B2C-C2B TIR Computerization latest progress Presentation to GE.1

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Philippe Grosjean, CIO

IRU International Road Transport Union

TIR Computerisation - Introduction

- Customs, IRU and national associations are working in close partnership to computerize TIR

- The TIR system is supported by efficient, secure message exchange mechanisms & risks management systems

- A central TIR system operated by the IRU is connected with all key Customs and national associations
  - TIR-EPD: 29 connected countries
  - Real-Time SafeTIR (RTS): 18 connected countries

- TIR-EPD and RTS used jointly allow full computerization of the processes between Customs and IRU

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Most Secure Hosting Facilities in Switzerland

- ✓ IRU systems are hosted in two highly secure Swisscom data centers
- ✓ Located in Bern in the heart of Switzerland
- ✓ 24/7 monitoring and operations
- ✓ Guaranteed business continuity
- ✓ Green IT

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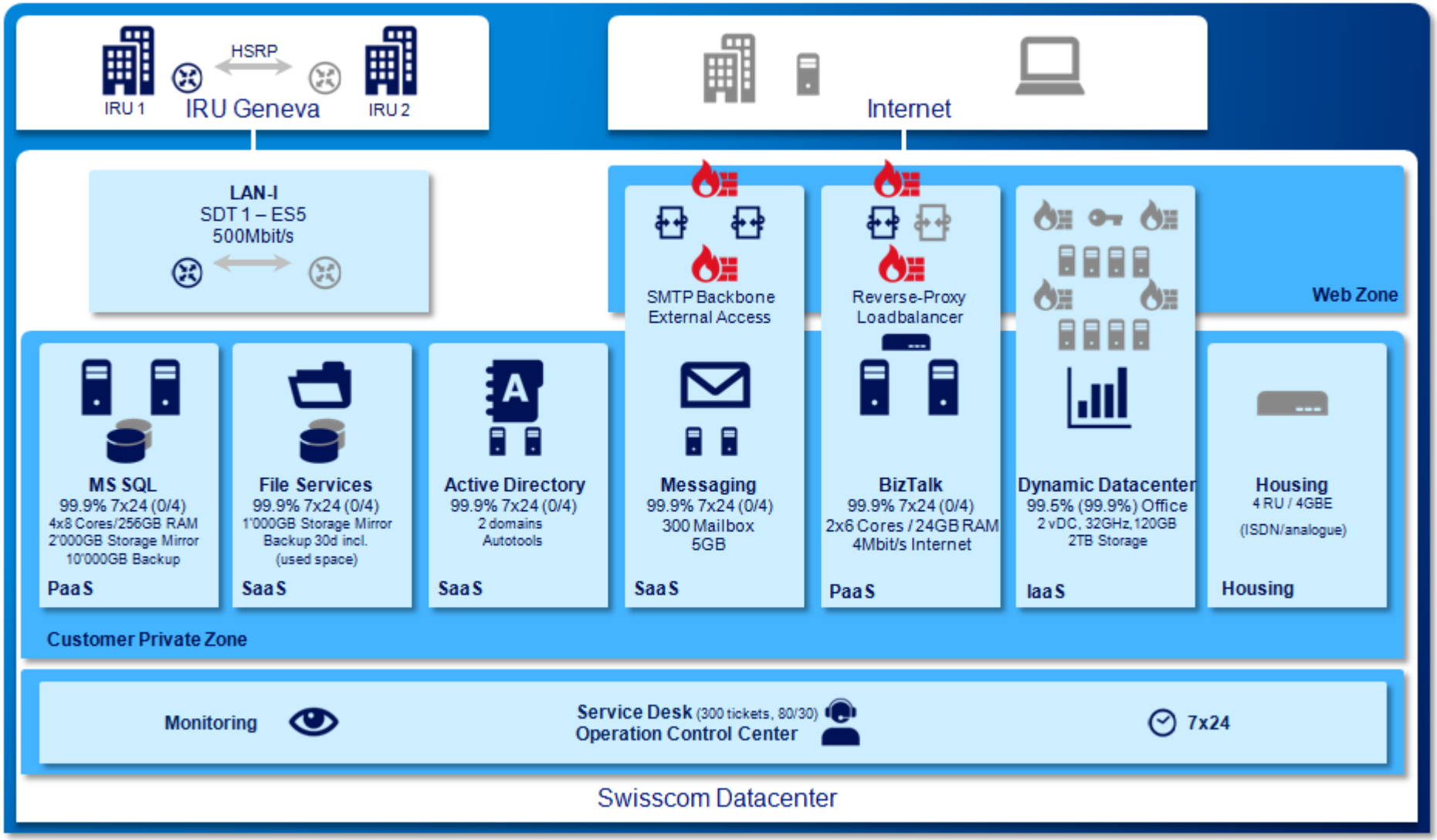
IRU Hybrid Cloud High-Level Architecture



