



Deliverable D 3.1

Summary on EDDP programme, risk and interface management I

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1. Executive Summary

This summary describes the activities in the DACcord WP3 from project month M1 to M12. It describes the performed **European DAC Delivery Programme (EDDP) general and specific programme, risk, deviation and interfaces management** from project month M1 until M12.

The tasks to be carried out under this programme / DACcord project could be realised successfully by the EDDP programme managers in support to the EU-Rail JU (leading to the "EDDP work programmes" with their deliverables) and in cooperation with all parties involved in the different EDDP work areas and their interfaces, including the European Commission and the European Union Agency for Railways.

The main achievements in the overall EDDP management in the Reporting Period 1 were:

- › the so called "General Master Plan" V01 for the entire programme
- › refined (multi-annual) plannings for the different EDDP work areas (providing also the basis for programme risk management) & progresses in their execution
- › the definition of the so called "DAC Basic Package" ("starter package"), representing the bundle of components with which the DAC deployment should start
- › the kicking-off of the "pre-deployment trains" (= "pioneer trains") project
- › a (draft) EDDP stakeholder management plan (DACcord WP9)
- › a proposal for DAC deployment structures and funding/financing mechanisms (DACcord WP11)

The objective of the WP3 has been fully achieved and all tasks have been successfully performed.

The **next steps** of the DACcord/EDDP programme management in the upcoming reporting period are:

- Further management of the ongoing tasks in the different EDDP work areas, including related risk management in case of deviations, and ongoing support to the EU-Rail JU
- Further execution of the EDDP General Master Plan and the EDDP work areas workstreams
- Seamless integration of new EU-Rail projects supporting the migration roadmap work areas
- Interface management to EU-Rail FP5 TRANS4M-R project and System Pillar Task 4 in order to make the DAC Basic Package available as foreseen for deployment
- Setting-up the "pioneer trains" project (and governance) together with all parties involved
- Implementation of the EDDP stakeholder management action plan
- Refining the CBA with benefit cases studies and potentially regional CBAs in EDDP work area D

This work will be continued in the DACcord WP4 in the project months M12 to M24 and be summarised in the DACcord deliverable D4.1.

2. Abbreviations and acronyms

Abbreviation / Acronym	Description
DAC	Digital Automatic Coupler
EC	European Commission
EDDP	European Digital Automatic Coupler Delivery Programme
ERA	European Union Agency for Railways/ European Railway Agency
EU-Rail	Europe's Rail Joint Undertaking
IM	Infrastructure Manager
RU	Railway Undertaking
TSI	Technical Specification for Interoperability
WP	Work Package
WA	Work Area

3. Background

The project DACcord provides management competencies to support the EU-Rail JU for the continuation of the professional management of the activities of the European DAC Delivery Programme (EDDP), enabled by the EU-Rail JU and established in the EU-Rail JU work programme, in which European Rail Freight Sector and manufacturers are united to strive for the Europe-wide introduction of a Digital Automatic Coupler.

The present document constitutes the **Deliverable "D 3.1 Summary on EDDP programme, risk and interface management I"** of the DACcord project's **WP3 "EDDP Programme, risk and interface management I"** in the framework of the European DAC Delivery Programme within Flagship Area 5 as described in the EU-RAIL MAWP and contributes as well to / interacts with the Flagship Project 5 TRANS4M-R (see Figure 1).

DACcord Beneficiary **railiable** was in charge of this work package, supported by the DACcord project partners and working in close cooperation with all EDDP members. According to plan, railiable was supported by a (subcontracted) strong, multilingual Programme Management Office(r) with experience in rail freight topics, especially in charge of maintenance of the Programme structure, monitoring and controlling of Programme Execution Performance/KPIs and alignment to objectives.

DACcord beneficiary **Railenium** has performed quality and plausibility checks on the report produced.

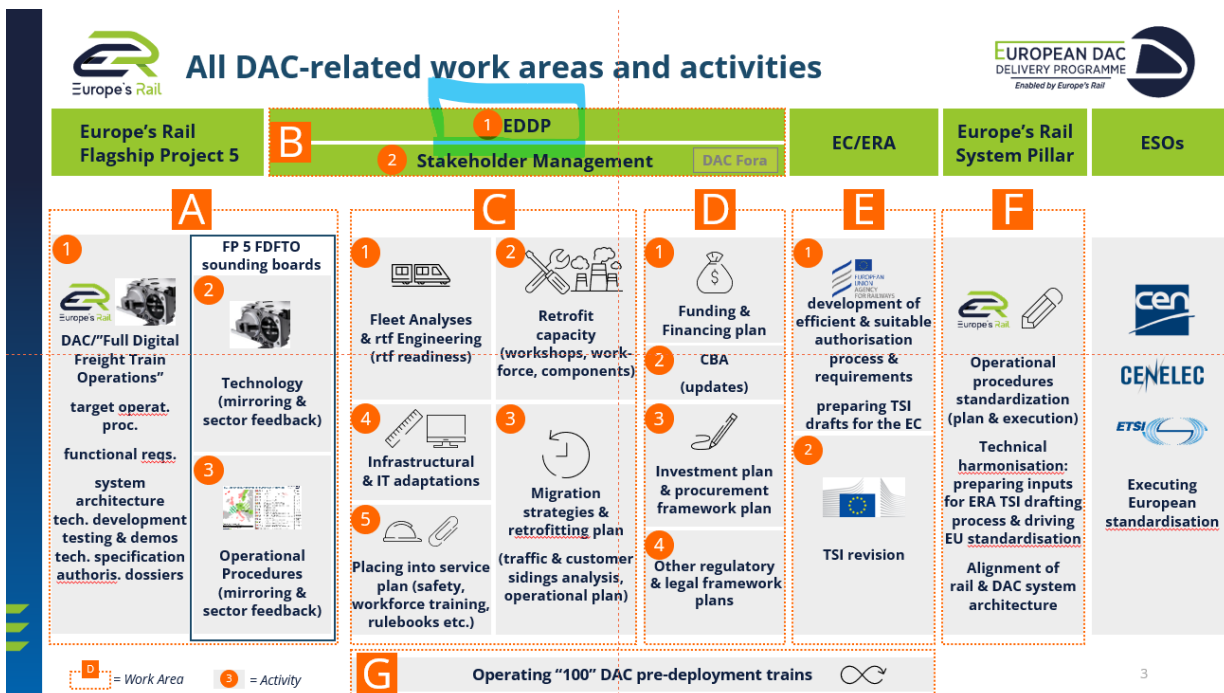


Figure 1. EDDP and EDDP management within all DAC-related work areas

4. Objective/Aim

The main objective of DACcord WP3 is/was to **adequately manage and coordinate the EDDP, the interfaces to FP5 TRANS4-R and EU-Rail System Pillar and programme risks in the months 1-12 of the project** (cf. Grant Agreement).

For doing this, the project worked closely with EDDP members/partners in the EDDP work areas, the EU-Rail Flagship Project 5 TRANS4RM-R, the EU-Rail JU System Pillar (task 4) and EDDP stakeholders.

Table 1. Work package 3 tasks (cf. Grant Agreement):

To achieve the EDDP and its interfaces management objectives set out in the overall WP objective, the WP will carry out:	Status	chapter
Management, revision, challenging and (iterative) interface management of the activities in the overall EDDP working structure (as far as they are resourced and therefore active and manageable)	Achieved	5.1
Setting-up & management of an EDDP (multi-) annual work programme (M1-12)	Achieved	5.2
Support the EU-Rail JU in relation to the EDDP mechanisms & admin. (incl. DAC section on EU)-Rail JU web page), report on a regular basis to the Programme Board (PB) and Supervisory Board (SB) Together with the EU-Rail JU ED, preparation & managing of EDDP decision making/escalation mechanisms	Achieved	5.3
Management of the interfaces to related EDDP work streams (e. g. EDDP PB, FP5 advisory/ "sounding" boards) including interfaces to other DAC-related EU-Rail JU activities (e. g. System Pillar etc.) and EC and ERA by setting up regular exchange meetings; sharing of the outputs with EDDP and linked projects from EU-Rail JU Flagship Area 5; interaction with the System Pillar as needed (by meetings) and with the EDDP groups/actions	Achieved	5.4
Setting-up & management of a programme risk and deviation management plan; proposing appropriate mitigating/countermeasures also for the implementing actions if needed; regular report in PB and SB	Achieved	5.5
Support the EU-Rail JU in the Stakeholder Management; organise/steer the EDDP stakeholder management team; organisation, together with the FP5, of EDDP/FP5 sounding boards (technology, operational procedures and potentially more) to pre-align the sector (sounding board schedule to be aligned with FP5)	Achieved See specific DEL D 9.1	5.6
Specifically, defining for discussion/decision the DAC technology packages/components for deployment ("starter package") in function of the progress in the FP5 FDFTO technical development and ERA authorisation process	Achieved See specific DEL D 6.1	5.7

5. WP3 achievements (Months 1-12)

5.1. Management of the activities in the overall EDDP working structure

The DACcord task consisted in the *“Management, revision, challenging and (iterative) interface management of the activities in the overall EDDP working structure”* (cf. Grant Agreement).

The EDDP organisation was slightly developed further to its current work areas in beginning-2023 (Figure 1), complemented by its two Governing Boards (Programme and Supervisory Board) and the two so called “Sounding Boards”. For further detailed information refer to the following chapters.

The management of the programme led to the achievements and topics mainly presented in the EDDP Programme and Supervisory Boards (**see agendas in Annex**) and/or coordination groups.

