# Baltic-Adriatic & Amber Rail Freight Corridors
## *RAG-TAG Meeting 2022 – Story Board*

**Baltic-Adriatic RFC**

*Prague, October 7th 2022*

# Agenda

1. Introduction by Managing Directors and RAG/TAG Speakers

2. Intervention by the European Coordinator of the Baltic-Adriatic Corridor and her adviser

3. Presentation by the Baltic-Adriatic Corridor

4. Presentation by the Amber Corridor
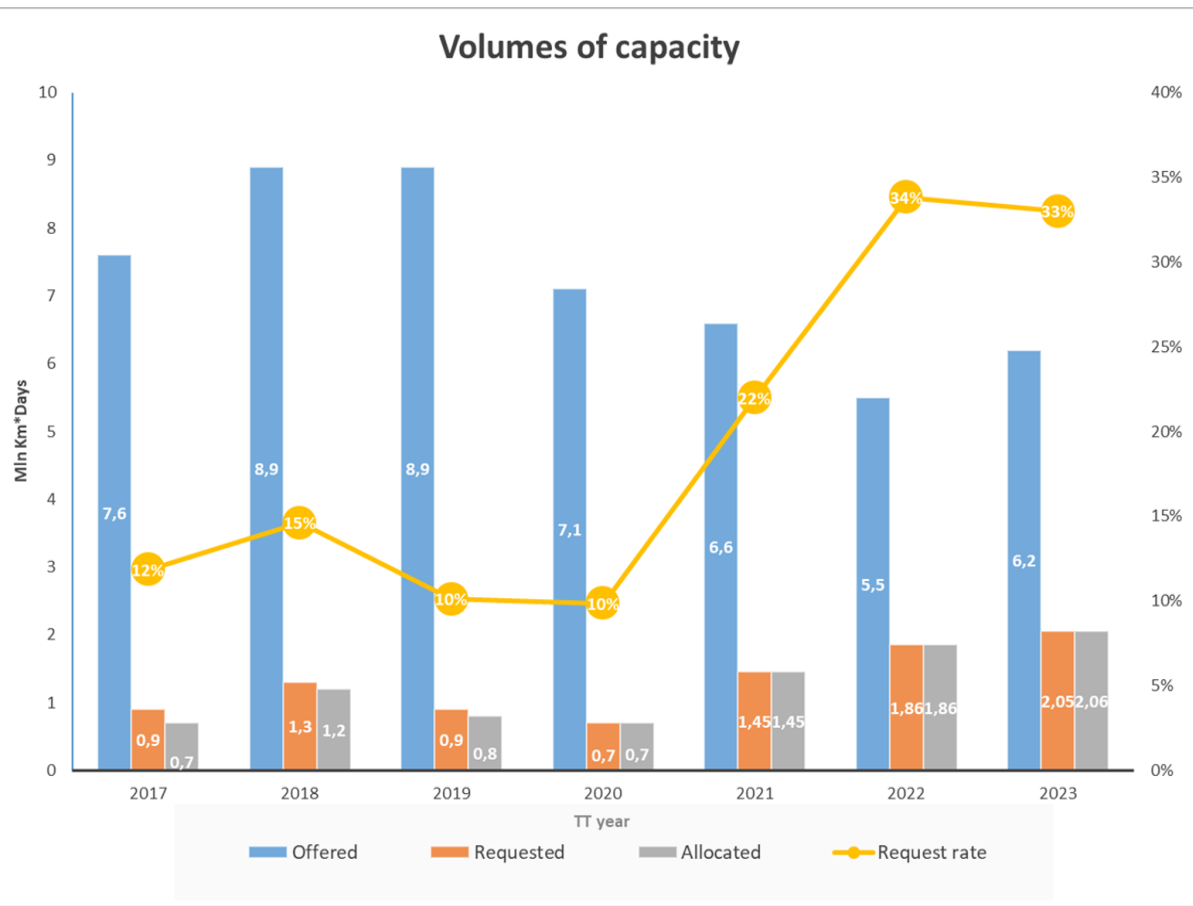
5. Joint presentation: ICM case study

6. Presentation by the RAG&TAG Speakers

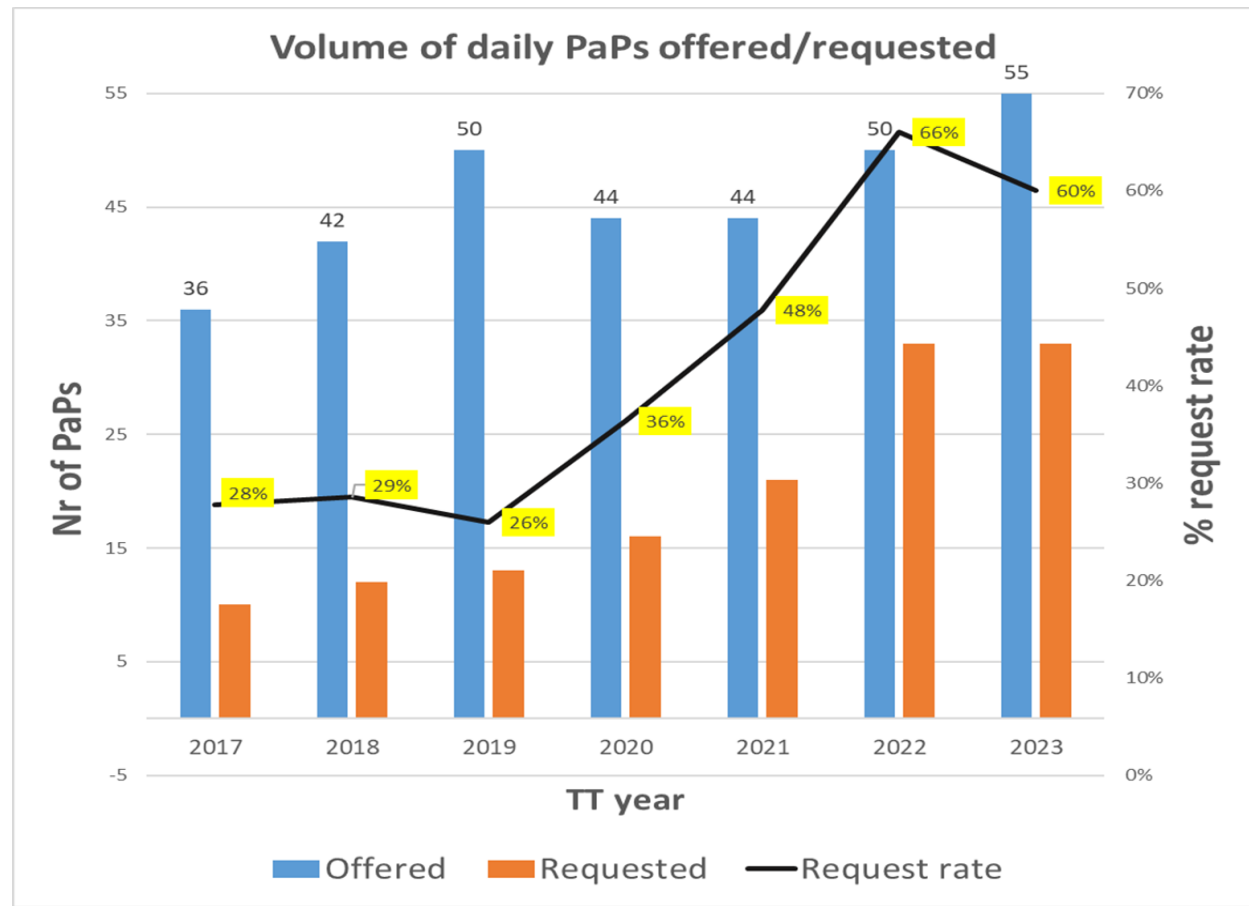7. Interactive sessions

8. AOB and conclusions

