



Routability

Route Book

Implementing Regulation (EU) 2023/1693 - **OPE TSI**

OPE TSI Innovations - Route Book

Commission **Implementing Regulation (EU) 2023/1693** of 10 August 2023 amending **Implementing Regulation (EU) 2019/773** on the technical specification for interoperability relating to the operation and traffic management subsystem of the rail system within the European Union

Annex - point 9

The IM shall ensure that the infrastructure information is complete and accurate [...].

The RU is responsible for the complete and correct compilation of the Route Book, using the information supplied by the IM(s) [...]. The RU shall ensure the Route Book duly describes operational conditions related to line characteristics and vehicle characteristics.

[...]

The format of the Route Book shall be prepared in the same manner for all the infrastructures operated on by the trains of an individual RU.

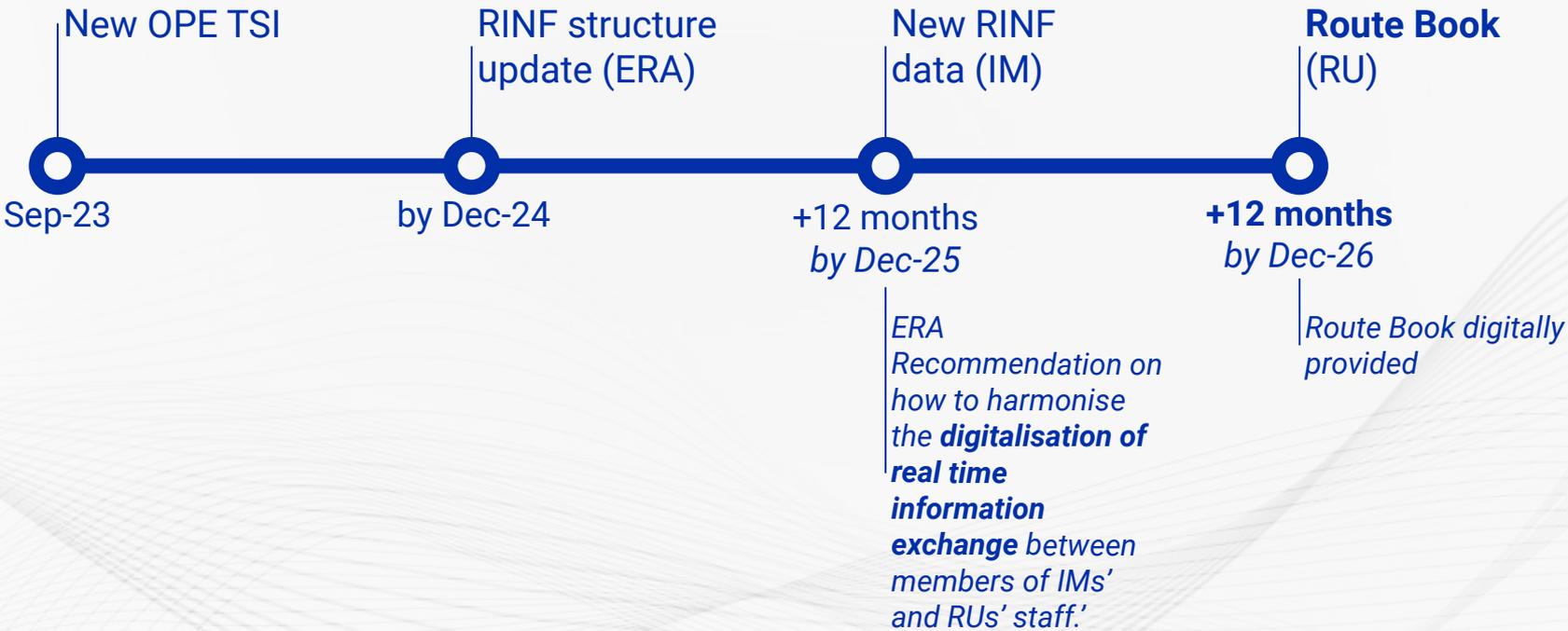
Annex - point 11

When the RU provides the drivers with their working plan, it **(RU) shall provide information necessary for the normal running of the train** and as a minimum include:

- the train identification,
- the train running days (if necessary),
- the stopping points and the activities associated with them,
- other timing points,
- the arrival/departure/passing times at each of those points.

Such train running information must be updated whenever appropriate prior to departure and shall be based on and supplement the Rule Book and Route Book information [...].

