Agenda

#CCRCC2019 - ERTMS conference

ERTMS – the Engine for the Digital Future

15-17 October 2019

Cité des Congrès Valenciennes
1 Esplanade des Rives Créatives de l'Escaut 59410 Anzin

DAY I: 15 OCTOBER – WORKSHOPS

13:00 – 14:00	**Registration**
14:00 – 14:15	**Welcome speech by EU Commissioner for Transport, Mrs. Violeta Bulc**
14:15 – 16:15	**Workshops – session A** **1A: ERTMS deployment and related challenges** *Rapporteur: Michel van Liefferinge – UNIFE (UNISIG)* **2A: Vehicle Upgrade and vehicle authorisation topics** *Rapporteur: Libor Lochman - CER* **3A: ERTMS regulatory and funding framework** *Rapporteur: Ian Conlon – DG MOVE* **4A: Railway Radio Communication System** *Rapporteur: Jean-Michel Evanghelou - UIC* **5A: Future transport system – Rail and CCS evolution** *Rapporteur: Michel Ruesen - EUG* **6A: Human and Organisational Factors** *Rapporteur: Jayne Yeo -ERA*
16:15 – 16:45	**Coffee**
16:45 – 18:45	**Workshops – session B** **1B: ERTMS deployment and related challenges** *Rapporteur: Michel van Liefferinge – UNIFE (UNISIG)* **2B: Vehicle Upgrade and vehicle authorisation topics** *Rapporteur: Libor Lochman - CER* **3B: ERTMS regulatory and funding framework** *Rapporteur: Ian Conlon – DG MOVE* **4B: Railway Radio Communication System** *Rapporteur: Jean-Michel Evanghelou - UIC* **5B: Future transport system – Rail and CCS evolution** *Rapporteur: Michel Ruesen - EUG* **6B: ERTMS and CCS performance optimisation** *Rapporteur: Reiner Behnsch – DB AG*

DAY II: 16 OCTOBER – "EXPERT DAY"

08:00 – 09:00	**Registration and coffee**

09:00 – 09:15	**Opening speech** *Josef Doppelbauer, ERA*

09:15 – 11:00	**Session I: ERTMS Deployment** *Moderator: Michel van Liefferinge – UNIFE (UNISIG)*

ERTMS deployment status
Ian Conlon – DG MOVE
Silvia Dominguez – ERTMS DM

- Corridor and NIP
- 2016 MoU – action plan – progress report – next steps

Marcin Wojcik – DG MOVE

- State of ERTMS deployment

Denmark: The Danish experience
Joanna Wisniewska – Rambøll
Peter Høier Boll – Rambøll
Johannes Flyvbjerg Jakobsen - Nordjyske Jernbaner

- Baseline 3 deployment
- Baseline 3 approval and 12-month operation experience

Belgium: Case study
Yves Werner – Infrabel
Pieter Van Eyndhoven – Infrabel

Italy: Status of ERTMS deployment
Fabio Senesi - RFI

- A New National Program for the acceleration of ERTMS implementation in Italy
- The key role for the decommissioning of Class B (technological Innovation harmonized with ERTMS migration)
- Main results of an independent Cost Benefit Analysis for the quick adoption of ERTMS in all network (TEN and Off TEN Lines)

Alessandro Valentini – Trenitalia
- ERTMS BL3 Migration plan

<u>Spain</u>: ERTMS Deployment in Spain - current situation and future challenges
Jaime Pereira – ADIF

Feedback from 6B workshop
Rapporteur: Reiner Behnsch – DB AG
Feedback from 1A/1B workshops
Rapporteur: Michel van Liefferinge – UNIFE (UNISIG)

Questions to the speakers

11:00 – 11:30	**Coffee**

11:30 – 13:00	**Session II: The ERTMS BL3 upgrade of 355 multi country freight locomotives** *Moderator: Libor Lochman – CER* **European & National Deployment Plans as a cause for an enforced On-board (OBU) upgrade** *Harald Heusner – RFC Rhine-Alpine* *Hanspeter Haenni – NSA CH* **Developing a financing and funding proposal** *Peter Brugts – Dutch Ministry of Transport* **Organising and contracting the owners of the rolling stock and the OEM industry including re-authorization issues** *George Nagel – Prorail* *Jerry Borger – Prorail* **Owner perspective** *Peter Wilms – NL program ERTMS* *Rainer Beller - Mitsui Rail Capital Europe* **Feedback from 2A/2B workshops** *Rapporteur: Libor Lochman – CER* **Panel discussion: ministry/owner representatives (RU & lease) /OEM/INEA/NSA**

13:00 – 14:15	**Lunch**

14:15 – 16:15	**Session III: ERTMS regulatory and funding framework** *Moderator: Pio Guido - ERA* **EU and MS funding perspectives & feedback from 3A/3B workshops** *Ian Conlon – DG MOVE* *Doris Gradenegger – DG COMP* **Agency and 4th Railway Package**

- **Trackside approval**
  Maria Bueno - ERA
- **Vehicle authorisation**
  Thierry Breyne – ERA

Revised CCS TSI
Juan Hernandez - ERA
- Changes to on-board subsystems – facilitating bug fixes
- ESC/RSC – implementation
- TSI CCS 2022

ERTMS Accredited labs: a powerful tool for performing independent ETCS components and system compatibility (ESC) tests
Jorge Iglesias Díaz – ERTMS Accredited labs