Besides the regular alignment with the EU-Rail JU Executive Director and Project Officers, both EDDP programme managers (Mark Topal-Gökceli, CTO ÖBB) and Jens Engelmann (railiable GmbH) were in permanent contact to coordinate the necessary actions to design and manage the overall running of the programme. The coordination included, in most cases, the FP5 FDFTO Project Manager, Constanze Bannholzer (ÖBB), and the subcontracted EDDP PMO (Nuon Consulting).

The **PM alignment meetings** in reporting period 1 took place (mainly via videoconference) on:

April 2023	14, 19, 21, 24, 27, 28
May 2023	04, 08, 11, 12, 16, 26
June 2023	16, 29
July 2023	13, 20, 27
August 2023	18
September 2023	06, 08, 14, 15, 21, 22, 26
October 2023	05, 06, 09, 13, 20
November 2023	07, 10, 17, 21, 22, 24, 27
December 2023	13
January 2024	24
February 2024	15, 16, 23, 27
March 2024	11, 12, 13, 19, 21, 28
(April 2024	09, 11, 22, 23, 30)

A precondition for the success of the programme was/is the close management of the different EDDP work packages (later: EDDP work areas), see Figure 1. Regular catch-up meetings on the progress of the work **especially in Work Areas C & D** and for the preparation of the various topics of the EDDP work programme in view of decisions in board meetings were scheduled throughout the year.



Work Area B activity B1 contains the “programme management” tasks, **activity B2** contains the “stakeholder management” tasks (see separate deliverable D9.1)

Work Area C with its activities C1-C5 contains the “migration” topics (fleet, workshops, strategies, infrastructural preparation, placing into service issues).

Work area D with its activities D1-D4 contains the “economics” topics (funding/financing plan, CBA, investment plan etc.) (Figure 1).

They were complemented with various additional in-depth meetings on specific work area topics. Generally, the work area lead & co-lead participated, often complemented by other work area members. Work area status updates from those meetings were integrated into the subsequent board meetings.

The **Work Area C & D alignment meetings** in reporting period 1 took place (mainly via videoconference) on:

April 2023	13, 14
May 2023	05, 12, 22, 23, 19
July 2023	11, 12, 13, 14
August 2023	28
September 2023	12
October 2023	10, 19, 31
December 2023	07
January 2024	12, 18, 22
February 2024	16, 19, 27
March 2024	06
<i>(April 2024</i>	<i>08, 12, 17, 22, 24)</i>

The **WA C** meetings covered to a very large extent the status of the DAC migration roadmap as well.

In addition to these specific parts of the programme, the other different EDDP activities were managed by the PM with all different partners and stakeholders on a nearly daily basis.

The **tables 5.1-1 and 5.1-2 give an overview on the workdays dedicated to the different management/interface work areas in EDDP** and/or DACcord (some of them being detailed in separate chapters of this summary) for project month M1-M12:

Coordination with / alignment on:

Table 2. Distribution of PM workdays to the different EDDP management/interface areas (1)

	EU-Rail/ EC/ERA	EDDP PM/PMO + FDFTO	EDDP WPs/WAs	EDDP PB incl. prep	EDDP SB incl. prep	other stake- holders	General Master Plan + risk mgmt	EDDP/ FP5/SP interface
April 2023	11, 18, 19	14, 19, 21, 24, 27, 28	13, 14	19, 25			17, 22, 24, 27, 28	
May 2023		04, 08, 11, 12, 16, 26	05, 12, 22, 23, 19	16, 19, 22		22, 23, 31	08, 11, 12, 16	
June 2023		16, 29		01	19, 29	01, 05, 07, 12, 14, 23, 26	29	
July 2023		13, 20, 27	11, 12, 13, 14	12		19, 20, 27	11, 14, 28	26
August 2023	22, 31	18	28	17, 18, 25, 28, 30		31	28	
September 2023		06, 08, 14, 15, 21, 22, 26	12	12, 01, 05, 08, 11	14	07, 11, 26, 29		08
October 2023	05, 10, 11, 12, 13	05, 06, 09, 13, 20	10, 19, 31		12, 18, 25	04, 05, 06, 09, 10, 11, 19, 25		04, 05
November 2023	21, 22	07, 10, 17, 21, 22, 24, 27		03, 10, 13, 14, 16, 20		01, 02, 10, 14, 15, 17, 19, 22, 23, 27		03
December 2023	05		07	04		07		11, 15
January 2024	19, 20, 22	24	12, 18, 22	22, 30				
February 2024		15, 16, 23, 27	16, 19, 27		14	06, 15, 19, 26	02	01, 05, 23
March 2024	13, 15, 25	11, 12, 13, 19, 21, 28	06		08	01, 15		08
April 2024	26, 29	09, 11, 22, 23, 30	08, 12, 17, 22, 24	08, 09, 12, 15, 25		09, 19		19, 26

Table 3. Distribution of PM work days to the different EDDP management/interface areas (2)

	Stakeholder management	DAC sector statement	EDDP planning & Migration roadmap	DAC Basic ("starter") Package	Pre-deployment trains planning	DACcord project management
April 2023	13, 15, 24, 26, 28	18, 25, 27, 29		13, 18		12, 18
May 2023	02, 08, 10, 16, 22, 24	02, 05, 08, 10, 11, 12, 16, 17, 18, 19, 30	05, 22, 23, 26	16, 22, 30, 31		08, 19, 26, 30
June 2023	13, 14, 26, 27	01, 05, 06, 08, 09, 12, 16, 19, 28	16, 19, 28	19		09, 16, 19, 30
July 2023	10, 12, 13, 14, 18, 20, 24, 25, 27	10, 12, 14	12, 13, 18, 19, 20, 24	19, 24, 26, 27, 28		14, 17, 18, 19, 28
August 2023	18, 21, 22, 23, 25, 29, 31		21, 29	16, 17, 18, 30, 31		17, 22, 23, 24, 25, 28, 29, 31
September 2023	01, 04, 05, 06, 11, 12, 14, 15, 18, 19, 20, 28		04, 29	04		08, 11, 14, 18, 19, 20, 22, 25
October 2023	02, 09, 16, 17, 19, 20, 25, 26, 27		02, 04, 05, 09, 10, 12, 18, 19, 27, 30, 31			02, 06, 09, 10
November 2023	08, 31, 15, 15, 16, 20, 23		03, 07, 15	16, 20	20	14
December 2023	04, 05, 06		11, 13		21, 22	
January 2024	09, 10, 12, 18, 30, 31		08, 10, 12, 18, 22, 24		10, 23, 25, 26, 29, 30, 31	09
February 2024	02, 05, 06, 12, 13, 14, 19, 21, 22, 27, 28, 29		07, 08, 12, 13, 19, 27		01, 02, 06, 07, 08, 12, 13, 14, 15, 16, 19, 21, 22, 23, 26	14
March 2024	05, 07, 08, 11, 12, 14, 15, 18, 19		06		07, 14, 15, 27	11, 12
April 2024	01, 02, 03, 04, 11, 16, 17, 18, 19, 20, 21, 22, 25, 26, 28, 30		08, 12, 16, 17, 26		02, 22, 24, 29, 30	15, 22, 25, 30z

5.2. EDDP (multi-) annual work programme

The DACcord task consisted in “Setting-up & management of an EDDP (multi-) annual work programme” (cf. Grant Agreement).

With the expiration of the EDDP work programme 2022, the EDDP work programmes 2023 and 2024 and the way forward towards a detailed multi-annual EDDP work programme needed to be designed.

Figure 2 shows the **EDDP work programme 2023** as presented in draft to the EDDP Programme Board on 25th April 2023. It was fully adopted in the EDDP Programme Board on 01st of June 2023.

The work programmes indicate the deliverables in the different categories which were planned for the respective PB/SB meeting dates. The deliverables/board topics were provided entirely.

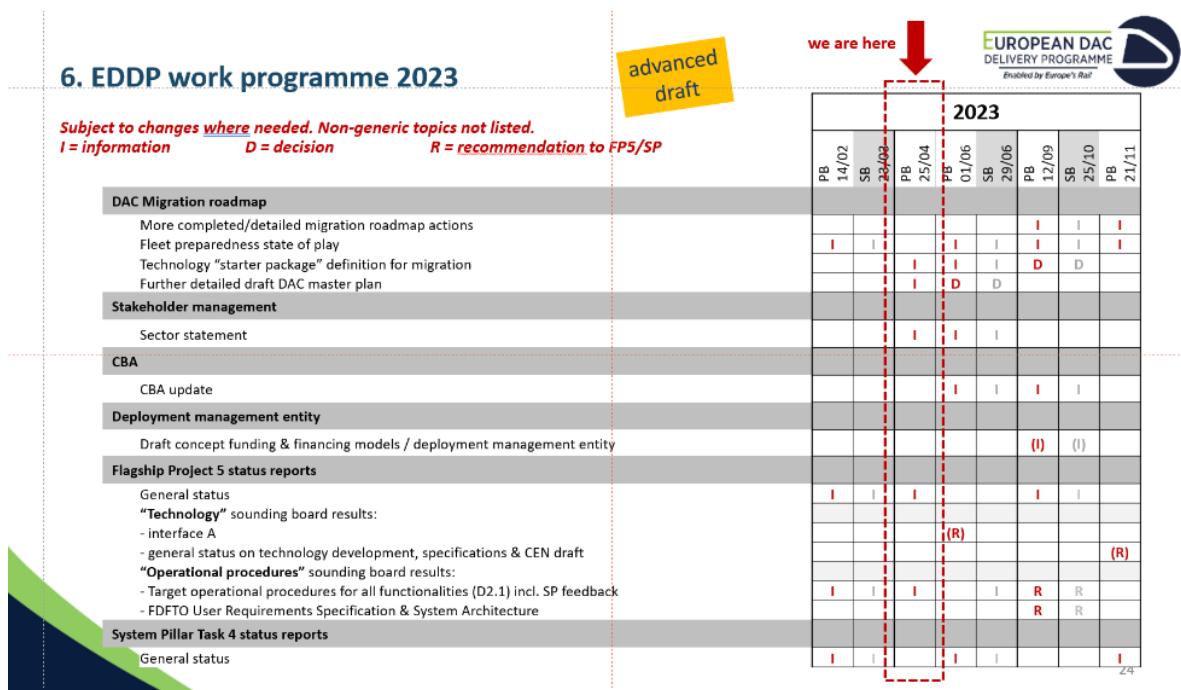


Figure 2. EDDP work programme 2023

This programme already announces the shaping of the so called “**DAC General Master Plan**”, constituting the **first real overall multi-annual EDDP planning including full DAC deployment**. This General Master Plan represented a major milestone in clarity, coherence and consolidation of the evolutions of the different works and boundary conditions of the programme. It was adopted in the EDDP Programme Board on 01st of June 2023 (Figure 3).

