

Path Coordination System (PCS)

CAPACITY MANAGEMENT

7 OCTOBER 2026



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Introduction to RNE PCS

- Web-based software for the timetable planning lifecycle of a train, including:
 - Reference train / path request(s) creation **by applicants**
 - Harmonisation of path requests **between applicants**
 - Submission of path requests **to IMs**
 - Creation / harmonisation of offers **by IMs**
 - Acceptance and booking of offers

Introduction to RNE PCS

- PCS is a requesting and planning tool for all of Europe
 - Multi-network requests can be placed
 - Involvement of multiple applicants and multiple IMs is possible



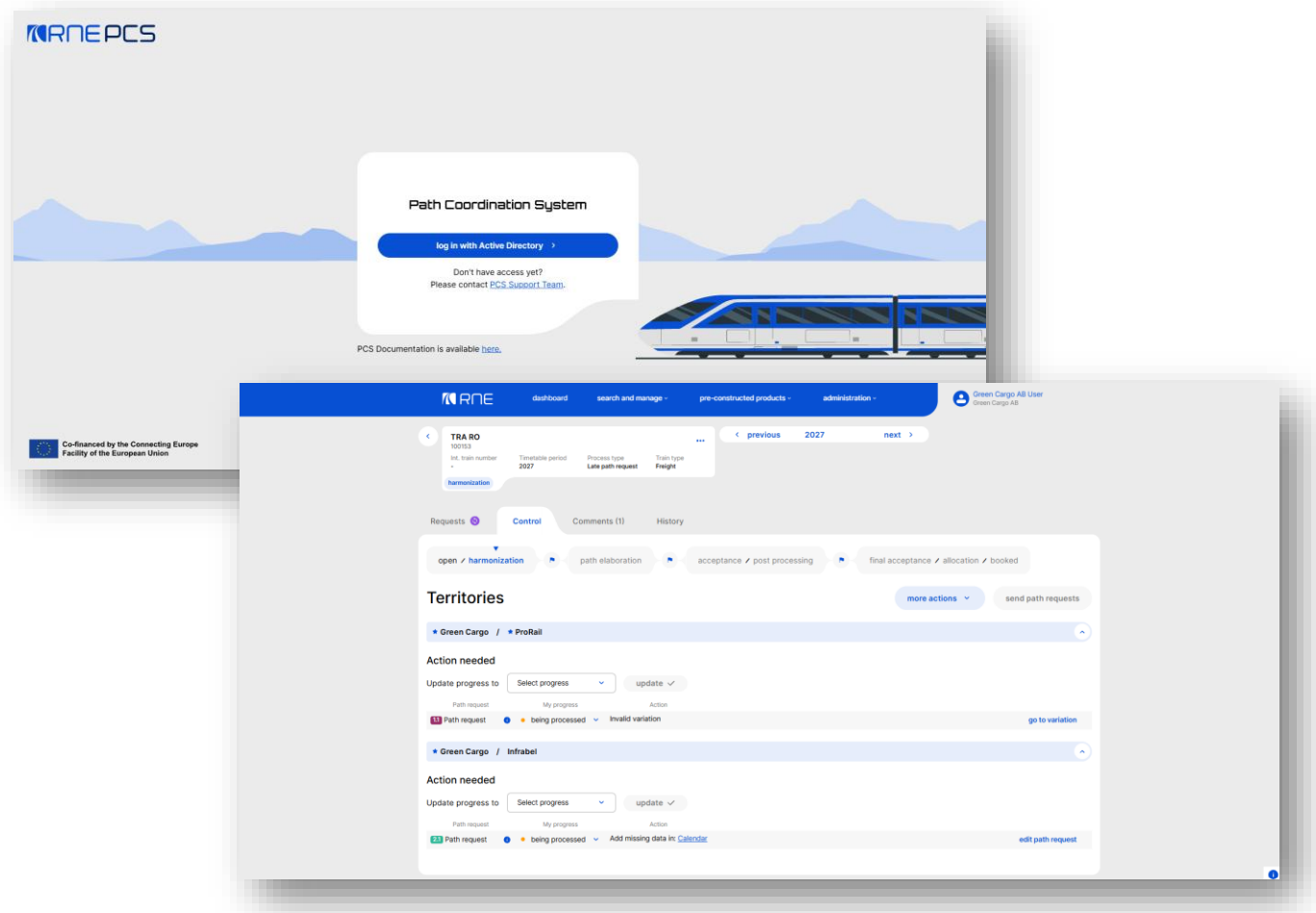
Introduction to RNE PCS

- There are two ways to use PCS
 - **Graphical user interface (GUI)**
 - Direct usage of the tool itself
 - **Application programming interface (API)**
 - Usage of a national tool instead of PCS GUI
 - Data is transmitted to PCS from national tool (standardised TEL TSI data format)
 - PCS transmits data to the existing national tool

PCS Demonstration

- Overview of the PCS GUI
- Demo I: Reference Train Creation
- Demo II: Updates in harmonisation between two applicants
- Demo III: Submission of path requests and reception of draft offers
- Overview of features not shown in the demos

