

Moving Europe towards a sustainable and safe
railway system without frontiers.

Agenda

IPA ETCS Training

Luxembourg, 18 – 20 April 2023

Tuesday 18 April 2023, Luxembourg

<i>Time</i>	<i>Item</i>	<i>Speaker(s)</i>
09:00 – 09:30	Registration of participants	
09:30 – 09:45	Welcome administrative questions	Christoph Kaupat IPA Project Manager, ERA
09:45 – 10:00	Tour de Table	all
10:00 – 11:00	Introduction to this training, overview of the activities	ERA
11:00 – 11:15	Coffee Break	
11:15 – 12:15	Development of ETCS and GSM-R – a historic background Legal Framework / CCS TSI Annex A specifications	ERA
12:15 – 13:15	Lunch Break	
13:15 – 14:15	Principles of ERTMS General aspects	ERA
14:15 – 14:45	Q&A, Discussion	all
14:45 – 15:00	Coffee Break	
15:00 – 16:00	Introduction to GSM-R	ERA
16:00 – 16:45		
16:45 – 17:00	Wrap up of Day 1	Christoph Kaupat IPA Project Manager, ERA

Wednesday 19 April 2023, Luxembourg

<i>Time</i>	<i>Item</i>	<i>Speaker(s)</i>
09:30 – 09:45	Summary of Day 1	Christoph Kaupat IPA Project Manager, ERA
09:45 – 10:45	System architecture (Part I)	ERA
10:45 – 11:00	Coffee Break	
11:00 – 12:00	System architecture (Part II)	ERA
12:00 – 12:30	Q&A, Discussion	all
12:30 – 13:30	Lunch Break	
13:30 – 14:30	Principles, mode and transitions Procedures and Driver Machine Interface	ERA
14:30 – 15:30	Train rides in the driver's cabin on line Luxembourg-Ettelbruck: Departure 14:55 arrival in Ettelbruck at 15h35	CFL
15:35 – 15:50	Coffee break and Group Photo in Ettelbruck	all
15:56 – 16:38	Train rides in the driver cabin on line Ettelbruck-Luxembourg. Departure to Luxembourg 15:56 arrival at 16h38	all
16:40 – 17:00	Wrap up of Day 2	Christoph Kaupat IPA Project Manager, ERA

Thursday 20 April 2023, Bettembourg

<i>Time</i>	<i>Item</i>	<i>Speaker(s)</i>
08:15	Meeting point at the train station	all
08:28 – 08:38	Travel to Bettembourg: Departure 08:28 arrival in Bettembourg at 08h38. Walk to room CLIF (about 1.5 km)	
09:00 – 10:00	ETCS trackside approvals under the 4 th Railway Package	ERA
10:00 – 10:30	ERTMS evolutions in CCS TSI revision 2023	ERA
10:30 – 11:00	Coffee Break	
11:00 – 12:00	Available guidance material, online tutorials etc.	ERA
12:00 – 12:30	Q&A, Discussion	all
12:30 – 13:30	Lunch Break	
13:30 – 14:30	Planned IPA Project activities 2023	Christoph Kaupat IPA Project Manager, ERA
14:30 – 14:45	Coffee Break	
14:45 – 16:00	Demonstration of the hardware and principles of the decentralised L1 ETCS system	all
16:00 – 16:15	Wrap up of Day 3	Christoph Kaupat IPA Project Manager, ERA
16:15 – 17:00	Return to Luxembourg	

NB. all times indicated above are Luxembourg local time (CEST)