DAC General Master Plan 01 [June 2023]

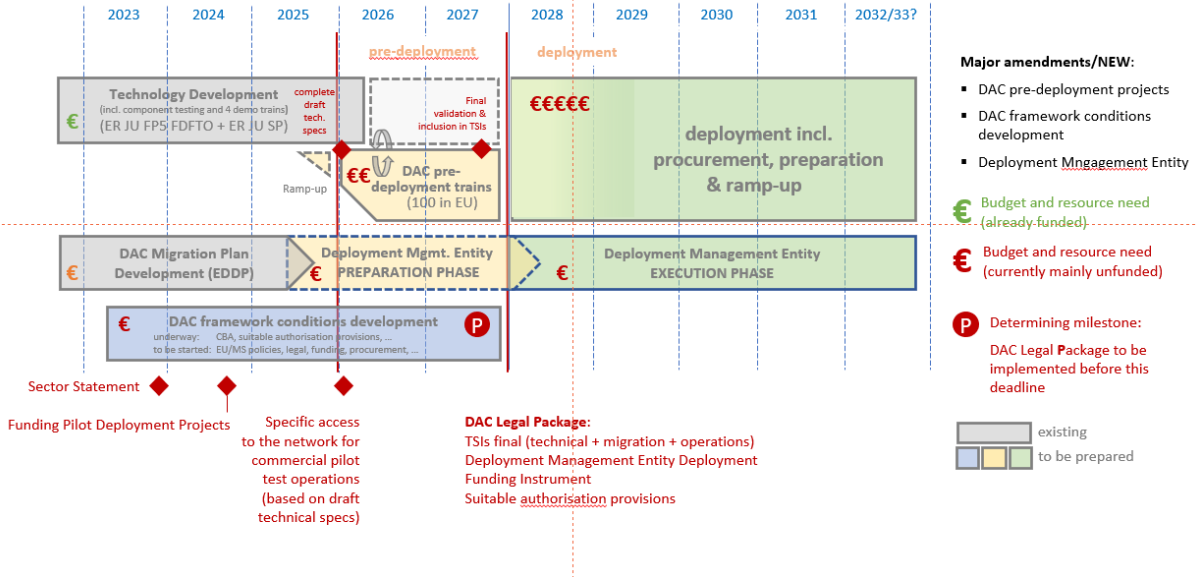


Figure 3. DAC General Master Plan 01

This Master Plan then led the shaping of the EDDP works in 2023. On the structural basis of the EDDP work areas (see Figure 3), an overview of the programme 2024-2026 detailing the Master Plan was derived and presented/adopted in the EDDP Programme Board on 30th of January 2024 (see Figure 4).

3. EDDP work programme 2024/2025/2026

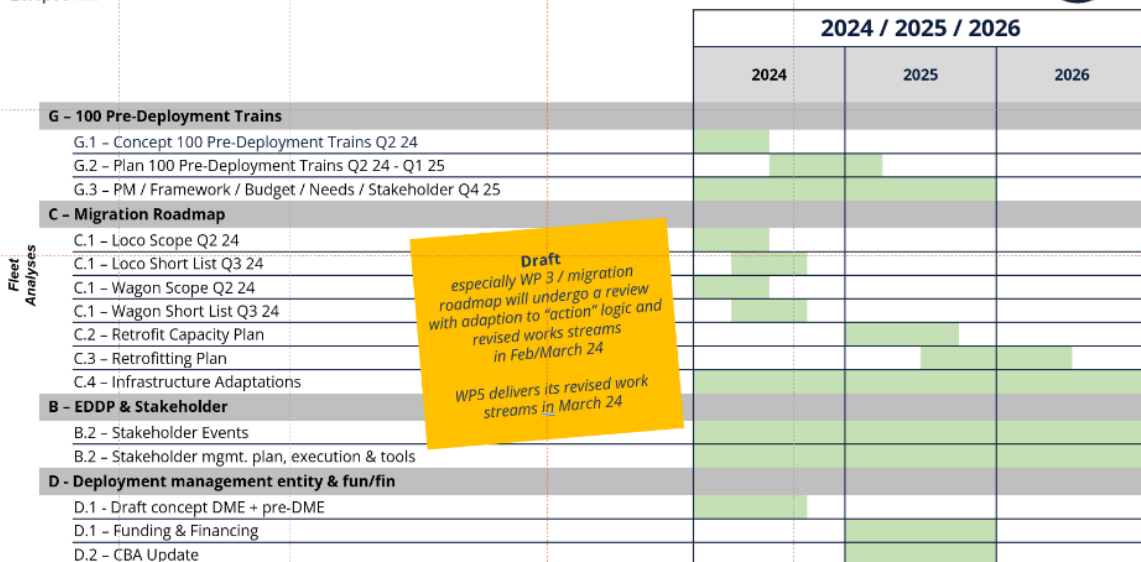


Figure 4. EDDP multi-annual work programme overview 2024-2026

The next task was the respective further (multi-annual) **breakdown and detailing of the works of the DACcord - GA 101121855**



different EDDP work areas. This breakdown then should serve as the basis for developing and monitoring the individual EDDP deliverables, the achievement of the overall objective and the necessary EDDP delivery monitoring and risk management (**see chapter 0**).

One **major novelty in the Programme** was the inclusion of the preparation of the so called **“Pre-Deployment (later: Pioneer) Trains phase”**, which was a consequence of the Master Plan and not yet visible at the time of the submission of the DACcord proposal / DACcord Grant Agreement. This “work area” had therefore to be added in the course of the programme (see **work area “G” in the EDDP Programme structure**, see Figure 1).

It took real shape towards end-2023 with the publication of the so called **“Request for expression of interest to be part of a possible large-scale testing of 100 DAC pre-deployment trains in Europe (2026-2028)”** (Figure 5) by the EU-Rail JU.

The publication of this request (via various channels, e. g. email distribution and on EU-Rail website) led to a total of **47 sector stakeholders’ expressions of interest until Mid-March 2024**.



Figure 5. EU-Rail Request for expression of interest to be part of ... 100 pre-deployment trains

In order to prepare the next project steps, **two information meetings for the applying stakeholders** were organised. The **first meeting on 22/02/2024** gave an overview on the project motivation and objectives, the intended testing scope, next steps, etc. (https://rail-research.europa.eu/wp-content/uploads/2024/02/20240222_EU-Rail_Info-session_100_Predeployment_Trains.pdf)

The **second session** with consolidated inputs was **planned for 24/04/2024** and will be reported in DACcord deliverable D4.1 (project month 13-24), together with the project work.

Table 3 shows the employed (unplanned) PM workload on the pre-deployment project as of 11/23.

5.3. Support to EU-Rail JU in EDDP mechanisms, admin & decision making

The DACcord task consisted in “support the EU-Rail JU in relation to the EDDP mechanisms & admin. (incl. DAC section on EU)-Rail JU web page), report on a regular basis to the Programme Board (PB) and Supervisory Board (SB)” and in the, “together with the EU-Rail JU ED, preparation & managing of EDDP decision making/escalation mechanisms (EDDP Programme and Supervisory Board)” (cf. Grant Agreement).

The EDDP was managed and supported in close cooperation with the EU-Rail management team (EU-Rail ED, FP 5 programme manager and, as of 2024, the EU-Rail System Pillar Task 4 representative). The coordination took place especially around 2-3 weeks prior to each Programme Board (PB) and Supervisory Board (SB) meetings and covered board and other general topics. Specific coordination meetings on programme topics with FP5 programme manager complemented the overall coordination.

The dates of these different EDDP/EU-Rail alignment meetings are listed in table 5.1-1.