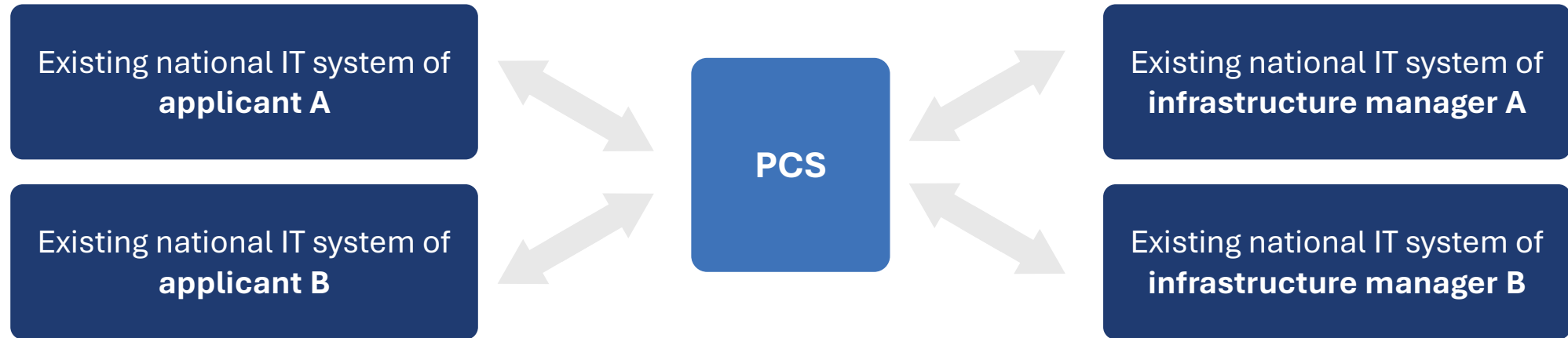
PCS Demonstration



RNE PCS API

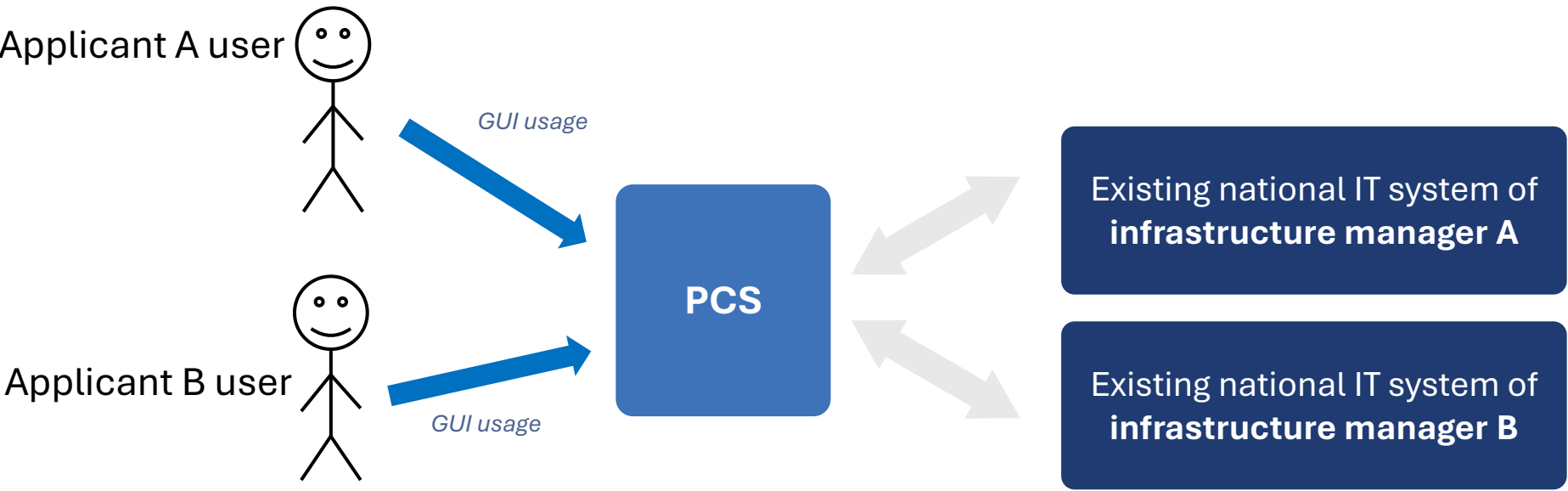
- **Application programming interface (API)**
 - TEL TSI data format allows communication between existing IT tools and PCS
 - Actions taken in any connected system result in all other systems receiving relevant information about the action
 - Existing timetabling IT tools can be used instead of PCS itself

RNE PCS API



Two applicants run a train across two territories

RNE PCS API



Two applicants run a train across two territories

dashboard

search and manage

pre-constructed products

administration

GreenCargoAB User

Green Cargo AB

★ Green Cargo /

★ TRAFIKVERKET

MY TERRITORY

1.1 Path request

Malmö godsbangård

N/A - 08:00:00

Peberholm

08:30:00 - N/A

1-5

DBCDE / Banedanmark

2.1 Path request

Peberholm

N/A - 08:30:00

Fredericia godsstation

12:00:00 - N/A

1-5

Journey

Territory

Applicant

Responsible IM

Green Cargo

TRAFIKVERKET

Location	Arrival	Departure	Dwell time	Train number
Malmö godsbangård	-	08:00:00	-	-
UTC +1	Activity type	Location type	Path number	Owner IM
	Commercial stop	None	-	TRAFIKVERKET
	Note			
	-			

Location	Arrival	Departure	Dwell time	Train number
Peberholm	08:30:00	-	-	-
UTC +1	Activity type	Location type	Path number	Owner IM
	Run Through (Passing Time)	None	-	TRAFIKVERKET
	Note			
	-			

API messages exchange reference train data