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Software Factory & Agile Methodologies

Goals

- Collaborative
- Result oriented
- Matching business needs
- Bringing proven results
- Moving fast

Agile Methodologies: Scrum, Kanban, XP, TDD
Software factory: Continuous Integration, Continuous Deployment

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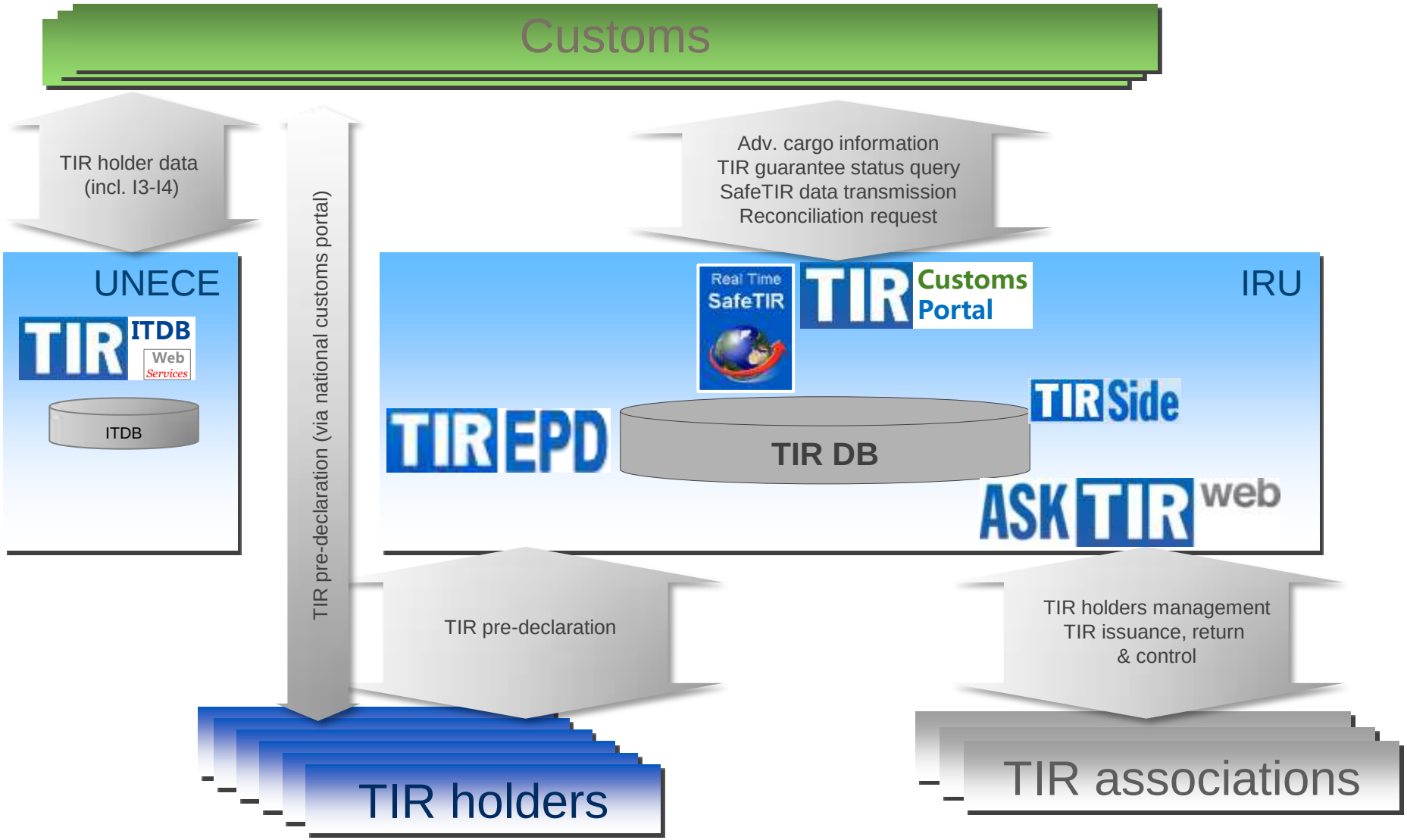
Current computerization of TIR



