DAC Data/Energy Workshop | 30 May 2022 | 10:00-12:00 CET | Online

Digital Automatic Coupling (DAC) is more than a mechanical and pneumatical connection – why the "D" of DAC is for the future of freight

	AGENDA	Presenter
10.00 – 10.05	**Welcome note - Shift2Rail/Europe's Rail** • Introduction of agenda and speakers • Role of S2R/Europe's Rail Joint Undertaking	Europe's Rail JU
10.05 – 10.20	**Introduction - Target picture of EDDP (DACcelerate)** **Why do we do what we do?** • Current socio-economic challenges • We need to change, we need to transform the system, we need to be more agile, and we need to use the opportunities given by new technology and innovation, so we need to bring the sector to the 21st century • Significant increase of competitiveness of rail freight sector • Service quality for customers (incl. flexibility and reliability as well as innovation of services) and Operational quality • Productivity & cost efficiency (incl. level playing field: e.g. internalisation of external costs for all other modes; social standards; labour law,…) • Increasing rail system capacity (conventional and smart by using new technologies) o Digitizing the railways to improve efficiency, cost effectiveness, safety etc. • How can we jointly deliver this? • EDDP as a unique platform (established in Sept20,…) • Stakeholders involvement and structure of the programme • Driven by use-case approach and operators needs • DAC benefits • EDDP/DACcelerate video • DAC use cases • What is the plan – how do we get there (roadmap)?	Jens Engelmann EDDP Programme manager
10.20 – 10.30	**Why are energy and data needed in relation to EDDP final use case list?** • Overview communication system for freight trains - why is energy needed?	Philipp Wagenknecht ÖBB
	DATA	
10.30 – 10.50	**Status of play data specification (incl. data field report by DAC4EU)** Challenges for data specifications • Overview on evaluated physical layers • RAMS (Reliability, Availability, Maintainability & Safety) Analysis Next steps & outlook on DAC data specification	Stefan Hagenlocher hwh supported by expertise of Prof. Stefan Witte Owita

10.50 – 11.10	**Audience Q&A on topic "Data"** • Ad hoc or questions gathered in advance via association • Any final questions/comments from the audience	
ENERGY		
11.10 – 11.30	**State of play energy specification incl. energy field report by DAC4EU** Challenges for energy specifications • Voltage level + Power supply and loco system • Electric coupling – what does this mean for DAC • RAMS (Reliability, Availability, Maintainability & Safety) Analysis Next steps & outlook on DAC energy specification	Christoph Klose Siemens supported by expertise of Santiago Göpfert-Bordeu & Klaus Billner DB Systemstechnik
11.30 – 11.50	**Audience Q&A on topic "Energy"** • Ad hoc or questions gathered in advance via association • Any final questions/comments from the audience	
11.55 - 12.00	**Summary of the major statements, Brief outlook, Closing**	Stefan Hagenlocher hwh