```

<ns1:PathInformation>
  <ns1:PlannedJourneyLocation>
    <ns1:CountryCodeISO>SE</ns1:CountryCodeISO>
    <ns1:LocationPrimaryCode>2615</ns1:LocationPrimaryCode>
    <ns1:PrimaryLocationName>Malmö godsbangård</ns1:PrimaryLocationName>
    <ns1:TimingAtLocation>
      <ns1:Timing ns1:TimingQualifierCode="ALD">
        <ns1:Time>08:00:00</ns1:Time>
        <ns1:Offset>0</ns1:Offset>
      </ns1:Timing>
    </ns1:TimingAtLocation>
    <ns1:ResponsibleApplicant>2174</ns1:ResponsibleApplicant>
    <ns1:ResponsibleRU>2174</ns1:ResponsibleRU>
    <ns1:ResponsibleIM>0074</ns1:ResponsibleIM>
  </ns1:PlannedJourneyLocation>
</ns1:PathInformation>

```



Relevant questions from the Mentimeter Survey

Which tools to use when

How the IT-system landscape of RNE could be connected to systems of RUs?

How to order an international train path

How will support for Railway Undertakings seeking to interface with RNE's CI work in practice?

Technical details of the interface

How to order an international path with those tools

I want to know how to order paths and what will be the process

Resources

Specifications, videos, information guides, testing accounts: <https://docs.rne.eu/pcs/>
PCS support: support.pcs@rne.eu



PCS is under continuous development; Applicants can take part in this development via the **PCS User Group** and the **DCM Stakeholder Group**!