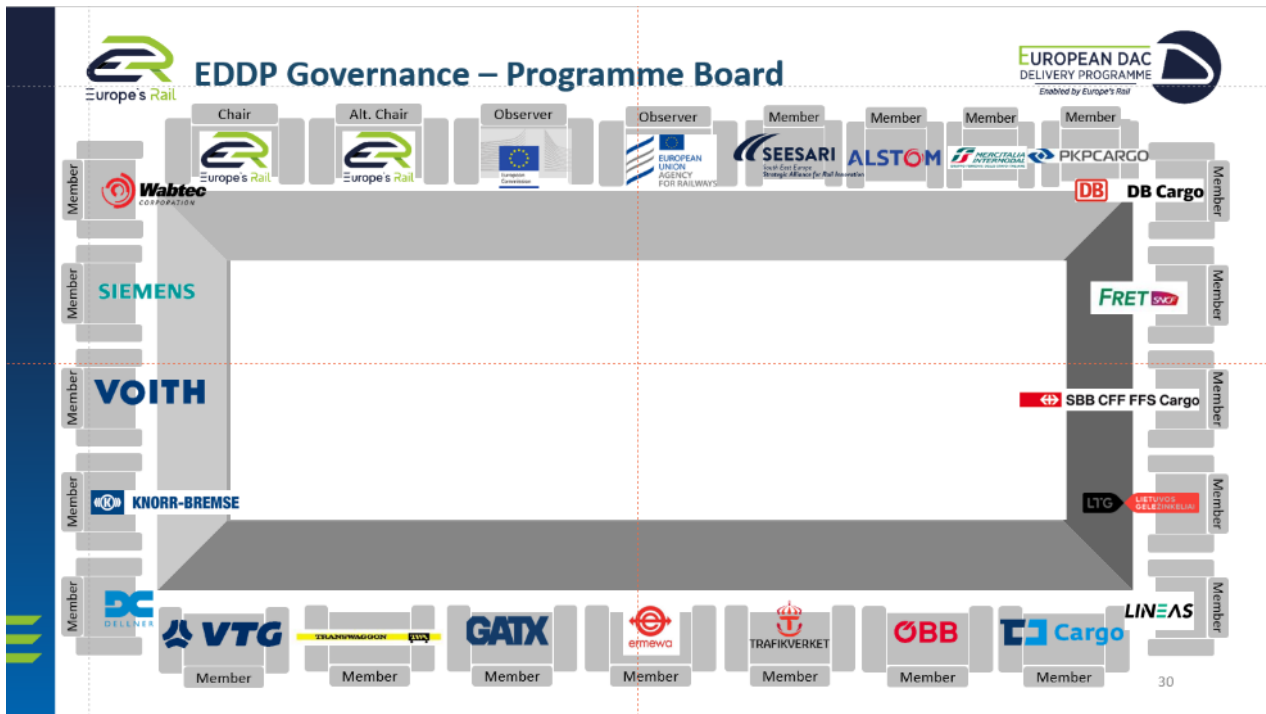


Figure 6. EDDP Governance – Programme Board (status March/April 2024)

The **EDDP Programme Board meetings** covered by this summary were held (all via video conference) on:

- › 24/04/2023, 01/06/2023, 29/06/2023 (deep dive on GMP), 12/09/2023, 21/11/2023
- › 30/01/2024

The EDDP Supervisory Board currently consists of 8 rail freight sector associations plus European Commission & Europe's Rail (chair and co-chair) plus European Union Agency for Railways, the RailFreightForward initiative and the International Union of Railways (UIC) (all observers).

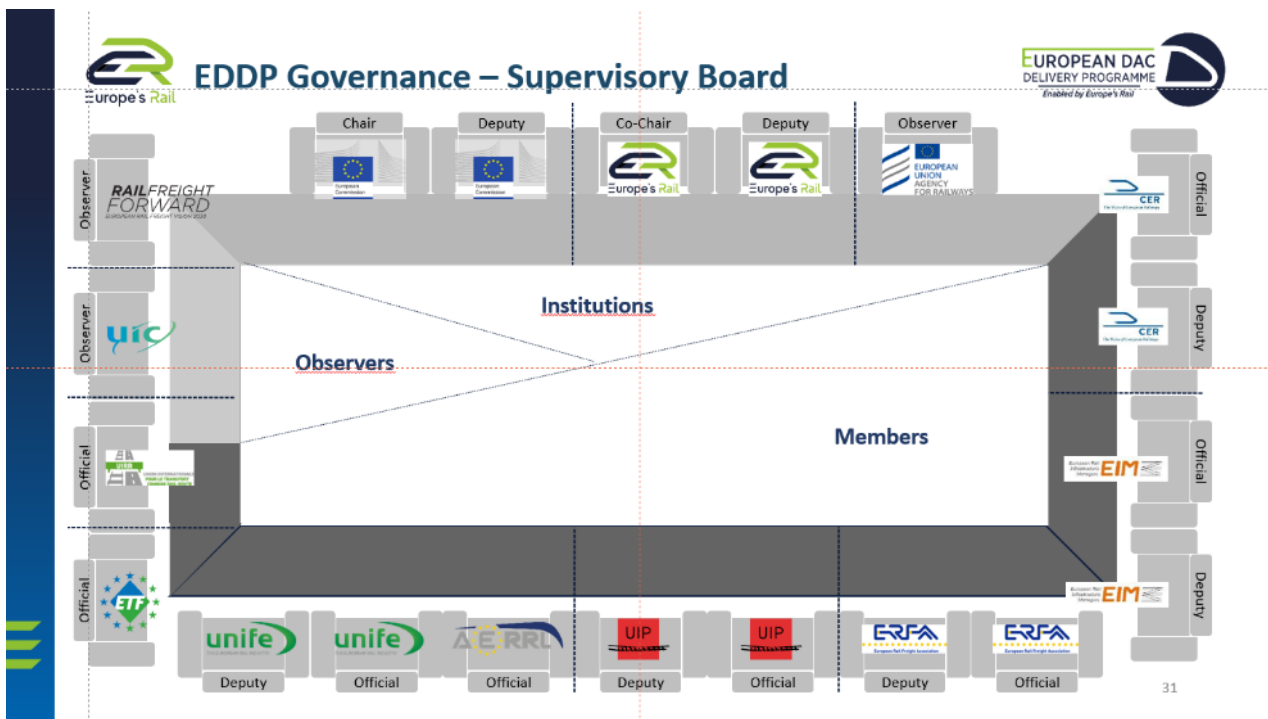


Figure 7. EDDP Governance – Supervisory Board (status March/April 2024)

The **EDDP Supervisory Board meetings** covered by this summary were held (all via video conference) on:

- › 23/03/2023, 29/06/2023, 25/10/2023
- › 14/02/2024

The EDDP programme management and, where required, the EDDP WP/work area leads presented the agenda topics according to the EDDP work programme either for information or for decision. The related presentations and Minutes of the Meeting are all available in the Europe's Rail Cooperation Tool IT environment.

The different board agendas with all topics prepared/managed prior to the meetings are **listed in the Annex of this summary**.

5.4. Managing interfaces to related EDDP work streams

The DACcord task consisted in “*Management of the interfaces to related EDDP work streams (e. g. EDDP PB, FP5 advisory/ “sounding” boards) including interfaces to other DAC-related EU-Rail JU activities (e. g. System Pillar etc.) and EC and ERA by setting up regular exchange meetings; sharing of the outputs with EDDP and linked projects from EU-Rail JU Flagship Area 5; interaction with the System Pillar as needed (by meetings) and with the EDDP groups/actions*” (cf. Grant Agreement).

The main interfaces to the related EDDP work areas were (see Figure 1) the:

- EU-Rail Flagship Project 5 TRANS4M-R (“A”)
- EU-Rail Flagship Project 5 advisory/ “sounding” boards
- EC and ERA (together with the JU) (“E”)
- EU-Rail JU System Pillar (Task 4) (“F”)
- and, as of beginning-2024, the “100 trains” project (“G”)

These interfaces were managed according to plan by regular exchange meetings on identified interface topics and sharing of the outputs with EDDP (mostly via the Programme/ Supervisory Boards).

Interface to EU-Rail Flagship Project 5 TRANS4M-R

Regular coordination meetings between EDDP PM & FP5 DFETO project managers took place on:

April 2023	03, 14, 19, 24, 27
May 2023	04, 11, 26
June 2023	29
July 2023	05, 13, 20
August 2023	18
September 2023	20, 28
October 2023	02, 06, 13, 16
November 2023	07, 10, 16, 23, 27
February 2024	01, 08, 15, 22
March 2024	21
(April 2024	11)

Interface to EU-Rail Flagship Project 5 advisory/ “sounding” boards

In order to keep the progress information for non-FP 5 members on FP5 developments (taking place in the FP5 TRANS4M-R project consortium, covered by a grant agreement and therefore not public per se), as open as possible, the so called “sounding boards” were continued. The FP 5 presented (after internal sign-off from FP5 Steering Committee) the progress on the work on

- a) operational procedures elaborated in FP5 and
- b) the state of play of technology development in FP5 to an interested audience.

Besides the intention to provide information to externals, these boards are especially important to gather feedback from the external participants on the ongoing work. The aim is to learn about potential improvements before the adopted final results will be taken over for the overall railway system by the ERJU's System Pillar. The (general) feedback from the participants is reported back to the EDDP boards.