Deadlines



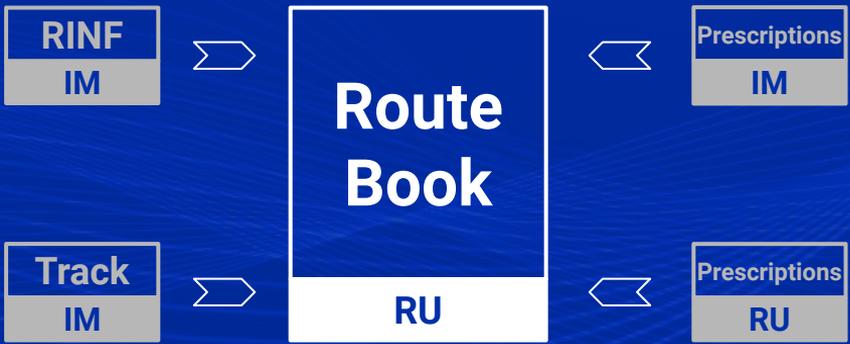
1. Analysis of the Reg.: Principles, Process and Purpose

Now

Now later



Country-specific documents

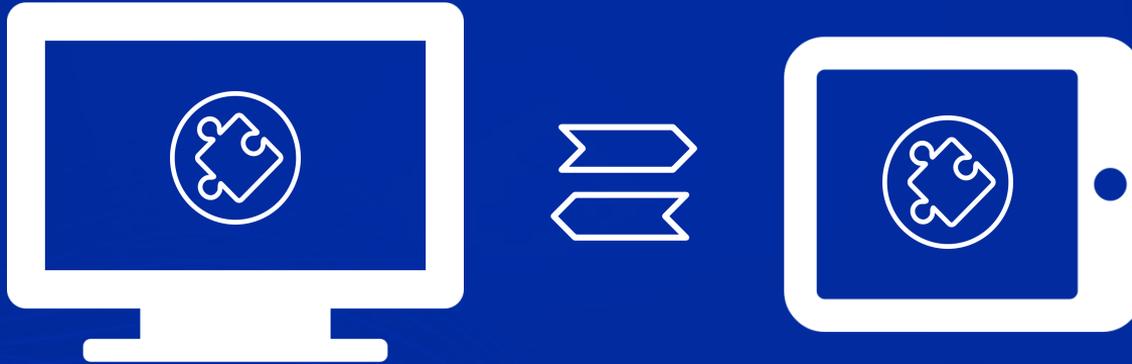


Proposed Solution

"Do cats eat bats? Do bats eat cats?" for, you see, as she couldn't answer either question, it didn't much matter which way she put it.
Since the problem was not immediately solvable, it didn't matter much whether it was expressed correctly.

