Dear all,

I share with you the document Req Eng.xlsx formed by 3 sheets.

* The first sheet is called Requirement Engineering. This sheet is well progressed but not yet finished. It associates to each X2R3 requirement a classification criteria such as explained during  WP2 meeting (one can refer to slide 4 of UniEiffel presentation available in teams WP2 meeting – 22nd of September 2021).
  + The column A is the topic (as mentioned in X2R3 project).
  + The column B is the requirement ID (as mentioned in X2R3 project).
  + The column C is the description of the requirement (as mentioned in X2R3 project).
  + The column D is a check case, we select if the requirement is pertinent for formal modeling.
  + **The column E assigns a category to each requirement**. **A category can be behavior** (describes the behavior of L3 Trackside for example how to compute the track status or train position, etc.), **interaction** (describes interaction with other components mainly the TMS), **content** (precises for example stored train data) and **configuration** (precises the configuration of L3 trackside for example the L3 shall be configured to accept or not train integrity message from driver).
  + **The column F** precises**for which variant of Moving Block, the requirement can be applied** (Full Moving Block with TTD (FMB with TTD), Fixed Virtual Block without TTD (FVB wo TTD), etc.).
  + **The column G contains some comments or missing information** to be added for the requirement in order to clarify it.
  + **The column H defines the operational mode of the requirement** which can be **nominal or degraded.**

As I am not expert in Railway Systems, the column G may contain some questions that will be solved during a meeting to be organized with Julie and Mohamed after my vacation (I will be back 26th of October)

* The second sheet reports a part of the work done in D1.1 of Performingrail. It precises for each use case  L3 Trackside and On-board functions. I note that 1) Mixed traffic and sweeping are not defined in X2R3. 2) Movement Authorities management, Manage Low Adhesion Areas and Manage Temporary Speed Restrictions functions are not used. 3) Requirements related to train location, Movement Authorities, first MA, Reserved Status, Track Status, Trackside Train Detection, Fixed Virtual Blocks, EoA Exclusion Area and Traffic Management System interface should be common for all use cases.
* The last sheet is in progress. It assigns to each requirement a L3 Moving Block Trackside Functions. The objective is to complete the D1.1 Movingrail functional Modelling (see slide 10 of the UniEiffel  presentation - 22nd of September 2021).