# Corridor capacity offer KPIs

**Trend of PaPs– excluding feeder and outflow- capacity volumes overall RFC5**
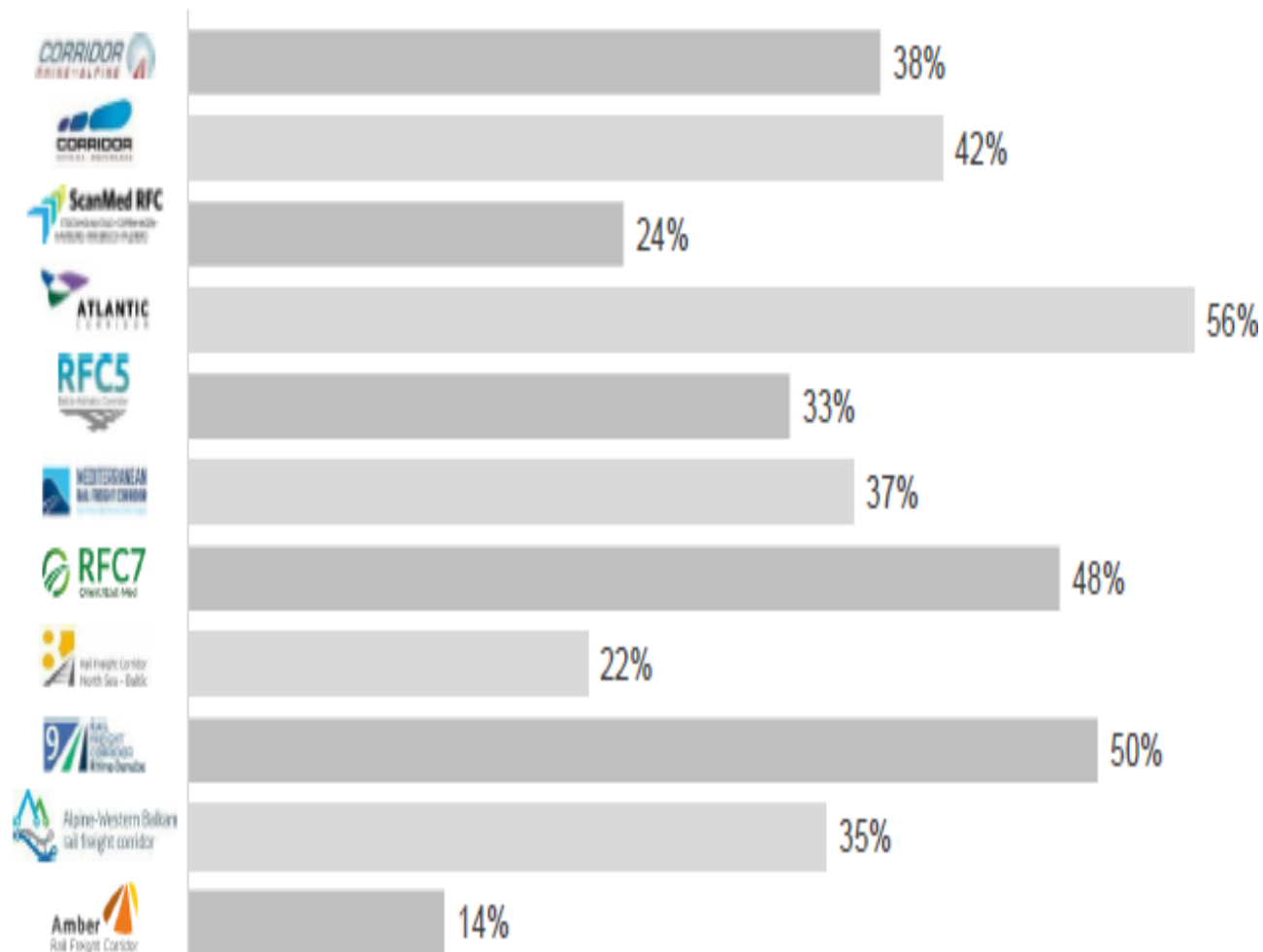


*Source: PCS – C-OSS (elaboration)*

**Trend of PaPs – quantity**



*Source: PCS – C-OSS (elaboration)*

# Corridor capacity offer KPIs

**Ratio of pre-booked capacity- RFC Network - TT2023**



**Ratio of capacity allocated by all RFCs C-OSS per borders**

| Border | | TT | | |
|---|---|---|---|---|
| | | 2020 | 2021 | 2022 |
| PL-CZ | Petrovice u Karviné - Zebrzydowice | 11% | 16% | 14,3% |
| | Bohumín-Vrbice - Chałupki | 7% | 3% | 6,2% |
| | Lichkov - Międzylesie | 7% | 0% | 0% |