The Sounding Boards were prepared together by FP5 and EDDP PM and took place / are planned on:

2023

11. Sounding Boards: Timeplan 2023



Webinar on FDFTO – Full Digital Freight Train Operations enabled by the Digital Automatic Coupler (DAC)

13th of September – invitation sent out by JU

- Introduction and Context (Mr. Ibanez de Yrigoyen, Mr Engelmann)
- Preliminary Target Operational Procedures Presentation (Mr Haller)
- Next Steps/Outlook (Mr Hénon)
- Conclusion (Mr Engelmann)
- [Link to Webinar](#)

Sounding Board on workers' and trade unions' perspective

12th of December – invitation pending

- Agenda Draft in preparation
- Topics: workers and trade unions board on technology development and operational procedures
- Link pending

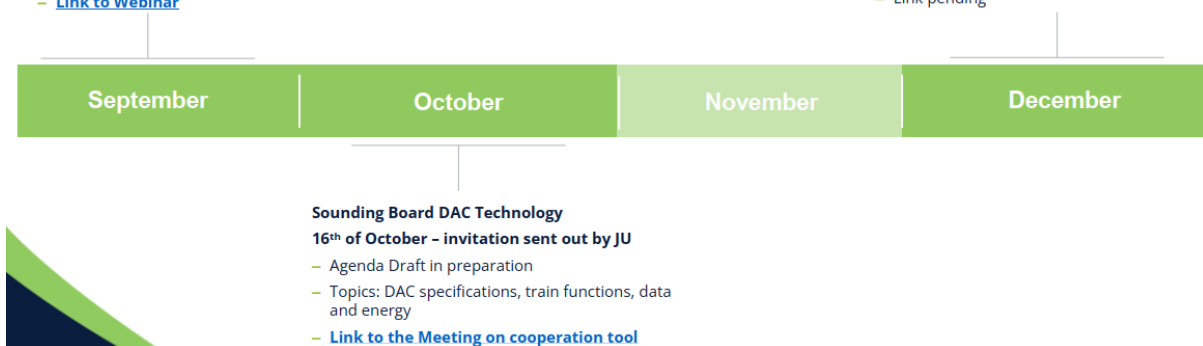


Figure 8. EDDP/FP5 Sounding Boards 2023

2024

Sounding Board dates	Type	Content
05. Feb 2024 PART I 09:00-13:00	FP 5 FDFTO Sounding Board on DAC Operational Procedures & FP 5 FDFTO Sounding Board on DAC Technology	OPE Sounding Board on FDFTO User Requirements Specification and Freight Architecture
05. Feb 2024 PART II 09:00-13:00	FP 5 FDFTO Sounding Board on DAC Technology	Technology Sounding Board on general status on specification for technology development and electrical coupler design decision, as well as testing updates (DAC focus)
05. Feb 2024 PART III 09:00-13:00	FP 5 FDFTO Sounding Board on DAC Operational Procedures (hosting System Pillar Task 4)	FP 5 FDFTO Sounding Board on DAC Operational Procedures Hosting System Pillar Task 4 on first draft rulebook format
06. Mai 2024 09:00-12:00	FP 5 FDFTO Sounding Board on DAC Operational Procedures & FP 5 FDFTO Sounding Board on DAC Technology	Technology Sounding Board on general status on technology development, specifications, ... (train function focus) & Architecture works
07. October 2024 09:00-12:00	FP 5 FDFTO Sounding Board on DAC Technology & FP 5 FDFTO Sounding Board on DAC Operational Procedures	<u>Sounding Board on Testing and Demo</u>
11. November 2024 09:00-12:00	FP 5 FDFTO Sounding Board on workers' and trade unions' perspective	Workers and trade unions Board on technology development and operational procedures

Figure 9. EDDP/FP5 Sounding Boards 2024



Interface to EU-Rail System Pillar (Task 4)

Regular synchronisation meetings between FP5 TRANS4M-R, EDDP and System Pillar (Task 4) re-started on 26/07/23, after a break of several weeks. Invitation, agenda-administration, minutes were kindly taken over by SPT4in agreement. The main topics covered up to now and addressed for solution in EDDP, FP5 and SP are operational rules/rulebook, central(ised) software updates, train/ground information flow, train integrity (link to ERTMS).

The topic management will be taken over into the general programme management

The meetings took place on:

July 2023	26
September 2023	08
October 2023	04, 05
November 2023	03
December 2023	11, 15
February 2024	01, 05, 23
March 2024	08
<i>(April 2024</i>	<i>19, 26)</i>

Interface to EC and ERA

In the work area "E" (see Figure 1), the main topics treated with **ERA** were the feeding of the further progressing FP5 specification on DAC technology into the draft TSI WAG in the so-called ERA TWG (Topical Working Group) Freight and the preparation of the vehicle authorisation provisions (driven by FP5 WP4). All contacts were coordinated with EU-Rail.

The meetings with the EC had various backgrounds, e. g. alignment before board meetings, general info exchange, meetings on the so called UIRR task force for Intermodal Traffic etc. All contacts were coordinated with EU-Rail.

The meetings took place on:

April 2023	11, 18, 19
August 2023	22, 31
October 2023	05, 10, 11, 12, 13
November 2023	21, 22
December 2023	05
January 2024	19, 20, 22
March 2024	13, 15, 25
<i>(April 2024</i>	<i>26, 29)</i>


5.5. Programme risk and deviation management plan

The DACcord task consisted in *“Setting-up & management of a programme risk and deviation management plan; proposing appropriate mitigating/countermeasures also for the implementing actions if needed; regular report in PB and SB”* (cf. Grant Agreement).


For a proper programme risk management, the results to be achieved by the different EDDP work areas – and by FP5 and SP, to be noted - have to be identified, planned and closely monitored. The achievement of these results constitutes the “internal risk” of the programme, complemented by the “external risks” from outside the programme.

These results are, in the case of EDDP, mainly achieved through deliverables (reports, summaries, calculations, other documents). They need to contribute to achieving the overall Work Area objective (*“do we do the right things?”*) within the multi-annual EDDP work programme.

To distinguish better the different EDDP activities from others, the “work packages” labelling was given up (work packages are used in every project, the EDDP/FP5 world being full of projects, leading to a multitude of WPs with the same number but totally different scope) and transferred into a taxonomy with “work area” designation, with clear references to the overall EDDP structure (see Figure 10).




We have updated the overall taxonomy



What's new?

- We have **“work areas”** (i. e. A, B, C, D,...), and **“activities”** (e. g. A1 to A3, C1 to C5, D1 to D4)
- Each activity has now a set of **(sub)workstreams** which result in **deliverables** with clear ownership



Why does this matter?

- Lack of transparency on ongoing work and status in the different areas
- Already many “work packages” in FP5/DACcord/project xy ...
- WP3 and WP5 numbering has no logic anymore (WPs 1, 2, 4, ... missing)
- A clear hierarchy is necessary for...
 - ...Clarity of Roles and Responsibilities
 - ...Progress tracking
 - ...Efficient resource management
 - ...Effective Decision-Making

The following breakdown logic applies (example):

- European DAC Delivery Programme
 - ↳ **Work Area C** “Migration”
 - ↳ **Activity C1** “Fleet analyses & RTF engineering (rtf readiness)”
 - ↳ **Workstream** “Preliminary technical rail freight fleet analysis”
 - ↳ **Deliverable** “Technical rail freight fleet analysis report”

Figure 10. EDDP structural taxonomy

A major but finally successful effort was required to align on the deliverables in the different activities with the WA leads. The process started in late-2023 and is under completion at the time of redaction of this summary. It even revealed that probably a refreshing objective-setting exercise is required in M13-24, as the deliverables proposed by the WAs did not always have a clear relationship to the intended outcome. The advanced intermediate result that will be presented to the Programme Board of April

2024 in an exemplary way for Work Area C for the activities C1-C3 was finally promising. It consisted of the work areas, activities, workstreams and deliverables shown in Figures 11 to 14 and integrated all upcoming or existing related EU-Rail projects at the right location of the work area/programme:

EDDP Work Area C: Migration

WORK AREA C: MIGRATION	
WORK AREA LEAD: [...]	
ACTIVITIES	RESPONSIBLE PERSON
C1 Fleet Analyses & rtf Engineering (rtf readiness)	Lisa Blumrodt
C2 Retrofit capacity (workshops, work-force, components)	Project X Partner
C3 Migration strategies & retrofitting	Andreas Lipka
C4 Infrastructural & IT adaptations	[...]
C5 Placing into service plan (safety, workforce training, rulebooks etc.)	[...]

Figure 11. EDDP Work Area C activities

EDDP Activity C1

ACTIVITY C.1: FLEET ANALYSES & RTF ENGINEERING (RTF READINESS)					
ACTIVITY LEAD: LISA BLUMRODT					
WORKSTREAMS	RESPONSIBLE PERSON	SUBSTREAMS	DELIVERABLES	(RESPONSIBLE if applicable)	DEADLINE
Preliminary technical rail freight fleet analysis	Project X Partner	Project X <u>substream</u>	Technical rail freight fleet analysis (preliminary summary)	Project X Partner	(project plan)
Finalization of technical rail freight fleet analysis	Project X Partner	Project X <u>substream</u>	Technical rail freight fleet analysis (summary)	Project X Partner	(project plan)
<u>Quantitative rail freight fleet analysis</u>	Lisa Blumrodt	Project X <u>substream</u>	Quantitative rail freight fleet analysis (summary)	Lisa Blumrodt	(project plan)
<u>European vehicle fleet upgrading database</u>	Lisa Blumrodt	<u>Intermediate data storage</u>	<u>European vehicle fleet upgrading database</u>	Project X Partner	(project plan)
		<u>Technical general information database setup</u>		Thomas Heydenreich/UIP	30.06 2024
		<u>EVR-linked database setup/cloning</u>		[...]	[...]
		<u>Database population (both)</u>		[...]	[...]
Upgrading engineering solutions all fleet	[...]	Loco engineer, call(s)	Upgrading engineering solutions all fleet	[...]	[...]
Upgrading special engineering solutions	[...]	[...]	Upgrading special engineering solutions	[...]	[...]