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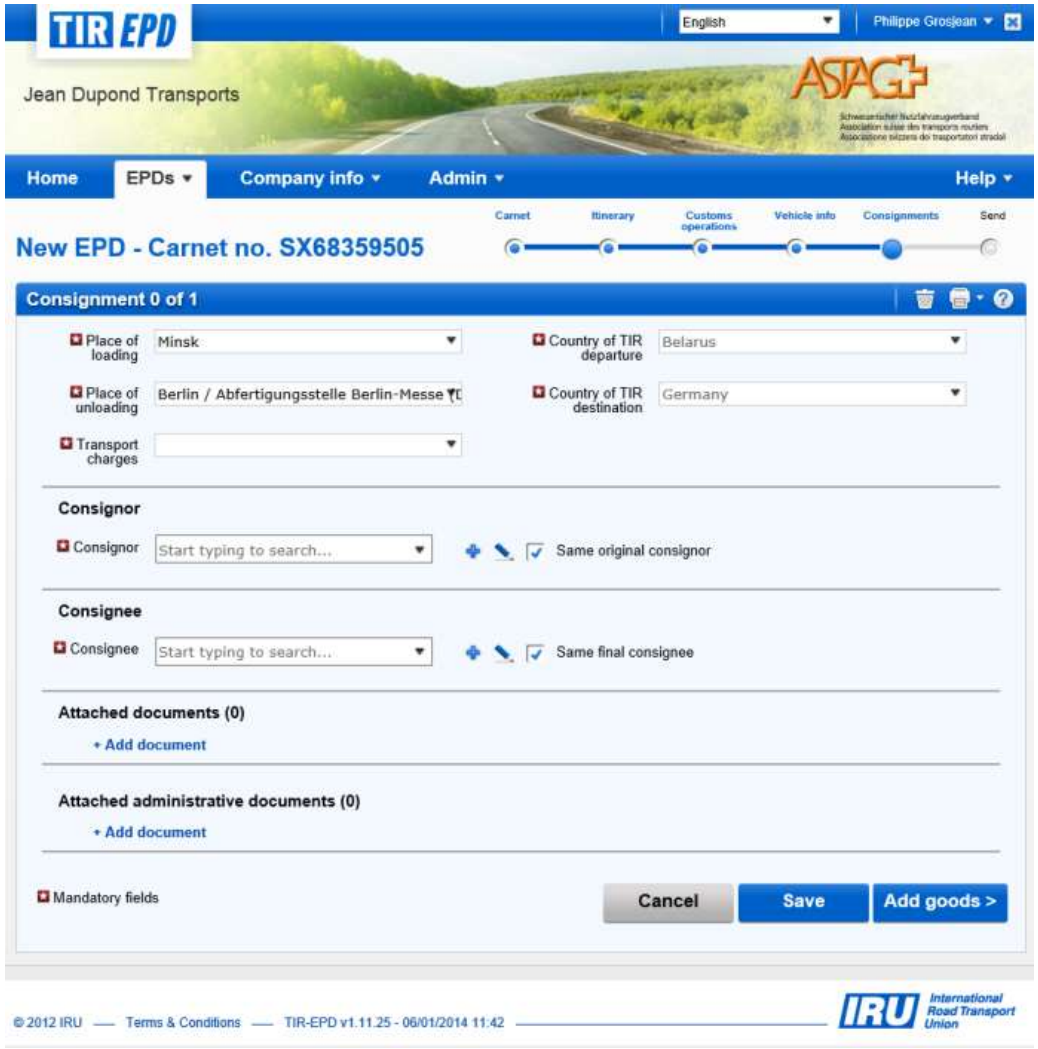
TIR Holder Portal



TIR-EPD Key Features & Benefits

- Fully secure (inc. central DB check)
- Free of charge
- Data import
- Commercial data kept confidential
- EPD sent simultaneously to all countries
- Multilingual user interface
- Accessible via the internet from anywhere in the world
- 29 connected countries