| CZ-SK | Čadca - Mosty u Jabl. | 75% | 73% | 18,6% * |
| AT-SK | Bratislava-Petržalka - Kittsee | 5% | 10% | 1,3%* |
| | Devínska Nová Ves - Marchegg | 0% | 0% | 0% |
| AT-CZ | Břeclav – Hoenau | 4% | 10% | 9,5%* |
| AT-SLO | Spielfeld-Straß - Šentilj | 6,4% | 8% | 10,7% * |
| IT-AT | Villach - Tarvisio B. | 1,6% | 4% | 3,9% |
| IT-SLO | Sežana - Villa Opicina | 9% | 10% | 11%* |

*Source: RNE*

*Baltic-Adriatic RFC- RAG-TAG 2022*

# Capacity offer: improvement actions

**Marketing**
Improving our market knowledge and our offer according to **customer wishes**

**Premium products**
Developing together with RFC 5's expert premium products

**Short term offer**
Going beyond the Reserve Capacity offer

**Monitoring**
Setting up a portfolio of KPIs that are constantly monitored

- TT2023: 83% wishes fulfilled

- Supporting the European TMS feasibility study

- Longer PaPs
- Heavier PaPs
- Priority for PaPs trains in ICM case

- Short term capacity
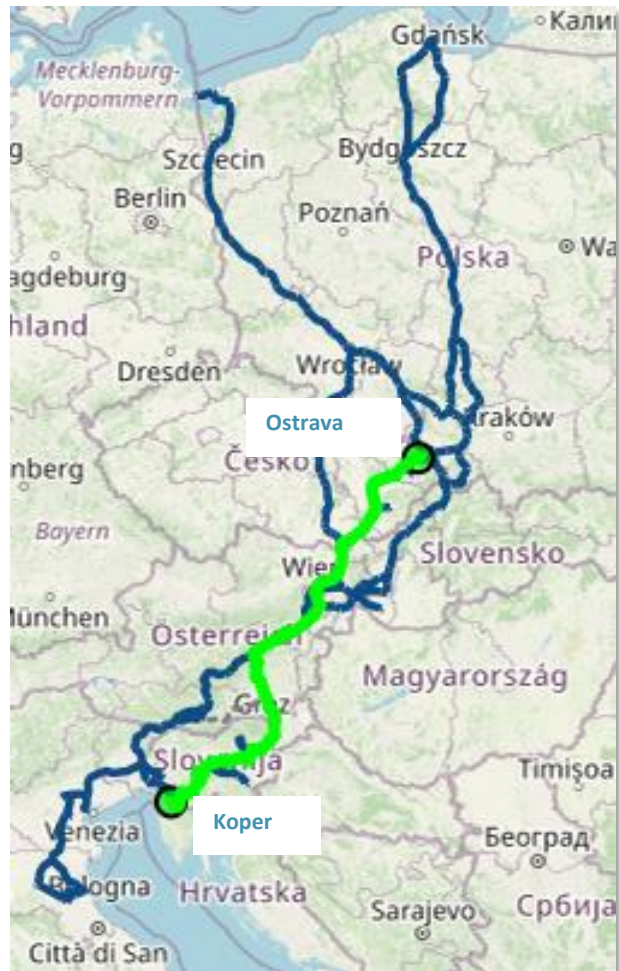
- New internal manual
- Introduced new KPIs

# Capacity offer: premium products



*ExtraLong train* PaPs *from/to port of* *KOPER* and *Dobra FM:* offer of **PaPs** for **trains longer than allowed (525m → 590m)** thanks to **operational measures**