Focal point in PB

Figure 12. EDDP Activity C1 planning

EDDP Activity C2



ACTIVITY C.2: RETROFIT CAPACITY (WORKSHOPS, WORK-FORCE, COMPONENTS)					
ACTIVITY LEAD: DACFIT PARTNER					
WORKSTREAMS	RESPONSIBLE PERSON	SUBSTREAMS	DELIVERABLES	(RESPONSIBLE if applicable)	DEADLINE
Retrofitting processes, times & requirements	Project X Partner	Project X <u>substream</u>	Retrofitting processes, times & requirements (wagon summary)	Project X Partner	(project plan)
			Retrofitting processes, times & requirements (loco summary)	Project X Partner	
Available and Potential Retrofit Capacity	Project X Partner	Project X <u>substream</u>	Available and Potential Retrofit Capacity (wagon summary)	Project X Partner	(project plan)
			Available and Potential Retrofit Capacity (loco summary)	Project X Partner	
			List of 150 hardened suggestions for pop-up workshop sites	Sebastian <u>Hohn</u>	(project plan)
Assumption on components need	Wolfgang Alten	Basic package implementation	Updated version of components production description from <u>DAC</u> celerate migration study	Wolfgang Alten	(project plan)

3

Figure 13. EDDP Activity C2 planning

EDDP Activity C3 (1/2)



ACTIVITY C.3: MIGRATION STRATEGIES & RETROFITTING PLAN					
ACTIVITY LEAD: ANDREAS LIPKA					
WORKSTREAMS	RESPONSIBLE PERSON	SUBSTREAMS	DELIVERABLES	(RESPONSIBLE if applicable)	DEADLINE
Strategies and boundary conditions	Helge <u>Stuhr</u>	Effects on market participants and mitigation measures	Report on impact on market participants by the individual migration strategies and countermeasures*	Helge <u>Stuhr</u>	31.05.2024 ²⁾
		Alignment with technical component development and authorization strategy	Report on the consideration of migration requirements in FP5, and detected risks for migration	Helge <u>Stuhr</u>	31.05.2024 ²⁾
		Feasibility of a "big bang"	Big bang feasibility report (Strategies, processes, critical resources, and DSS dependencies)	Helge <u>Stuhr</u>	31.05.2024 ²⁾
		Technical and operational alternative solutions	Report on critical strategy issues and on the evaluation of alternative migration approaches	Helge <u>Stuhr</u>	31.05.2024 ²⁾

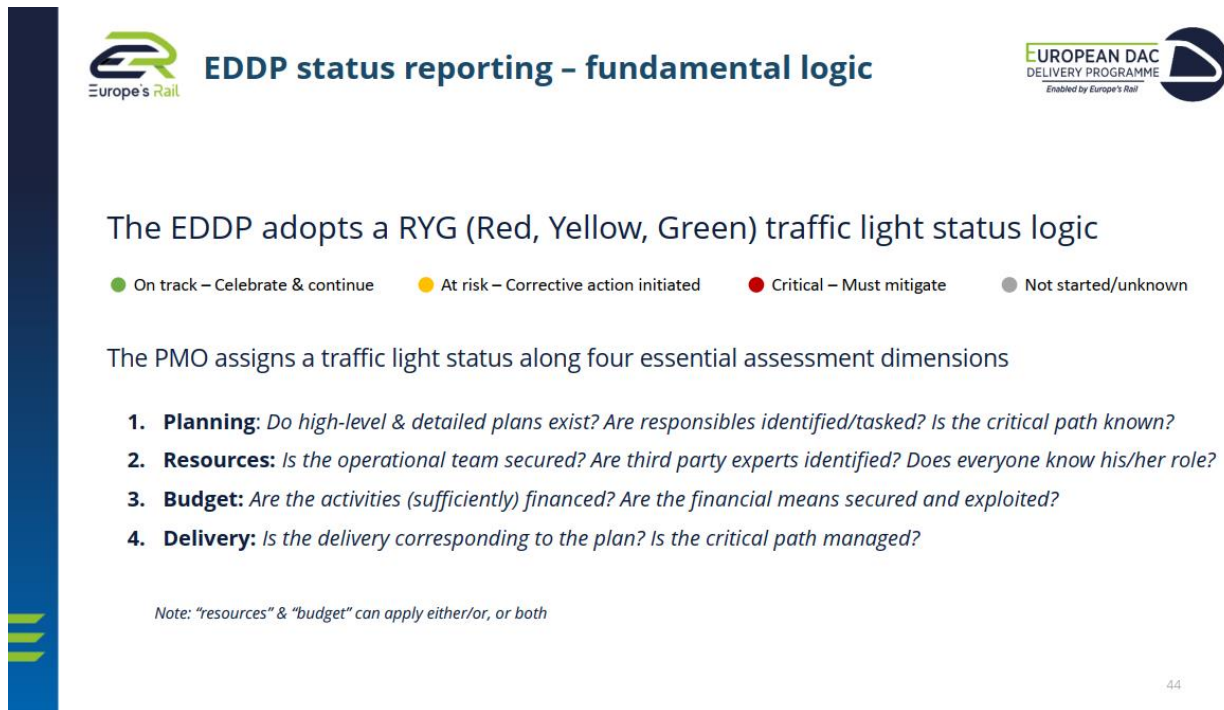
* examples: Rail operations in large sidings, impact of traffic demarcation on wagon deployment flexibility and damaged wagon management

Focal point in PB

4

Figure 14. EDDP Activity C3 planning

After having completed this exercise, the monitoring of the work execution will start, using a traffic light logic applied on the different parameters of the work (see Figure 15) (“do we do the things right?”):



EDDP status reporting - fundamental logic

The EDDP adopts a RYG (Red, Yellow, Green) traffic light status logic

● On track – Celebrate & continue ● At risk – Corrective action initiated ● Critical – Must mitigate ● Not started/unknown

The PMO assigns a traffic light status along four essential assessment dimensions

- 1. Planning:** *Do high-level & detailed plans exist? Are responsibilities identified/tasked? Is the critical path known?*
- 2. Resources:** *Is the operational team secured? Are third party experts identified? Does everyone know his/her role?*
- 3. Budget:** *Are the activities (sufficiently) financed? Are the financial means secured and exploited?*
- 4. Delivery:** *Is the delivery corresponding to the plan? Is the critical path managed?*

Note: “resources” & “budget” can apply either/or, or both

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Figure 15. EDDP traffic light status logic

In the next summary for the project months M13-24, the results of the application of the traffic light logic will be reported, including the identification of the critical path, which will help to focus on the specific yellow/red areas deliverables / risks of the programme and lead to the overall programme risk management system.

5.6. Stakeholder Management

The DACcord task consisted in “Support the EU-Rail JU in the Stakeholder Management; organise/ steer the EDDP stakeholder management team; organisation, together with the FP5, of EDDP/FP5 sounding boards (technology, operational procedures and potentially more) to pre-align the sector (sounding board schedule to be aligned with FP5)” (cf. Grant Agreement).

The works performed and results achieved are depicted in the DACcord WP9 deliverable D9.1.

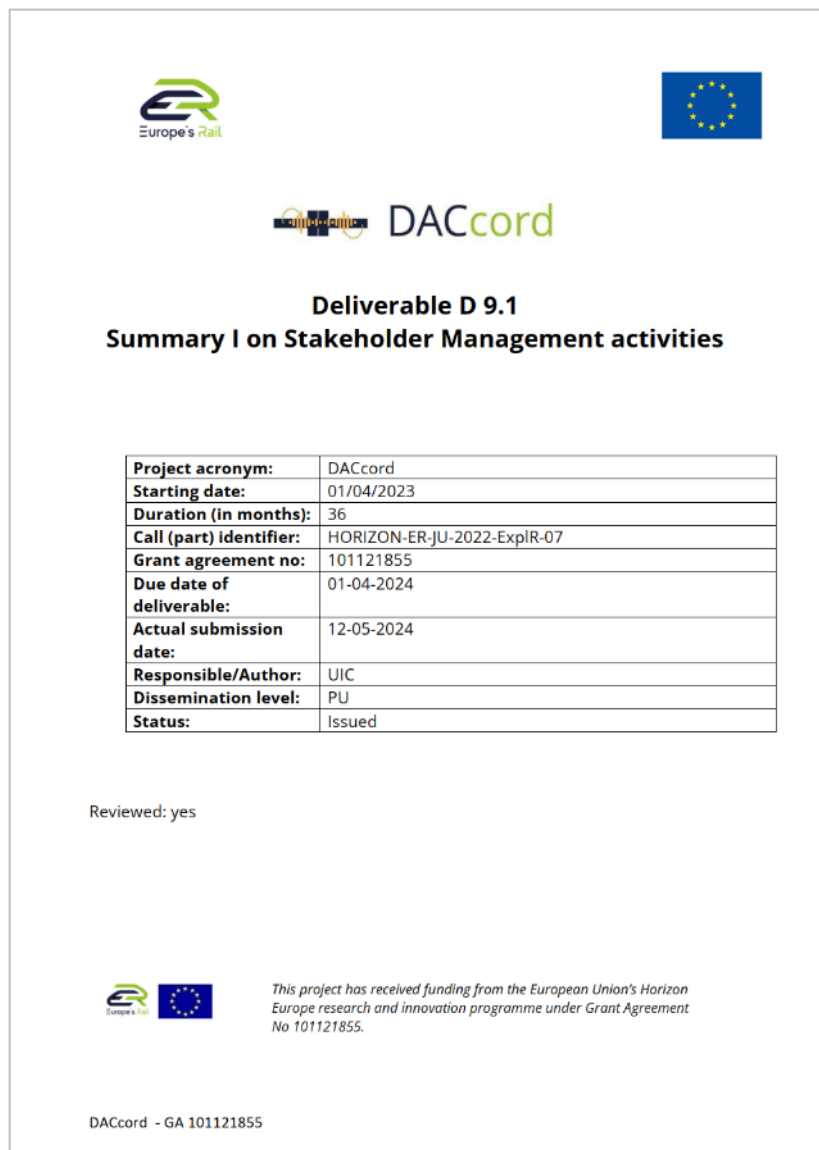


Figure 16. Cover of D9.1 Summary I on Stakeholder Management Activities

5.7. DAC basic (starter) package

The DACcord task consisted in “Specifically, defining for discussion/decision the DAC technology packages/components for deployment (“starter package”) in function of the progress in the FP5 FDFTO technical development and ERA authorisation process” (cf. Grant Agreement).