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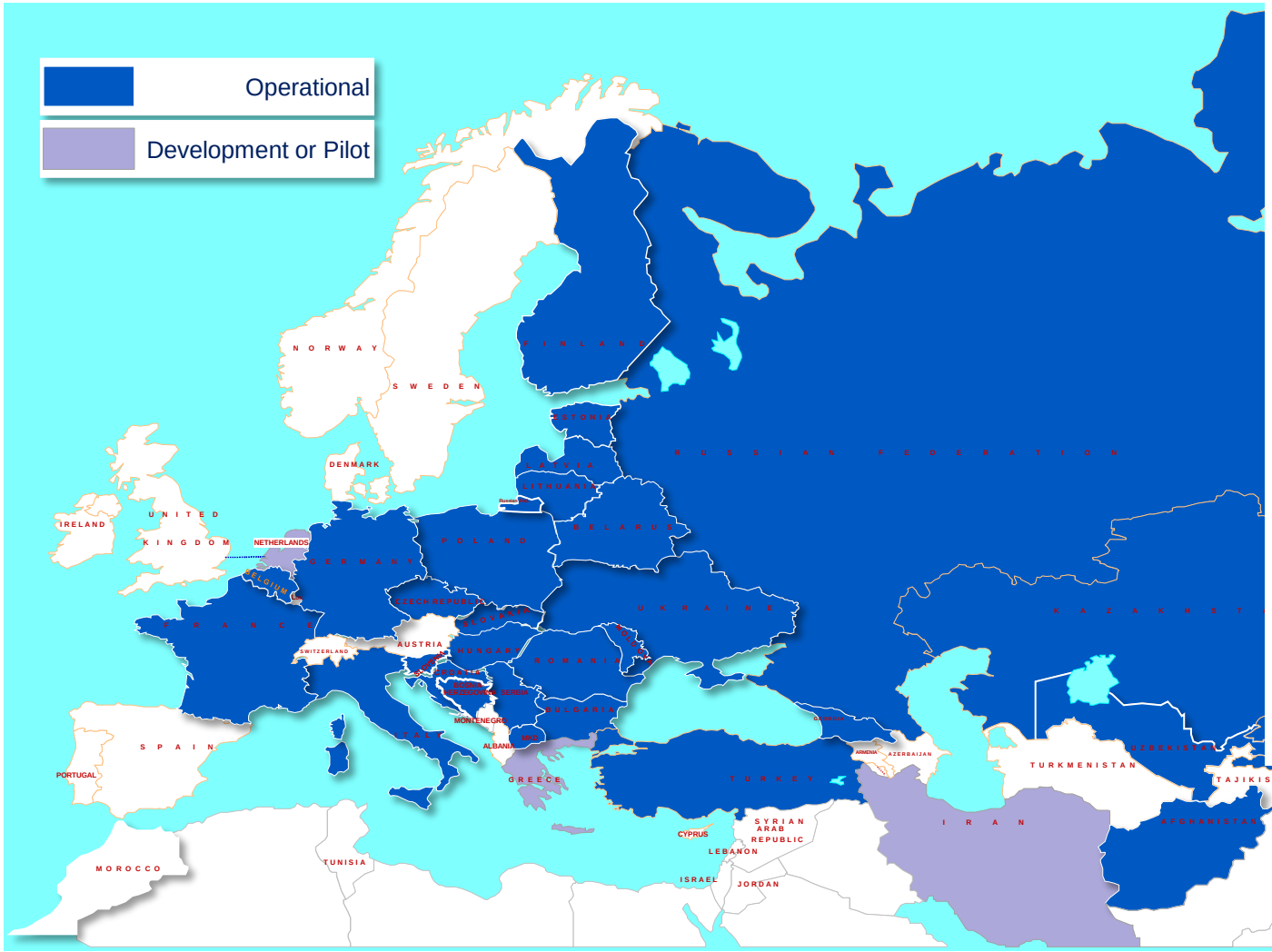
TIR-EPD Geographical Coverage



29 operational countries (new: Italy, Kyrgyzstan)

3 in development or pilot stage

- Greece
- Iran
- Netherland

TIR-EPD countries correspond to **98%** of TIR carnets issuance

~ 50'000TIR-EPDs sent per month

Over 1 000 000 TIR-EPDs submission reached

25% of TIR Carnets have accompanying TIR-EPD

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Real-Time SafeTIR (RTS)

Real-Time SafeTIR Key Features & Benefits

- Secure real-time guarantee check
- SafeTIR data transmission
- Data reconciliation
- 18 connected countries

