

 **RNE PCS**  
Path Coordination System

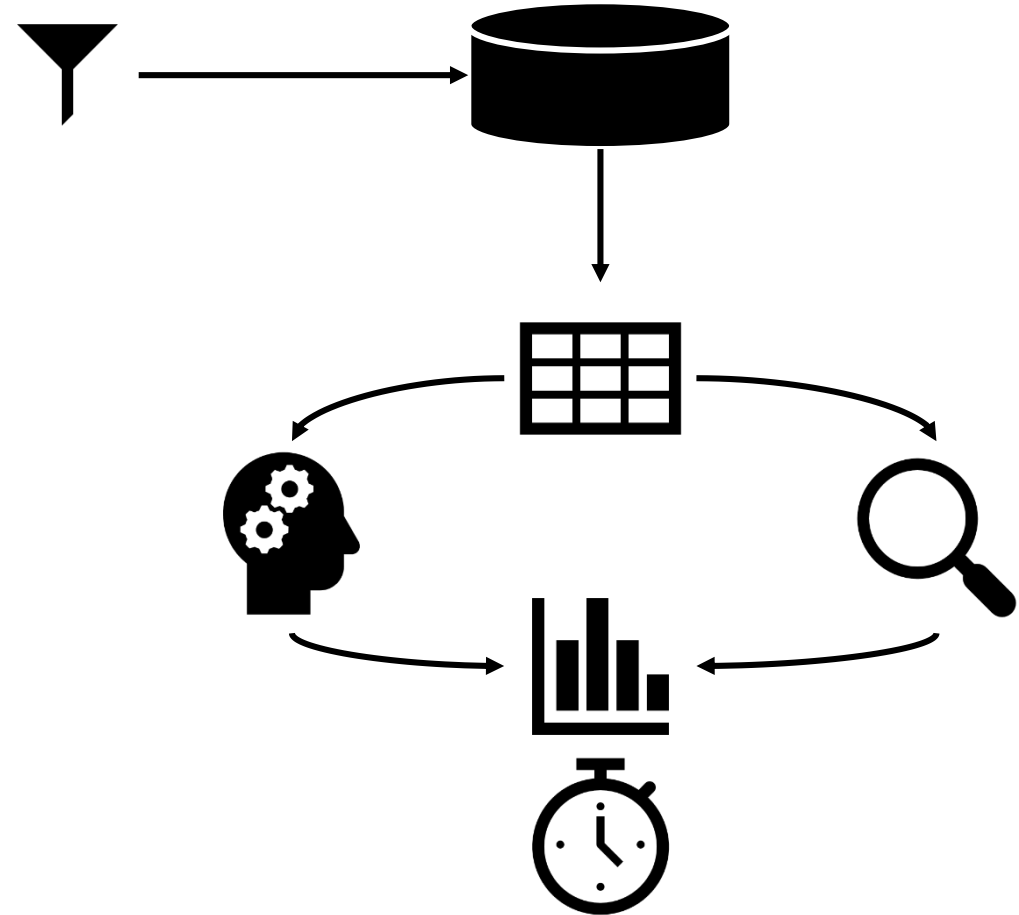
**RFC 5, 7, 9 training**  
**PCS News**

1st March 2018, Budapest

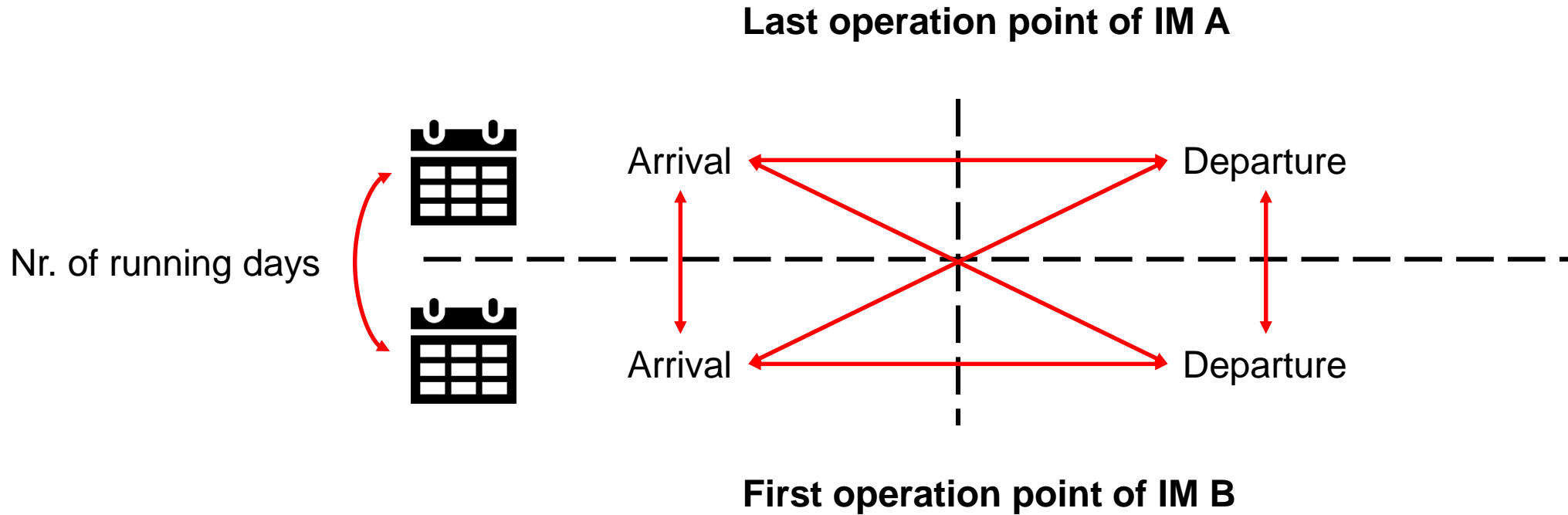
# Short-term actions: Border quality monitoring

# Method

- » Database query on
  - » New Path Requests
  - » Main timetables
  - » First/last operation points of territories
- » Export to Excel
- » Quality check algorithm
- » Simple overview of harmonization status
- » Generation time ~15 minutes



# Quality checks



# Harmonization overview

## » Harmonization statuses

- » Harmonized
- » False time
- » False number of running days
- » False time and number of running days
- » Indication of time zone crossing border  
(needs special attention), e.g. CFR → VPE,  
ADIF → IP, SNCF-R → NR

## » Filter criteria

- » Identifiers (Dossier, International Train nr.)
- » Train type
- » Timetable (RU, C-OSS, IM)
- » Border
- » Harmonization status
- » IMs/ABs, RFCs

# Mid-term actions: Envelope Concept (EEC)

# Major Features of EEC

- » RU Timetable construction on RU – IM pair (territory) level
- » Calendar consistency checks for RUs/ImS (no holes are possible in middle of the train run, days must be harmonized otherwise dossier acceptance is not possible)
- » Automatic downgrade of acceptance indicators and notification when neighbours are impacted by a timetable change
- » Train Outline as a special presentation of the timetable that shows the most important data that describes the train (origin(s), border(s), destination(s), combinations, number of running days, etc.)