CCS testing activities and Agency monitoring role
Christian Klecha – ERA

ERTMS linked national rules
Hans Bierlein – ERA

Cybersecurity
Thomas Chatelet – ERA

Q&A
Moderator: Pio Guido - ERA

16:15 – 16:45	**Coffee**
16:45 – 18:20	**Session IV: Radio Communication System for Railways** *Moderator: Jean-Michel Evanghelou - UIC* **Introductory video on FRMCS** (from UIC) **Commission view on future radio system** *Carlo de Grandis – DG MOVE* **1st block: FRMCS Plans, Architecture, Technology and Challenges**

1st block: FRMCS Plans, Architecture, Technology and Challenges
- **Highlights of the ERA report to the Commission: FRMCS planning and governance, risks identified.**
  Chiel Spaans - ERA
- **FRMCS definition, specification and standardisation activities**
  Dan Mandoc - UIC
- **ECC: FRMCS spectrum**
  Vincent Durepaire - ANFR
- **Technical report on architecture**
  Patrick Marsch - ETSI

- **Status of S2R Adaptable Communications project**
  Ulrich Geier - S2R

Q&A

2nd block: GSM-R to FRMCS migration
- **Principles and risks for the migration**
  Wouter Malfait – ERA
- **Conditions for migration: view of the sector**
  Rob Dijkman – EUG
- **On-board architecture, technical key for migration**
  Chris Naenni - UIC
- **Industry vision: status on GSM-R and GPRS deployments, foreseen challenges for FRMCS migration**
  Michael Mikulandra – UNIFE (UNITEL)
- **The migration: operational changes, lessons learnt**
  Robert Sarfati - UIC

Q&A

Feedback from 4A/4B workshops & Conclusions
Rapporteur: Jean-Michel Evanghelou - UIC

18:20 – 18:50	**Concluding remarks** *Elisabeth Werner – DG MOVE*
19:00 – 22:00	**Cocktail dinner**

DAY III: 17 OCTOBER – POLITICAL DAY

08:30 – 09:00	**Registration and coffee**
09:00 – 09:20	**Opening speeches** *Matthias Ruete – DG MOVE*

09:20 – 11:20	**Session V: Future transport system – Rail and CCS evolution**
	Moderator: Michel Ruesen - EUG
	
	Big data
	  ▪ **The use of big data for rail**
	    Yves Perreal – UNIFE
	
	Feedback from A6 workshop
	Rapporteur: Jayne Yeo – ERA
	
	Future rail system (panels)
	  European view
	  ▪ **CCS System architecture and future vision**
	    Keir Fitch – DG MOVE
	  ▪ **ERA's view on the future rail system**
	    Josef Doppelbauer - ERA
	  ▪ **How Shift2Rail can help to create the future rail system**
	    Carlo Borghini - S2R
	  ▪ **Contribution of GNSS technology to the future rail system**
	    Carlo des Dorides – GSA
	
	Feedback from 5A/5B workshops
	Rapporteur: Michel Ruesen – EUG
	
	Q&A
	
	Sector view
	  ▪ **Trackside CCS evolution**
	    Andrew Simmons – Network Rail
	  ▪ **On-board CCS evolution**
	    Hélène Arfaoui-Kaynak - SNCF
	  ▪ **How Smart Rail fits in RCA and OCORA**
	    Steffen Schmidt - SBB
	  ▪ **How the next release of the TSI can facilitate CCS evolution**
	    Rob Dijkman - EUG
	  ▪ **Signalling suppliers point of view**
	    Rüdiger Brandt – UNIFE (UNISIG)

- Telecom suppliers' point of view
  Michael Mikulandra – UNIFE (UNITEL)

Main Outcomes of discussions - Q&A

11:20 – 11:50	**Coffee**

11:50 – 13:00

Keynotes on the theme: ERTMS, digitalisation and big-data. The future of safe and secure innovation in railways

Presented by Josef Doppelbauer

Innovative regulation
Josef Doppelbauer, Executive Director - ERA

Sustainable and smart mobility in EU
Henrik Hololei, Director-General for Mobility and Transport – DG MOVE

ERTMS as a cornerstone for innovation in railways
Carlo Borghini, Executive Director - S2R

Threats and opportunities from industry digitalisation
Evanghelos Ouzounis, Head of Unit Critical Infrastructures – ENISA

13:00 – 14:15	**Lunch**

14:15 – 15:15

Panel on innovating the railway sector

Moderator: **Philippe Citroën**- UNIFE

Participants:
- **ERA, Pio Guido,** Head of Railway Systems Department
- **CER, Libor Lochman,** Executive Director
- **EIM, Monika Heiming,** Executive Director
- **UNISIG, Michel Van Liefferinge,** UNISIG General Manager
- **UNITEL, Michael Mikulandra,** chairman of UNITEL
- **UIC, Jean-Michel Evanghelou,** Deputy Director of Rail System and Head of Telecom, Signalling and Digital Applications
- **EUG, Michel Ruesen,** Managing Director

15:15 – 16:15

Panel with railway CEOs

Moderator: **Josef Doppelbauer** - ERA

Participants:
- **SNCF Réseau, Patrick Jeantet**, CEO
- **ADIF, Isabel Pardo De Vera,** CEO
- **Bombardier Transportation, Danny Di Perna,** President

	• **US Federal Railroad Administration, Karl Alexy,** Associate Administrator for Railroad Safety and Chief Safety Officer
	Q&A
16:15 – 16:30	**Closing remarks**
16:30	**End of Conference**