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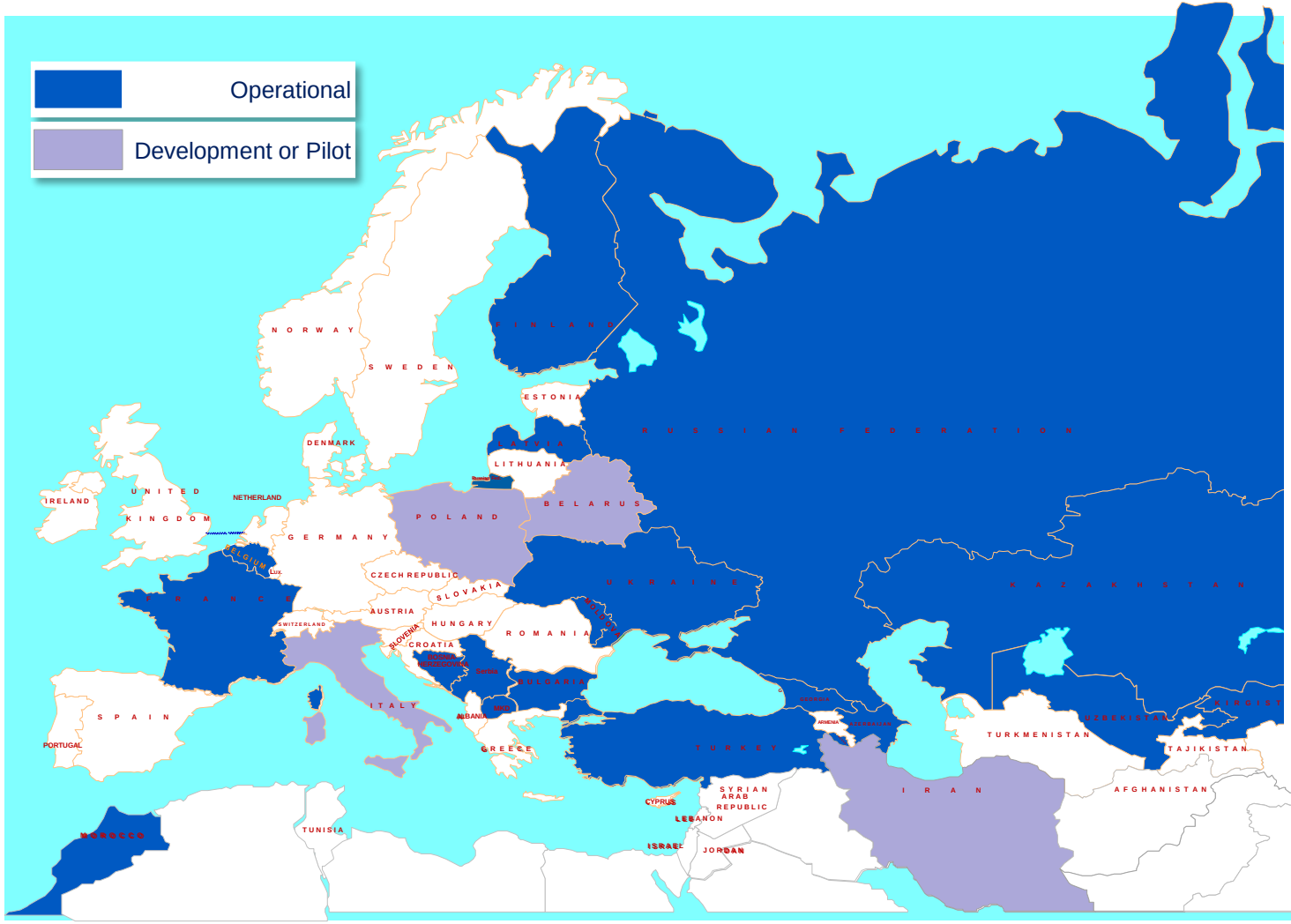
Real-Time SafeTIR Geographical Coverage



Now 18 countries in total

4 in development or pilot stage

- Iran
- Italy
- Poland
- Belarus

80% of the SafeTIR data

Reconciliation live in Kyrgyzstan, almost finalized in Turkey & in test in Uzbekistan

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NEW: TIR Customs Portal

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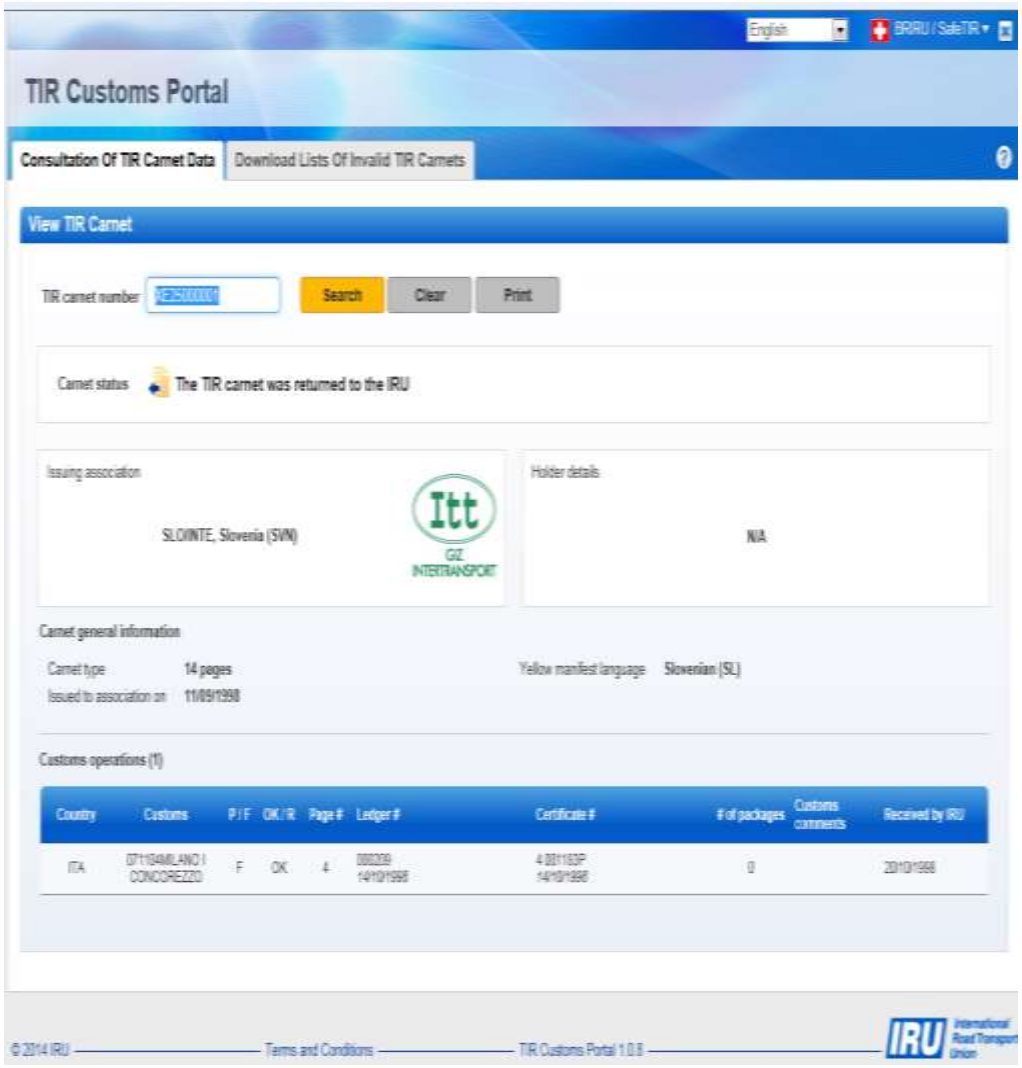
TIR Customs Portal



