

RU DIALOGUE:

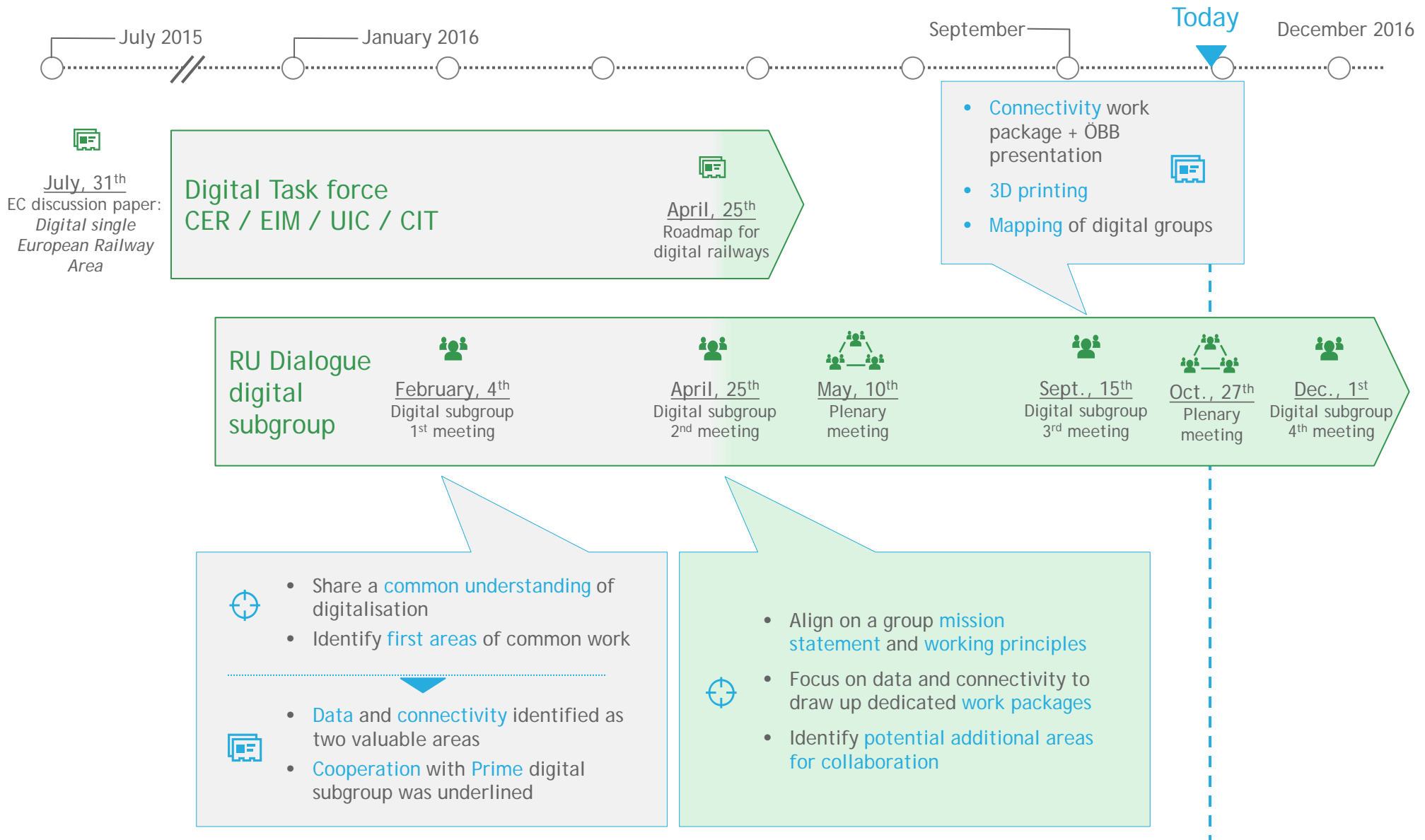
Digital subgroup

Report to the plenary
session of the RU
dialogue

Emmanuelle Turlotte - October 27th



Timeline of the subgroup



Objectives of the subgroup (reminder)

- **Digitalisation** is taking hold in more and more industries, including transportation
- All industry stakeholders agree that digital transformation fastness will be a key driver of **rail mode future competitiveness, customer / end-user satisfaction and productivity.**
- All stakeholders believe that smart direct discussions between EC and industry will **accelerate rail industry digital transformation**



Proposed mission statement for RU Dialog digital subgroup

Facilitate direct discussions **within the sector and between industry and the EC** on digital topics...

