

Progress plan for the data structure

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Modelling in sysML: Bernd Hekele

date: 2-12-13

Steps in the description of the data structures for train position and list of BG's

At the workshop in Berlin a structure for the limited (first part) scope was proposed. The structure designed consists of three functional blocks ("manage train position", "filtering" and "manage profile data") and data structures for Train position and a list of BG's.

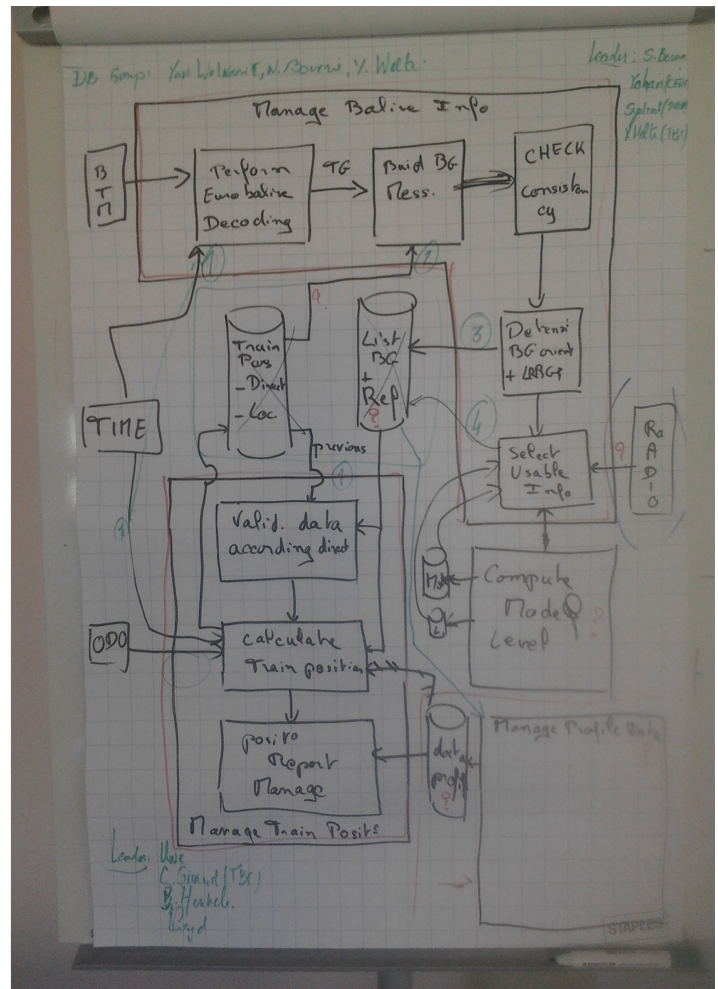
To define the data structures, the following steps are defined:

1. Describe the information and the format needed by the different functions.
2. Describe which input information is available and where the format of the data is described (packets, odometer information etc.).
3. Formulate criteria and discussions to decide on the format of the data structures.
4. Design different options for the data structure.
5. Choose a final data structure and model it in SysML

Step 5 shall be finalized and agreed before 20-1-2014 (for presentation on 22-1-2014)

Planning:

- Step 1 and 2: Necessary to model the functional blocks. The train position has priority as it is used by the functional blocks which will be designed in the first phase (manage train position and filtering). The list of BG's is only used in "manage profile data" (filled



with packets and positions of detected BG's).

first draft: 6th December 2013, agreed within the group:...

- Step 3: to be done in a (live?) meeting
between 16-20th December??
- Step 4: all group members can make proposals independent from each-other, to be
decided during a (live?) meeting (8-10 January 2014?)
- Step 5: modeling in sysML: can be done on a preliminary data structure (to be uploaded
3-12-13 and discussed at the 11th?). Final version after 10-1-14