TIR Customs Portal Key Features & Benefits

- Accessible by all customs officers via the internet from anywhere in the world
- RTS Fallback
- Up-to-date guarantee status
- Online control of TIR Carnet validity
- Online transmission of SafeTIR data

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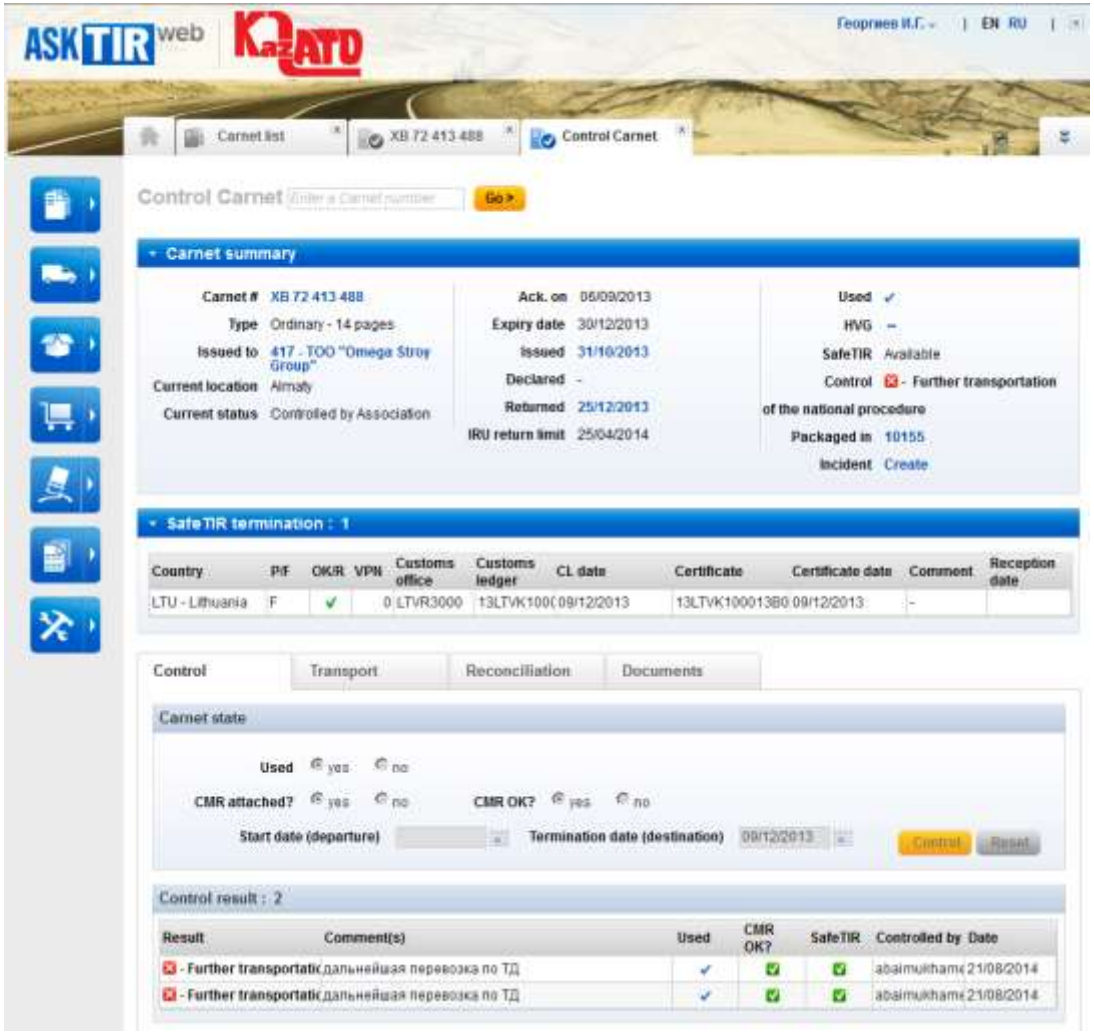
TIR Association Portal ASK TIR web