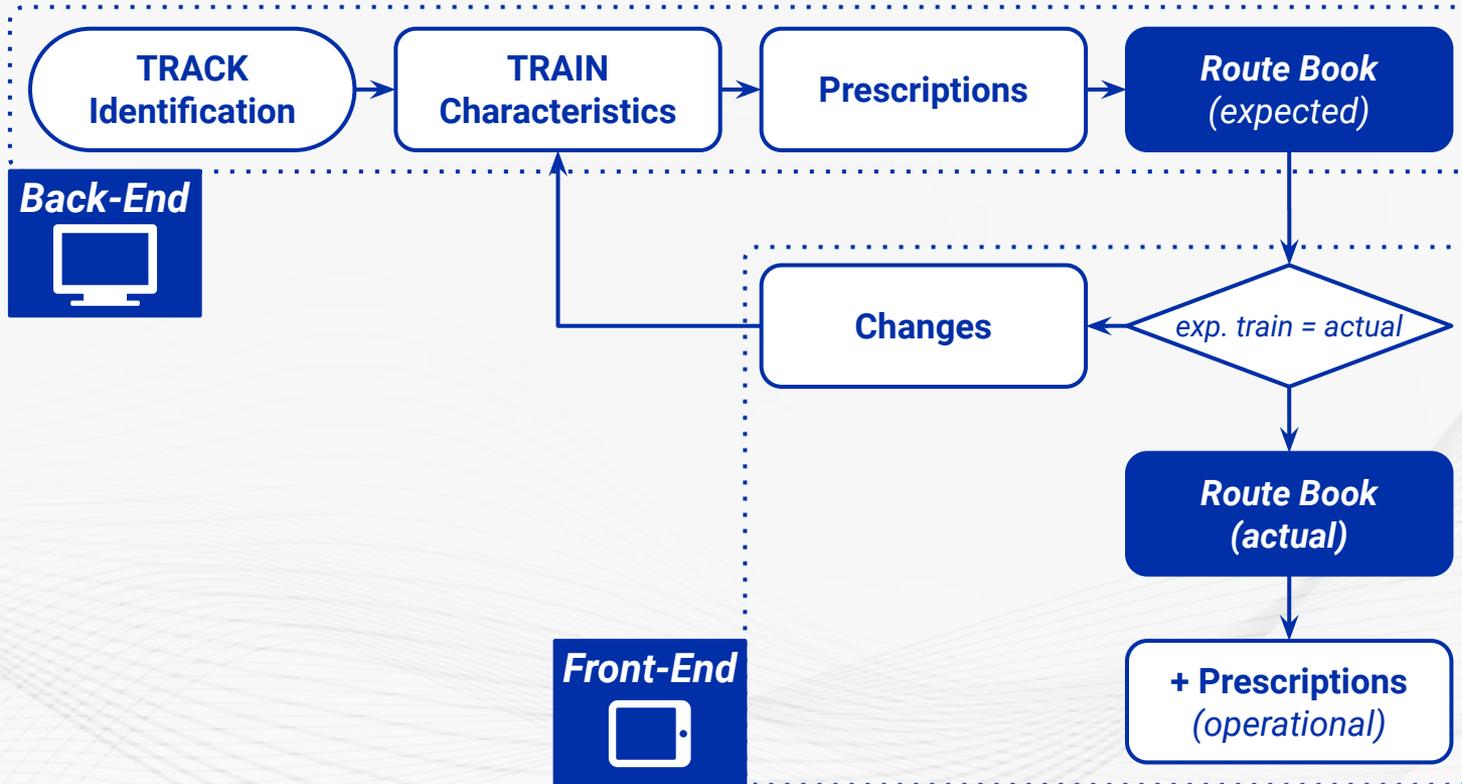
- Lewis Carroll, Alice in Wonderland

PWA

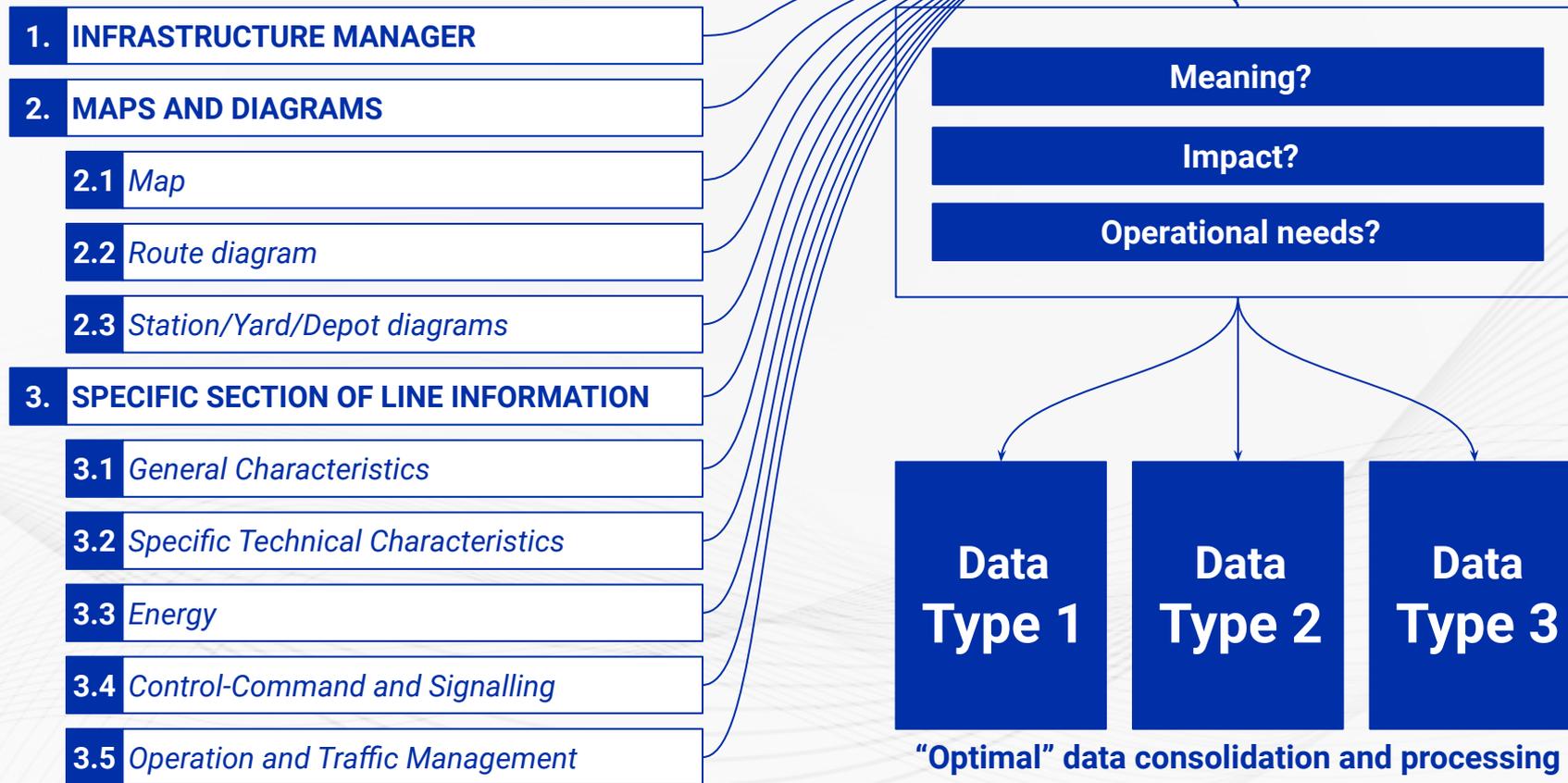


- A.** Identical WEB and APP versions, even in technical terms