- » Multiple PaPs can be added to the dossier on the same territory (no need to create two dossiers for e.g. weekdays/weekends, no more international managed by PCS subsidiary timetable)
- » PaPs will be published until the border in each territory

# Major Features of EEC

- » Leading RU is allowed to create the different variants of full the timetable (user variant)
- » Privileges of the leading RU will be kept
- » Additional constraints in PCS to avoid inconsistent Train IDs among dossiers
- » TSI variants will become as part of PCS Schema (interface)
- » Implementation of time-zone offsets. Differentiation among:
  - » Automatic offset
  - » Manual offset
  - » Time-zone offset
- » Dwell time will be cross-checked with arrival/departure times, cannot be longer than the calculated stay
- » Parameter presentation will be adjusted according to user demand
- » Horizontal propagation of changes (save amount of clicks) on the same operation points



# Timeline

- » 5th February - 27th February: 1 use case per member to RNE to "convert to EEC"
- » 27th February: PCS Technical Board, delivery date of specification, start of review period, start of preparation the development
- » 16th March: deadline for review
- » End of March: deadline for estimation, development schedule
- » 17th April: EEC Core Team meeting
- » 12h-13th June: Train the trainer workshop
- » Mid of August: targeting first test version (precise dates after end of March)
- » November: release in production
- » Apart from the mentioned dates:
  - » 2 weekly TelCos for status updates
  - » EEC Core Team is involved in the implementation

Timing: We are on schedule at this moment.