



This project has received funding from the Shift2Rail Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement no. 826087 (M2O)

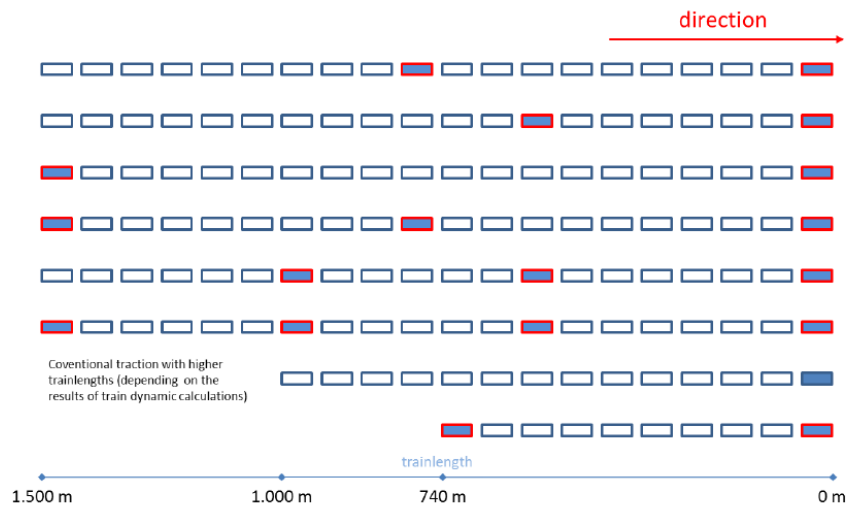


Marathon2Operation is a SHIFT2RAIL project started in December 2018 and is aiming to prepare the grounds for long trains starting from 740m up to 1500m with distributed traction from one to four locomotives. The objective is to prepare the precise safety documentation for two real demonstrators of the FR8RAIL II project of CFM Partners of Shift 2 Rail which should run on the German Network at the end of the project. More over it aims to give indications on what types of trains with various compositions should be able to run on German and European network if they respect certain constraints guaranteeing safety of the consist.

For that purpose numerous simulations supporting the safety studies have been made by Tor Vergata University in the various operational situations that may be encountered in Nominal and degraded modes.

Longer trains are a key development to enhance the efficiency of the rail freight transport in order to support the environmental targets of the European Union.

- Operation of DPS in trains up to 1,500 m
- Mixed trains



The mid-Term Event is a great opportunity to see the first developments of the project and to exchange on the future work to be done. The workshop will be focused on: 1) the sensitivity analyses developed for the longitudinal train dynamics models; 2) their application to possible new train configurations with up to 4 Traction Units and different technology implemented; 3) the going activities concerning the safe operation of long trains and next demonstrators.

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You are kindly invited to join our mid-term event on the **27th of February 2020** where, a dissemination workshop will be organized at **NIER headquarters in Castel Maggiore (Bologna, Italy), Via Clodoveo Bonazzi, 2**. Participation is free of charge.

For remote participants who could not join Internet connection will be available, but participation in person is encouraged.

The Draft agenda is:

09:00-09:30 - **Welcome**

09:30-10:30 - **M2O project**

- Objective and technical activities
- Discussion

10:30-11:00 - Coffee break

11:00-12:30 - **Sensitivity analysis and its application**

- Objective, technical activities and results
- Discussion

12:30-13:30 Sandwich Lunch

13:30-14:45 - **Safety analysis, modelling and assessment**

- Objective and technical activities
- Discussion

14:45-15:00 - Coffee break

15:00-16:30 - **On-going activities and final discussion**

Access Map



Register by 17th of February 2020 by sending an e-mail of attendance at midterm@marathon2operation.eu, specifying the type of participation (in person/remote)