- B.** It does not require separate bundling or distribution
- C.** Integrating functionality into Routability, by analogy

Designed Process



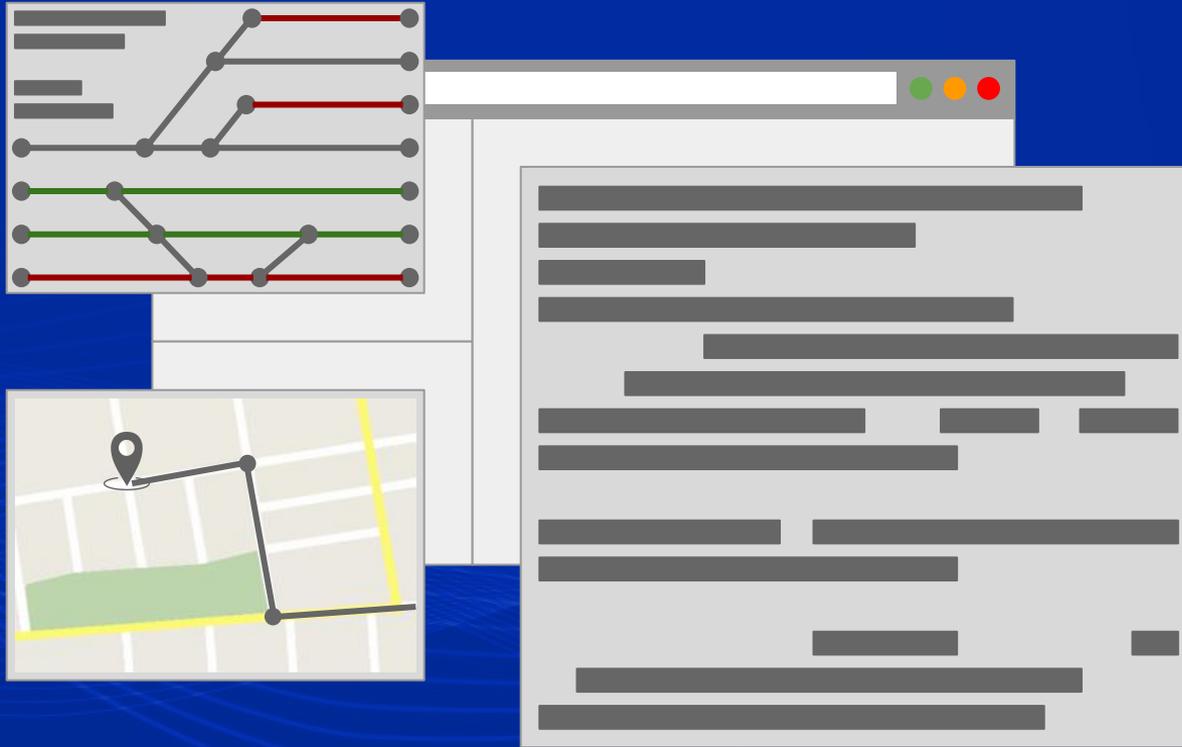
Functional Analysis of Reg. Data and Information



