR Gateway solution
- On-going meetings with IATA and other airline associations + representative airlines
- Preparation for benchmark visits to UK and Canada
- Parallel work on study deliverables preparation, according to milestones set for the current period
 - Project Management Plan (PMP)
 - Business Case



Feasibility study on a central routing mechanism for advanced passenger information (and PNR) (6/6)



- **Eu-LISA's involvement/contribution**

- Close follow-up in relation to EES/ETIAS implementations
- Technical support provision
- Visit to eu-LISA's Operational Centre
 - Interviews with key people involved in EES/ETIAS implementations if needed
- Meetings active participation
 - Induction workshop with U2
 - Face to face meeting with LU in relation to their API/PNR Gateway solution



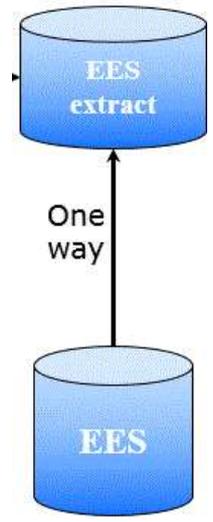
eu-LISA's considerations on top of the study

– The **"EES extract"**, EES Regulation Art 13, par 5

- Architectural design
- Extraction process
- Security

*"...The EES web service shall make use of a **separate read-only database** updated on a daily basis via a **one-way extraction** of the minimum necessary subset of EES and VIS data.*

*eu-LISA shall be responsible for the **security of the web service**, for the **security of the personal data it contains** and for the **process of extracting** the personal data into the separate read-only database...."*



- How to further ensure network availability
- Operational requirements





Thank you for your attention!

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