*ExtraHeavy train* PaPs *from/to port of* *Trieste* and *Pordenone* and *Villach:* offer of **PaPs** for **trains heavier than standard allowance (1600t → 1800t)**
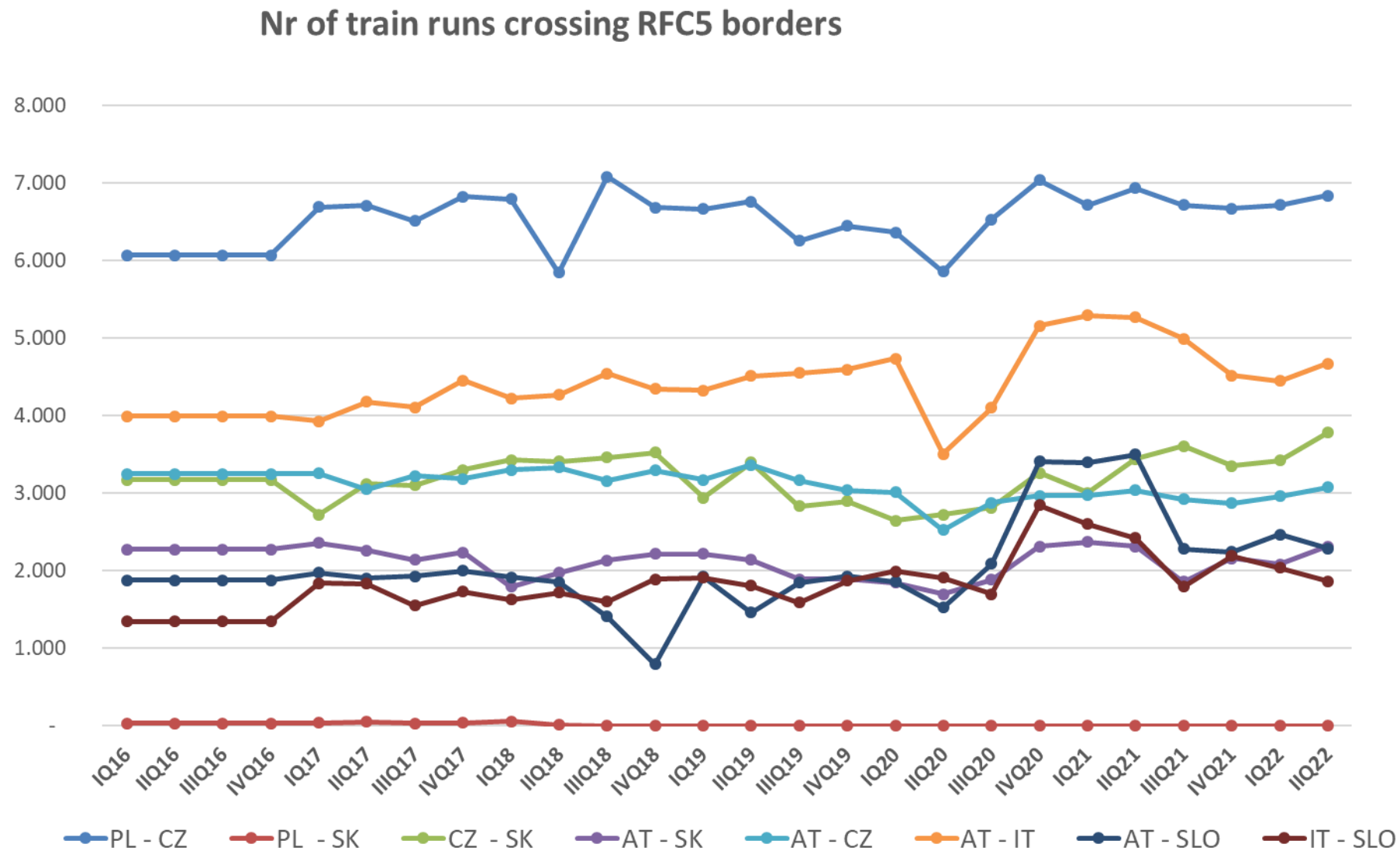
# Corridor market KPIs