3. Software usability analysis

Completeness

User-friendliness



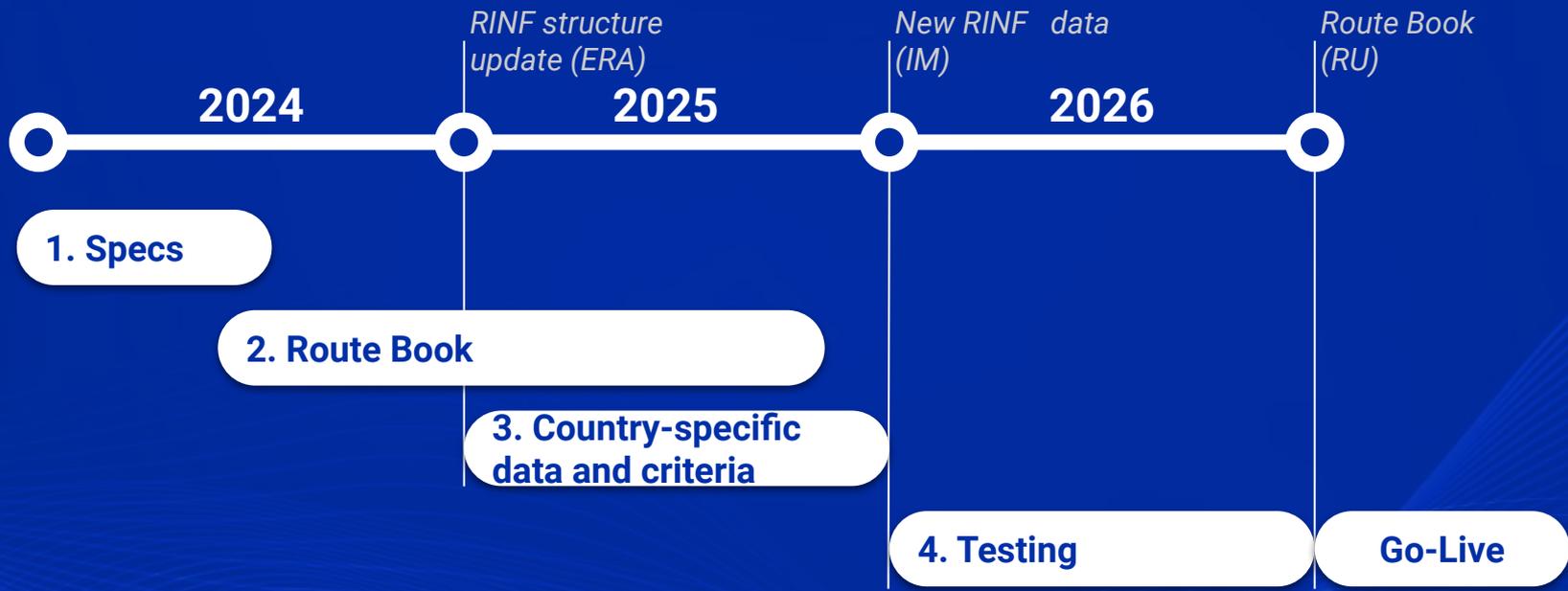
Proposed Solution

Schedule

...ché perder tempo a chi più sa più spiace.

- For to lose time irks him most who most knows. -

- Dante Alighieri, La Divina Commedia, Purgatorio, Canto 3



Notes

*The times indicated take into account the maximum time constraints indicated.
Any changes, additions or regulatory clarifications by ERA and/or IM will be analyzed and managed during the project.*

Thanks!

Luca VITIELLO

Chief Executive

luca.vitiello@sysco.biz

+39 392 06 65 546

SysCo S.r.l. | Via Vesuvio, 158 - 80040 Trecase (NA)

www.sysco.biz | syscosrl@legalmail.it



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Stay tuned...