The background was to focus the DAC technology development in the FP5 TRANS4M-R project on the most beneficial functionalities which can be developed successfully within the EDDP timeframe and, at the same time, still be handled in DAC migration without overwhelmingly increasing the complexity and complication of the later DAC deployment due to a large bundle of new technology which must work perfectly in the field directly after installation. So, one aspect of defining a **“DAC starter package” (later renamed to “DAC basic package”)** is to de-risk technology development as well as the technology roll-out, whilst remaining upgradeable to later added technical enablers (use cases).

This task was part of the definition/management of the migration roadmap and will also be reported in the DACcord WP6 deliverable D6.1 on DAC migration roadmap.

The work kicked off in the 15/04/2023 Programme Board, aiming at a decision in the 12/09/23 PB. (Figure 17).

4. DAC migration roadmap - DAC “starter package”: state & decis. criteria



Request to the Board for action

› To discuss internally the potential packages	Reminder from 15/04 PB	PB members
› To choose preferred starter & target packages (if different)		PB members
› To choose preferred steps + timeline(s) for starter pack => target pack, if any		PB members
› To organise bilaterals EDDP PM & WP3 ⇔ PB members until 01/06 PB		EDDP PM
› To present first consolidated views in 01/06 PB		EDDP PM & WP3
› To moderate consensus-building until 12/09 PB for decision (incl. presentation in FP 5 sounding boards)		EDDP PM & WP3

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Figure 17. DAC Basic Package work plan (April 2023)

Bilateral meetings between the EDDP PM and the EDDP PB members led to an intermediate presentation of the results in the 01/06/2023 Programme Board and to a state of play which was ready for decision in the 12/09/2023 PB as planned (Figure 18).

4. DAC migration roadmap - DAC "starter package": state & de

Similar view by some manufacturers



	Starter (Standard?) Package									time span	« later »					
	UIP	Dellner	SBB C	RLE	ÖBB	CD C	DB C	Voith	KB		SBB C	RLE	ÖBB	DB C	KB	Dellner
Functionality																
Mechanical uncoupling from wagon side	no re-authoris. effort	•	•	•	•	•	•	•	(•) FDN							
Push-button uncoupling from wagon side			FDN		FDN		•		• FDN	•						
Uncoupling in-train from loco ("S")				•	prep	•	•		Prep	•	RC?					
Uncoupling from remote (radio?) ("S+")											•	(•)	•	•	FDN	
"Prevent coupling" (+ wagon/infra release)		•		•	•	•	•	•	•	•						
Energy/data management			WSG		•	•	•	•	•	•					•	
Train composition / wagon order				•	•	•	•	•	•	•					•	
"Ensure rolling" (remote bleeding)				•	•	•	•	•	Prep	•					•	
Automated brake test			RC	prep	•	•	•	•	•	•	•				•	
Train integrity as functionality				prep	prep	prep	prep	FDN	Prep	•	RC?	•			•	
Automated technical wagon inspection				prep	prep	prep	prep	prep	prep	•	•			•	•	
Rear view camera																
ep-brake (type: tbd)					FDN	FDN	FDN	FDN	FDN							
Dynamic wagon brake																
Electronic parking brake / mandatory?	no (vehicle) re-authorisation effort						(new)	FDN	FDN							
Automated yard operations																

= DAC type WSG = wheelset generator RC = optional FDN = further discuss

SBB: yes for digital, but data/energy independence

A majority of PB members desires a package already offering digital benefits, consisting of

- mechanical or push button uncoupling from wagon side incl. "prevent coupling"
- uncoupling in-train from loco
- train composition/wagon order
- automated brake test
- data/energy system "ready" for the other functions (+upgradeable)
- avoiding re-authorisation as much as possible

Package corresponds to CBA tech package 3

Figure 18. Results of the DAC Basic Package bilateral alignments with EDDP PB members

The result was handed over to the FP5 TRANS4M-R project after the 12/09/23 PB meeting for feasibility feedback and related time planning (see Figure 19).

3. DAC basic package

Recommendation Reminder from 12/09 PB **or decision**


- › To decide to exclude a purely mech. package (AC)
- › to decide at minimum a "digital" starter/basic package approach (comprising the described data/energy & functions)

› To request the FP5 (technical development experts) to present **valid time plans**, defining their point in time readiness for the start of deployment (commercial pilot trains & general) incl. RAMS & authorisation, as soon as possible and **to be presented in the next PB**


- › EDDP PB members to start the pre-planning for the 100 commercial pilot trains
- › EDDP PM / EU-Rail to send respective information to EDDP and RFF members

Figure 19. Decision request on DAC Basic Package and FP5 feedback in 12/09/23 PB

After the FP5 confirmed the EDDP request, the final decision on the DAC Basic Package could be taken in the 21/11/2023 Programme Board.



3. DAC basic package



Recommendation to the Board for decision

› To decide (confirm) the “DAC basic package” for demonstrator trains and pre-deployment trains & being the minimum package for full deployment (whereas further design principles like e.g. upgradeability, modularity, interchangeability* could be added for the full deployment, as long as interoperability and performance of the basic system will be maintained):

- DAC coupler incl. energy/data system**
- Train composition/wagon order detection

- Automated brake test
- Train integrity & train length determination

- Automated uncoupling (uncoupling in-train from loco)

Notes:
 * modularity, interchangeability, upgradeability & options for centralised software updates (e.g. over-the-air) will be discussed in separate expert groups
 ** coupler with mechanical or push-button uncoupling from wagon side and incl. “prevent coupling” function

Figure 20. DAC Basic Package

The different alignment meetings on the DAC Basic Package between EDDP PM and the EDP PB members and EC/EU-Rail took place on:

April 2023	13, 18
May 2023	16, 22, 30, 31
June 2023	19
July 2023	19, 24, 26, 27, 28
August 2023	16, 17, 18, 30, 31
September 2023	04
November 2023	16, 20

6. Conclusions

This summary describes the performed **European DAC Delivery Programme (EDDP) general and specific programme, risk, deviation and interfaces management** in the DACcord WP3 from project month M1 until M12.

The tasks to be carried out under this programme / DACcord project could be realised successfully by the EDDP programme managers in support to the EU-Rail JU (leading to the “EDDP work programmes” with their deliverables) and in cooperation with all parties involved in the different EDDP work areas and their interfaces, including the European Commission and the European Union Agency for Railways.

The main achievements in the overall EDDP management in the Reporting Period 1 were

- › the setting-up of the so called “General Master Plan” V01 for the entire programme
- › the setting-up of refined (multi-annual) plannings for the different EDDP work areas (providing also the basis for programme risk management) & progresses in their execution
- › the definition of the so called “DAC Basic Package” (“starter package”), representing the bundle of components with which the DAC deployment should start
- › the kicking-off of the “pre-deployment trains” (= “pioneer trains”) project
- › the delivery of a (draft) EDDP stakeholder management plan (DACcord WP9)
- › a proposal for DAC deployment structures and funding/financing mechanisms (DACcord WP11)

The objective of the WP3 has been fully achieved and all tasks have been successfully performed.

The **next steps** of the DACcord/EDDP programme management in the upcoming reporting period are:

- Further management of the ongoing tasks in the different EDDP work areas, including related risk management in case of deviations, and ongoing support to the EU-Rail JU
- Further execution of the EDDP General Master Plan and the EDDP work areas workstreams
- Seamless integration of new EU-Rail projects supporting the migration roadmap work areas
- Interface management to EU-Rail FP5 TRANS4M-R project and System Pillar Task 4 in order to make the DAC Basic Package available as foreseen for deployment
- Setting-up the “pioneer trains” project (and governance) together with all parties involved
- Implementation of the EDDP stakeholder management action plan
- Refining the CBA with benefit cases studies and potentially regional CBAs in EDDP work area D

This work will be continued in the DACcord WP4 in the project months M12 to M24 and be summarised in the DACcord deliverable D4.1.



7. References

For an overall information on the programme and its related work areas, refer to:

<https://rail-research.europa.eu/european-dac-delivery-programme/>

All project deliverables can be found in the related parts of the Europe's Rail Cooperation Tool IT environment (programme members only).