Additionally:
- Gross tons
- Train*Km

Nr of train runs crossing RFC5 borders

Legend: PL - CZ, PL - SK, CZ - SK, AT - SK, AT - CZ, AT - IT, AT - SLO, IT - SLO

# Traffic&Performance management

**Impoving the data quality and usage of RNE TIS**
Improving data quality of performance reports

**Integration of Terminals IT systems with TIS**

**ICM**
Improving the ICM process and providing support in real cases

**Monitoring**
Setting up a portfolio of KPIs that are constantly monitored

- Supporting the RNE DQ WG activities

- Supporting our terminals

- ICM case study
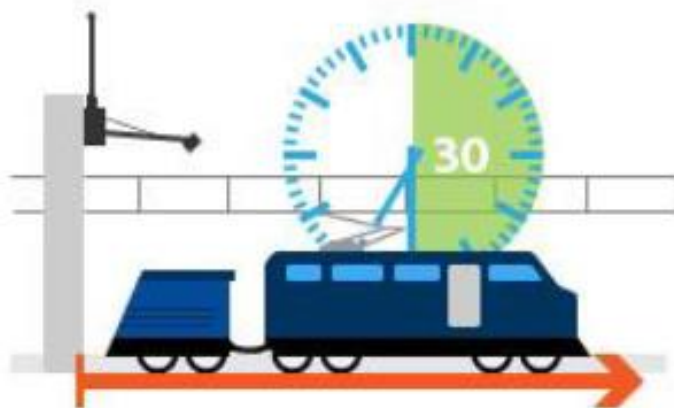- Support in real case
- Priority for PaPs in case of an ICM

- New internal manual
- Introduced new KPIs
- Operational bottlenecks monitoring

# Corridor operations KPIs

In the pipeline:
- Dwell times at borders

**Punctuality at origin (RFC entry)**



(delay ≤ 30 minutes)

| | | |
|---|---|---|
| **2021:** | | **50.0%** |
| 2020: | | 50.0% |
| 2019: | | 48.0% |

**Punctuality at destination (RFC exit)**
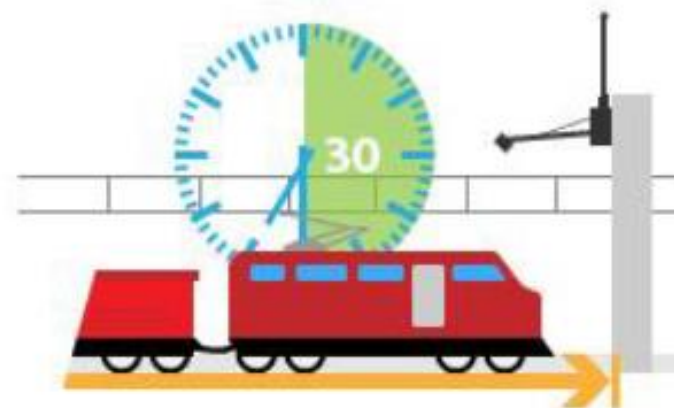


(delay ≤ 30 minutes)

| | | |
|---|---|---|
| **2021:** | | **34.0%** |
| 2020: | | 38.0% |
| 2019: | | 32.0% |

# ICM PaPs priority pilot

- **Trains running on PaPs allocated by RFC5 have a priority in rerouting in case of ICM**