AskTIRweb Features & Benefits

- TIR Holder admission process
- TIR Carnet issuance and return
- Risk management
- Available in national languages (Chinese & Farsi coming soon)
- Web service interface and management of electronic guarantees under development
- 24 associations in operation

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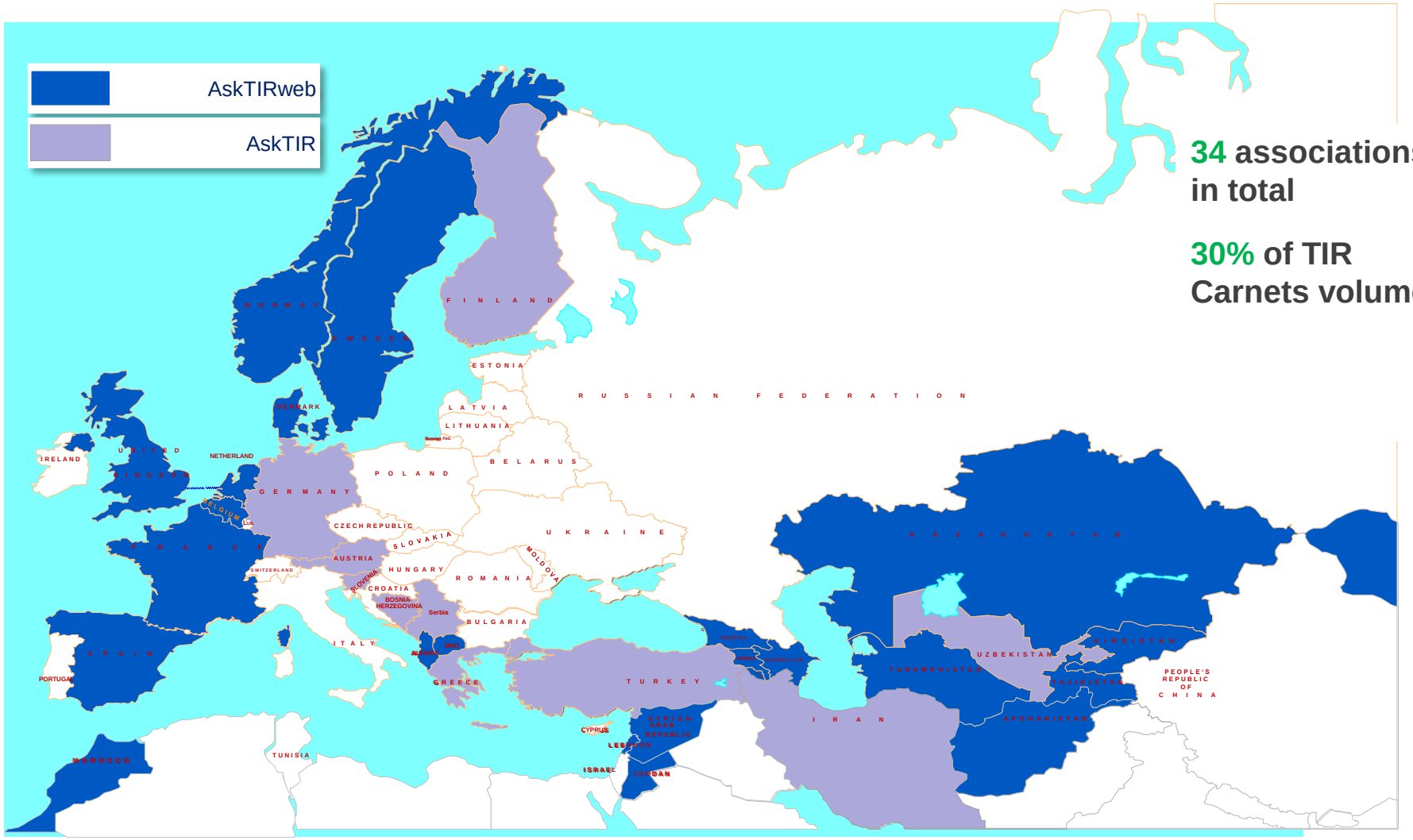
AskTIR-AskTIRweb Geographical Coverage