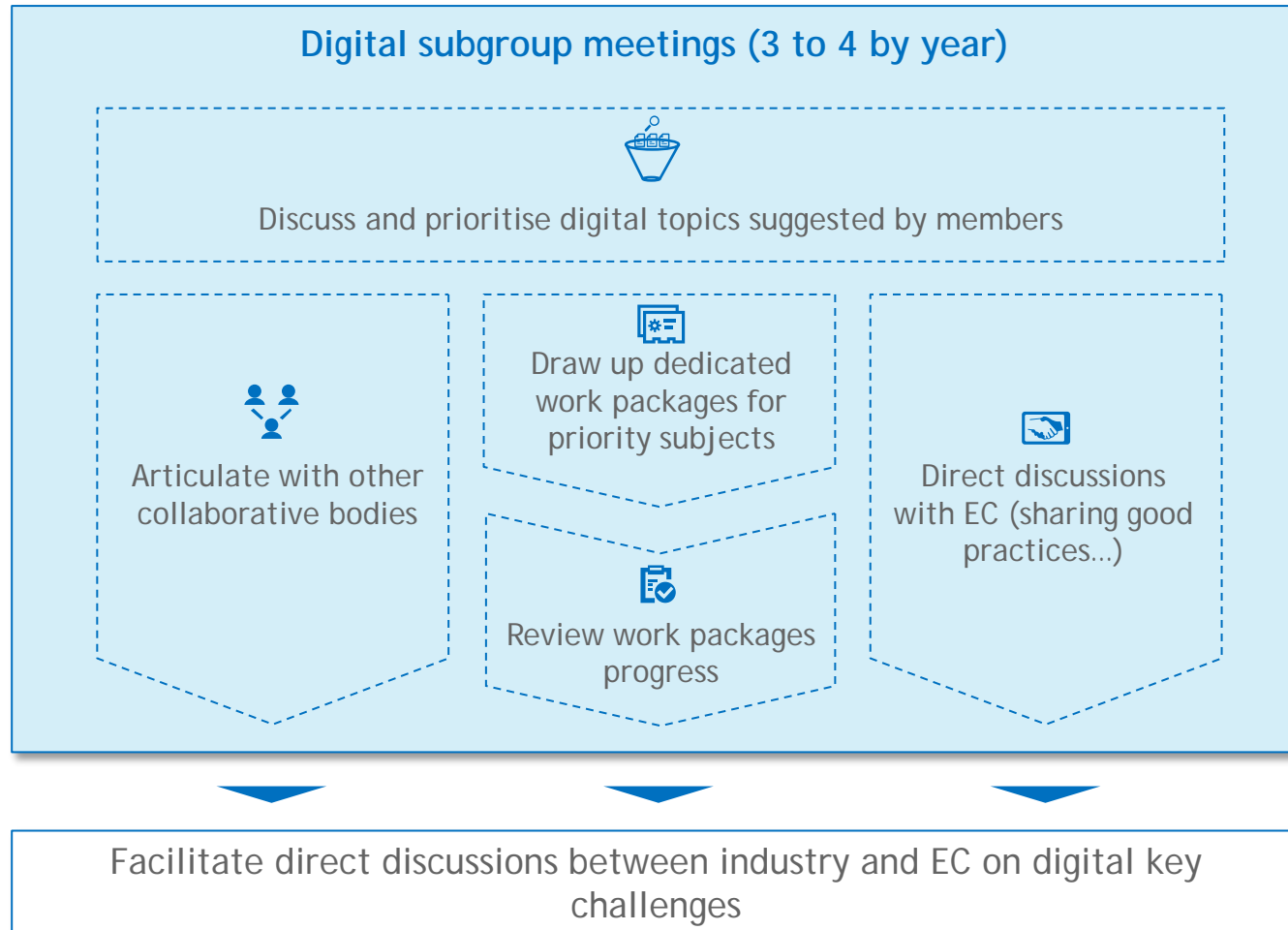
...by helping EC and the representatives of the sector to:

- Get a better understanding of **industry digital opportunities** including exchange of good practices
- Assess the most relevant **regulation framework** for digital key challenges
- Identify **funding needs** for industry digital development

Working principles (reminder)



Proposed working principles for RU Dialog digital subgroup





General overview of digital topics mentioned by members during subgroup meeting preparation

Connectivity

WORK PACKAGE
MNO cooperation models and business model

Specifications regarding connectivity and 5G

Rail coverage assessment for freight and passenger

Data



Freight

WORK PACKAGE
Estimated time of arrival

Data registers

E-freight: digitalisation of the consignment note

Study of the benefits of a common digital semantic framework describing rail business

Access to transport data: current situation assessment and potential needs



Passenger

Sharing of members' good practices to show their involvement into Open Data

Assessment of protection and privacy legal framework for customer data

Study of how rail industry can benefit from other businesses' data

Other topics

3D printing
Presentation on this topic

Effect of virtual reality on business

Good practice exchanges on digital organizations

Good practice exchanges on smart maintenance & assets, industry 4.0

Good practices exchanges on IoT

Identification of digital opportunities for rail industry

Training needs and certificates

Good practice exchanges on Big Data

IoT standardisation

Threats and opportunities from autonomous driving

Common policy for research and funding

ERTMS

Automatic train

FOCUS ON 2 TOPICS MAINLY

1. CONNECTIVITY

- Connectivity is considered as an key enabler to support services and solutions for passengers, staff and equipment
- Improvements of coverage and quality are necessary
- Sharing of best practices between members (including SJ, ÖBB, SNCF, DB, SNCB)
- Connectivity measurements & reporting are key to leverage actions from Mobile Network Operators (MNOs), and the help of National Regulatory Authorities (NRAs) is relevant
- DG CONNECT (one representative) involved

NEXT STEPS:

- Participating to the EC Mapping Broadband Services (workshop by the Commission in December) with interested RUs
- To provide RUs with precise methodology to engage with their NRAs and to engage cooperation with IMs / PRIME Subgroup

FOCUS ON 2 TOPICS MAINLY

2. DATA

- On passenger side:
 - Many RUs are committed into open data policy to foster innovation.
 - Policies were presented & shared during the meeting: presentations from CFF/SBB, SNCB, SNCF...

NEXT STEPS:

- To carry on exchanges of best practices

- On freight side:
 - Estimated Time of Arrival (ETA) dealt with by UIRR and HUPAC

NEXT STEPS:

- Proposal to have a work package on this topic.

Thank you

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October 27th