8. Appendices

EDDP Programme Board agendas

Draft PB agenda		EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>
1. Introduction, Welcome, adoption of the Agenda		[ER JU]
2. Review of actions since the last PB		[ER JU/PM]
EDDP and migration roadmap		
3. DACcord project & PM reconfirmation	<i>point type</i>	[PM/ER JU]
4. Allocation of former EDDP WPs 1-8 to EDDP neo	decision point	[ER JU/PM]
5. Further detailed DAC draft master plan	action point	[PM/ER JU]
6. EDDP work programme 2023	action point	[PM]
7. DAC migration roadmap: DAC "starter package" / way forward	action point	[PM/WP3]
8. Stakeholder management / Sector statement		[ER JU/PM]
9. Dissemination & events 2023		[PM]
FP5-TRANS4M-R/FDFTO		
10. Important topics		[FP5]
11. OPE sounding board 23/03/2023: results, feedback		[FP5]
System Pillar (Task 4)		
12. --		[SP Task 4]
13. AOB and closing		[all]

Figure 21. EDDP Programme Board agenda 25/04/2023

Draft PB agenda		EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>
1. Introduction, Welcome, adoption of the Agenda		[ER JU]
2. Review of actions since the last PB		[ER JU/PM]
EDDP and migration roadmap		
3. new WP3 Co-Lead	<i>point type</i>	[ER JU/WP3]
4. Further detailed DAC draft master plan	decision	[PM/ER JU]
5. Critical issue 3 - fleet retrofit preparedness: state of play	decision	[PM/WP3]
6. DAC migration roadmap - DAC "starter package": state of play	action	[PM/WP3]
7. Sector statement: state of play	information	[PM/WP3]
8. CBA update	information	[PM/ER JU]
9. Overall DAC initiative SPOCs	information	[ER JU/WP5]
FP5-TRANS4M-R/FDFTO		
10. Important topics : Interface A	information	[ER JU/PM]
11. Sounding boards : indicative time plan 2023	information	[FP5]
System Pillar (Task 4)		
12. General Status	information	[FP5]
13. AOB and closing		[SP Task 4]
		[all]

Figure 22. EDDP Programme Board agenda 01/06/2023

Deep dive agenda (draft)		EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>	
› Introduction, <u>welcome</u> , adoption of the Agenda	09h00 – 09h10	ER JU/PM	
› Kick-off the reflections: presentation of VTG thoughts	09h10 – 09h30	M. Knüpling	
› Discussion, amendments, additional points, ...	09h30 – 10h15	all	
› Potential graphical improvement: options, discussion, decision	10h15 – 10h45	PM / all	
› Wrap-up / summary; next steps	10h45 – 11h00	PM/ER JU	

Figure 23. EDDP Programme Board agenda (GMP deep dive session)-29/06/2023

Draft PB agenda		EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>	
1. Introduction, Welcome, adoption of the Agenda		[EU-Rail/EC]	
2. Review of actions since the last PB		[EU-Rail/PM]	
EDDP and migration roadmap			
3. Task Force on DAC for Intermodal Wagons	<i>point type</i>	[EC/EU-Rail/WP5]	
4. DAC migration roadmap - "starter package": state & decision crit.	decision	[PM/WP3]	
5. Critical issue 3 - fleet retrofit preparedness: state of play	decision	[PM/WP3]	
6. DAC General Master Plan 01: positive communication	information	[PM/EU-Rail]	
7. Sector statement: next steps	information	[PM/ EU-Rail]	
8. Communication/dissemination 2023 + <u>EU-Rail</u> website update	information	[PM/ <u>EU-Rail</u>]	
FP5-TRANS4M-R/FDFTO			
10. FDFTO major open topics	information	[FP5]	
11. <u>Sounding boards</u> : <u>target OPE proced.</u> (13/09), tech (16/10, 11/12)	information	[FP5]	
System Pillar (Task 4)			
12. Pre-info: draft OTA architecture + cloud/platforms	information	[SP Task 4]	
13. EDDP PB and SB planning 2024 (save-the-dates)	information	[EU-Rail]	
14. AOB and closing		[all]	

Figure 24. EDDP Programme Board agenda 12/09/2023

Draft PB Agenda			
1. Introduction, Welcome, adoption of the Agenda			[EU-Rail/EC]
2. Review of actions since the last PB			[EU-Rail/PM]
FP5-TRANS4M-R/FDFTO & EDDP			
3. FDFTO updated planning + decision "DAC basic package"	decision		[FP5/EU-Rail/PM]
4. Call for 100 pre-deployment trains	information		[PM]
5. Sounding boards 2023	information		[FP5]
EDDP and migration roadmap			
6. Overview on EU-Rail calls (fleet analysis + engineering)	<i>point type</i>		[EU-Rail]
7. EDDP overall planning 2023-2027: state of play	information		[PM/EU-Rail]
8. DME concept: meeting with SESAR DM	information		[PM/EU-Rail]
9. Stakeholder management plan: state of play	information		[PM/EU-Rail]
10. Communication/dissemination 2023/24	information		[PM/EU-Rail]
System Pillar (Task 4)			
11. AOB and closing			[all]
- ERA concept paper "in-service tests with DAC prototypes"	information		[ERA]

Figure 25. EDDP Programme Board agenda 21/11/2023

Draft PB Agenda			
1. Introduction, Welcome, adoption of the Agenda			[EU-Rail/EC]
incl. report on state of play on installation of NCPs			
2. Review of actions since the last PB			[EU-Rail/PM]
EDDP and migration roadmap			
3. EDDP overall planning 2024-2027: state of play	<i>point type</i>		[PM/EU-Rail]
4. Request for expression of interest for 100 pre-deployment trains	information		[EU-Rail]
5. Result from WP3 migration meeting on requirements to FP5	information		[EDDP WP3]
6. DME concept: meeting with SESAR DM	information		[EU-Rail]
7. Communication/dissemination 2024 + Stakeholder mgmt. plan	information		[PM/EU-Rail]
FP5-TRANS4M-R/FDFTO			
8. FP5 general status report	information		[FP5]
9. Intermediate report « modularity/interchangeability » subgroup	information		[FP5]
10. Sounding boards 2024	information		[FP5]
System Pillar (Task 4)			
11. Status Overview of the System Pillar	information		[SP Task 4]
12. AOB and closing			[All]

Figure 26. EDDP Programme Board agenda 30/01/2024

EDDP Supervisory Board agendas

Draft SB agenda	Proposed agenda before SB members input	EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>
1. Introduction, Welcome, adoption of the Agenda		[ER JU]
2. Review of actions since the last PB		[ER JU/PM]
3. information on Destination 8/topic 7 call		[ER JU]
EDDP and migration roadmap		
4. DAC Sector Statement		[PM/ER JU]
5. (loco) fleet data – state of play of survey (Critical issue 3)		[EDDP WP3]
6. Next steps (Q1-Q2/2023), incl. needs		[PM]
7. European Investment Plan study (results)		[ER JU/EY]
8. Dissemination & events 2023		[PM]
FP5-TRANS4M-R/FDFTO		
9. Brief report state of play FP5 (FDFTO)		[FP5]
10. DAC SPEC: coupler height/e-coupler/bridge plates (critical issue 1a)		[suppliers]
System Pillar (Task 4)		
11. Brief report state of play SP Task 4		[SP Task 4]
12. AOB and closing		[all]
14/02/2023 PB slides attached		

Figure 27. EDDP Supervisory Board agenda 23/03/2023

Draft SB agenda		EUROPEAN DAC DELIVERY PROGRAMME <small>Enabled by Europe's Rail</small>
1. Introduction, Welcome, adoption of the Agenda		[EC/JU]
2. Review of actions since the last SB		[EC/JU/PM]
EDDP and migration roadmap		
3. New Supervisory Board member: AERRL	<i>point type</i>	[EC/JU]
4. DACcord project & PM reconfirmation	decision	[PM/JU]
5. Allocation of former EDDP WPs 1-8 to EDDP neo	decision	[EC/JU/PM]
6. new WP3 Co-Lead	information	[EC/JU]
7. Further detailed DAC draft master plan	decision	[PM/JU]
8. Critical issue 3 - fleet retrofit preparedness: state of play	action	[PM/WP3]
9. DAC migration roadmap - DAC "starter package": state of play	information	[PM/WP3]
10. Sector statement: state of play	information	[PM/JU]
11. CBA update	information	[EC/JU/WP5]
FP5-TRANS4M-R/FDFTO		
12. Sounding boards: indicative time plan 2023	information	[FP5]
System Pillar (Task 4)		
13. General Status	information	[SP Task 4]
14. AOB and closing		[all]

Figure 28. EDDP Supervisory Board agenda 29/06/2023

 Draft SB Agenda			
1.	Introduction, Welcome, adoption of the Agenda		[EU-Rail/EC]
2.	Review of actions since the last PB		[EU-Rail/PM]
EDDP and migration roadmap			
3.	Summary of the exchange in the last Programme Board	<i>point type</i>	[EU-Rail/PM]
4.	Decision points (recommendations agreed by the PB)	information	[EU-Rail/PM]
	4.1 (Informal) Task Force on Intermodal Wagons		[EC/EU-Rail]
	4.2 DAC "starter/basic package": state & decision criteria	decision	
5.	Communication/dissemination 2023 + EU-Rail website update	decision	[PM/ EU-Rail]
		information	
FP5-TRANS4M-R/FDFTO			
6.	FDFTO major open topics + sounding boards	information	[FP5]
System Pillar (Task 4)			
7.	Pre-info: draft OTA architecture + cloud/platforms	information	[SP Task 4]
8.	EDDP PB and SB planning 2024 (save-the-dates)	information	[EU-Rail]
9.	AOB and closing		[all]
12/09/2023 PB slides attached			

Figure 29. EDDP Supervisory Board agenda 25/10/2023

 Draft SB Agenda			
1.	Introduction, Welcome, adoption of the Agenda		[EU-Rail/EC]
	incl. report on state of play on installation of NCPs		
2.	Review of actions since the last SB		[EU-Rail/PM]
EDDP and migration roadmap			
3.	EDDP overall planning 2024-2027: state of play	<i>point type</i>	[PM/EU-Rail]
4.	Request for expression of interest for 100 pre-deployment trains	information	[EU-Rail]
5.	Communication/dissemination 2024 + Stakeholder mgmt. plan	information	[PM/EU-Rail]
6.	Summary of further topics from the last Programme Board	information	[PM/EU-Rail]
		information	
FP5-TRANS4M-R/FDFTO			
7.	FP5 general status report	information	[FP5]
8.	Intermediate report « modularity/interchangeability » subgroup	information	[FP5]
9.	Sounding boards 2024	information	[FP5]
System Pillar (Task 4)			
10.	Status Overview of the System Pillar	information	[SP Task 4]
11.	AOB and closing		[All]

Figure 30. EDDP Supervisory Board agenda 14/02/2024