34 associations in total

30% of TIR Carnets volume

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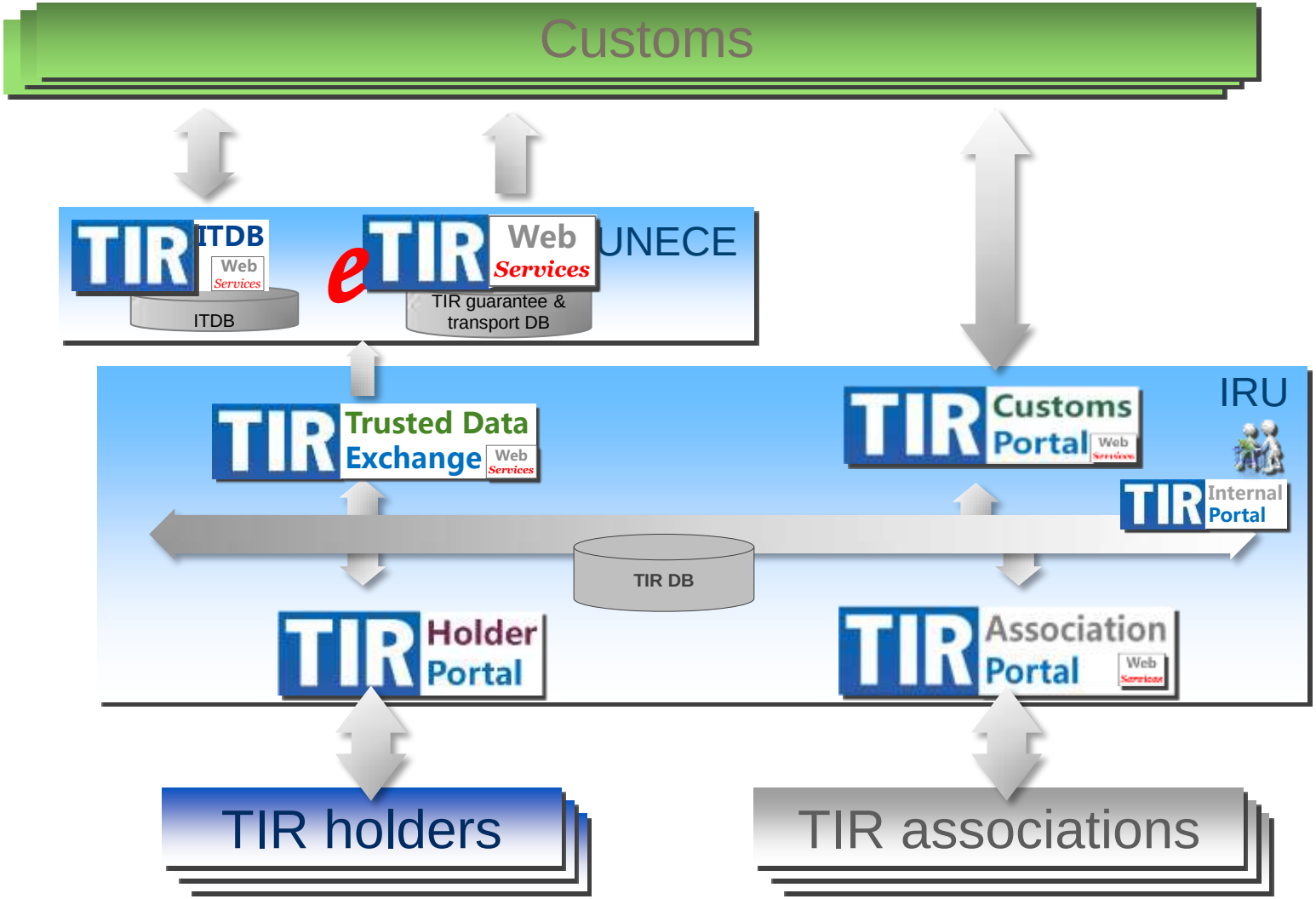
Short term focus: eTIR pilot



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Conclusion

- Further great progress achieved thanks to close partnership with Contracting Parties

- Focus moving forward:
  - Implement ability to issue and manage electronic guarantees & demonstrate that TIR can work paperless
  - UNECE-IRU joint eTIR Pilot vision: to make the first (simplified but yet realistic) step towards the implementation of a fully functional eTIR system, as described in the eTIR Reference Model.

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