- **The scope is PLK, SZCZ, ZSR**

- **Started in TT2022, 1 year validity, possibility of extension tbd**

- **GT&C published with CID 2022 Annex G**

# Operational bottlenecks

3Q 2022 update

Baltic-Adriatic Corridor

| BOTTLENECK | WHERE | SOLUTION/MEASURES | WHO | STATUS | NEXT STEPS & ACTIONS |
|---|---|---|---|---|---|
| Communication between TCCs in case of big disturbances | ALL | 1. Implementation of handbook ICM<br>2. RNE language programme.<br>3. Use two languages predefined messages (TIS Incident Management tool)<br>4. For the future it would benefit to have English staff 24/7 in the national traffic control centres | IMs | 1. ICM handbook reviewed.<br>2. Ongoing IM-IM communication pilot with translation tool. The IM-RU pilot „T4R II" has finished succesfully. Daily telcos btw SLO-AT NTCCs since Jan 8th 2020, weekly telco AT-HU since March 2022.<br>3. TIS Incident Management tool already installed<br>4. Implemented from 2019. English speakers level A2+ by end of 2019 (for PLK, SZCZ, ZSR later) | 1. Follow up of ICM case studies<br>2. Pilot Oebb-RFI ongoing; Pilot VISE ongoing; a new pilot IM-RU will start<br>3. RNE is working on better targeting addressees |
| Locos change at the borders. | ALL | Multi-operating locos,<br>Faster loco change. | RUs | In Tarvisio there is a project to allow italian RUs to drive to Villach Sud. The effect is to have more infrastructure capacity. Timeline not fixed yet. | Xborder project to be started |
| Technical inspection of rolling stocks at borders. | ALL | Better trust/cooperation among RUs. | RUs | It should be investigated within issuelog2.<br>Between SLO and AT most trains are on trust (no technical inspection at border) | For every border, to ask RAG how many % are already on trust. RUs should have more agreements for trains on trust. |
| Tail lights. | Tarvisio, Villa Op. | Test on lines Brennero-Verona-Vicenza-Treviso-Udine-Tarvisio started on 10th Dec 2017. | RUs, RFI | Since 03/21 most of RFI lines are interested by the test. | No critical issues reported by RFI in 2022. |
| Communication between cooperating RUs. | ALL | To order international train paths instead of two national paths (e.g. via PCS). From IMs side the task to do is to implement interfaces with PCS. | RUs, Ims | RNE collected PCS interfaces implementation plans: IMs ready by 2024. RFC5 monitors needs for double requests and foster interface development (e.g. PLK-RNE meeting) | SZ-I is beneficiary of the project and will implement by 2024<br>PLK ongoing process |
| Cross border system communication | ALL | Usage of TAF-TSI messages for data communication in planning&operations (train composition) between RUs | RUs | Ask RAG if RUs are using it and if they recognize it as bottleneck | Ask RAG |

# CIP: TEN-T Requirements statistics

| TEN-T Requirement | Fulfilled (RNE CIP, Data 2022) | Fulfilled (TEN-T CNC Study, Data 2020) |
|---|---|---|
| Axle Load ≥ 22,5t | 88,87% | 96% |
| Electrification | 94,82% | 99% |
| Train length 740m | 35,33% | 46% |
| ETCS Deployment | 18,88% | 34% |

Notes: Ratio of fulfilment for CIP is calculated taking into account:

- all visible principal lines and connecting lines A;
- the length (based on detailed geometries) of each CIP segment;
- length of CNC is 4472Km , of CIP lines is 4381Km

# Outlook: our projects portfolio

| Project | Actors involved | Status | Remarks |
|---------|-----------------|--------|---------|
| TICO | RFC5, Terminals | Not started | depending on CAP experts decision to provide capacity |
| Integrated TPM | RFC5, Terminals, Rus | Not started | Pending RUs will to volunteer |
| Integration of TIS with Terminals | RFC5, Terminals, RNE | Started, two terminals | 2 terminals |
| ILEA | RFCs | Not started | war in UA |
| Harmonisation & dwelling time at borders | RFCs | Not started | Pending CEF2 funding |
| XBorder test at Tarvis | RFC5 | Not started | Pending CEF2 resources, preliminary analysis can start |
| Premium Products Offer | RFC5 | offered | 3 kind of premium offer |
| Short Term Product Offer | RFC5 | offered | |
| Test field of ETM concept | RNE | Not started | |
| Common Marketing Actions | RFCs, RNE | Started | joint presence at events, linkedin |
| Improvement TIS Data Quality | RNE | Started | WG DQ kicked off |
| Improvement of RNE IT Tools | RNE | Started | |
| Innovative Market projects | RFCs | Not started | |

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# RFC Network User Satisfaction Survey 2022

**MAIN NOVELTY:** POSSIBILITY TO CHOOSE BETWEEN ONLINE SURVEY (SURVIO) OR DIRECT INTERVIEW

**TIMELINE:**

| | |
|---|---|
| 8 Sept 2022: | Pre-announcement email |
| | Time for the invitees to choose if they want to do the online/interview survey (pick date for interview) |
| 15 Sept 2022: | Invitation email: Start of fieldwork |
| 6 Oct 2022: | Deadline |