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NB-Rail Association

RECOMMENDATION FOR USE

NB-RAIL COORDINATION GROUP

Administrative Decision according to Interoperability Directive
(EU) 2016/797 art. 30.6



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RFU-RST-315

Issue 01
Date 09/03/2022

TITLE

HANDLING OF ICs CONTAINED IN ICs

ORIGINATOR

TÜV SÜD Nederland

SUBJECT RELATED TO

- TSI LOC&PAS Reg. (EU) 1302/2014 amended by Reg. (EU) 2020/387
- TSI WAG Reg. (EU) 321/2013 amended by Reg. (EU) 2020/387
- TSI PRM Reg. (EU) 1300/2014 amended by Reg. (EU) 2019/772

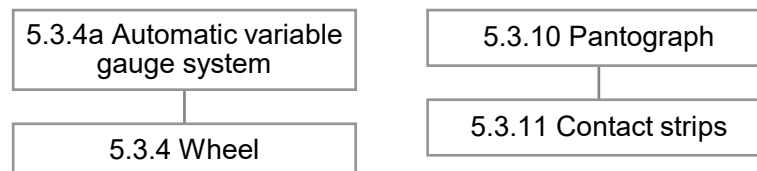
AMENDMENT RECORD:

DESCRIPTION AND BACKGROUND EXPLANATION

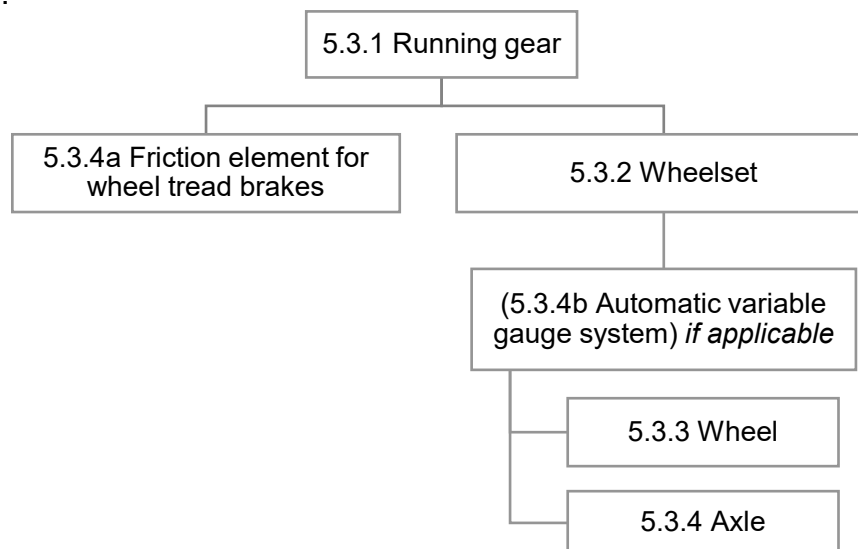
Background:

Some interoperability constituents (ICs) are or may be parts of other ICs, for example:

- TSI LOC&PAS:



- TSI WAG:





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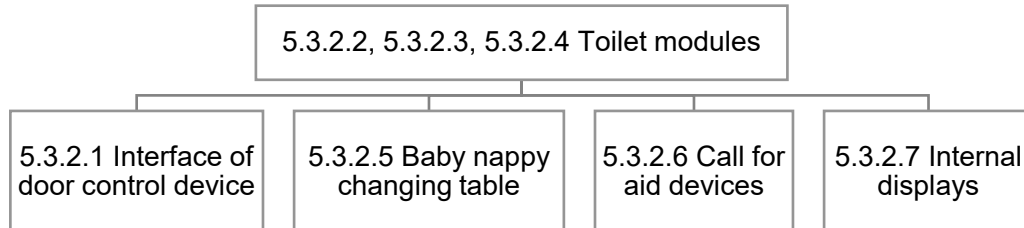
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- TSI PRM:



Manufacturers of the higher-level ICs often sell the IC as a complete product including its subordinate IC(s). Sometimes there are several exchangeable types of subordinate ICs, which are all intended for use in the higher-level IC, and the customer can choose one of the combinations; for instance: various wheel and axle types in a wheelset; various wheelset types in a running gear; various contact strips in a pantograph.

All ICs must be covered, at the time they are placed on the market, by a valid EC declaration of conformity, including the related EC certificates, where required by the TSI. These documents list the area of use and, if necessary, limits and conditions of use of the IC.

It must be taken into account that **a subordinate IC may influence the conformity-relevant behaviour and properties, i.e. the assessment results of the higher-level IC** it is integrated in. For example:

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- TSI LOC&PAS: pantograph / contact strip: mass and shape of the contact strip have an influence on the pantograph's dynamic behaviour;
- TSI WAG: running gear: wheel profile, maximum axle load and unsprung mass of the wheelset have an influence on running safety.

Question: How must a NoBo, while assessing a higher-level IC, treat any subordinate ICs?

RFU PROPOSAL



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Proposal:

A NoBo shall list in his certificate (or via reference to the associated NoBo Conformity Assessment Report) for the higher-level IC:

- the 'Conditions and Limits of Use' to subordinated IC(s), if any
- the type(s) of those subordinated IC(s) that were included in the higher-level IC at the time of assessment
- the 'Conditions and Limits of Use' to the Subsystem(s) and other IC(s), if any

Note: This may be one or several different compatible IC(s).

If no subordinated IC(s) at all were actually included in the higher-level IC, then precise 'Conditions and Limits of Use' shall be defined for the compatibility parameters of the possible subordinated IC(s), so that the NoBo assessing the subsystem can later evaluate the combination(s) proposed by the applicant.

In no case can an EC certificate of conformity for a higher-level IC cover the conformity assessment of the subordinate ICs, even if they are listed in the assessment report or in the limits and conditions of use. Each IC must undergo a separate EC conformity assessment and have its own EC Certificate of Conformity (where required by the TSI), and its own EC Declaration of Conformity.

The final responsibility for the compatibility assessment of the ICs in a subsystem lies with the subsystem manufacturer and is verified by the NoBo that assesses the subsystem, regardless of any IC hierarchy. Where the combination of a higher-level IC and (a) subordinate IC(s) has already been covered by a previous NoBo assessment, this may be taken into account by the subsystem NoBo.

The NoBo that assesses the subsystem is in any case obliged to list all assessed combinations of ICs in the NoBo-File, according to RFU-STR-011.

THIS RFU WAS AGREED ON

PLENARY MEETING 064

THIS RFU ENTERS INTO FORCE ON

09/03/2022

FROM THIS DATE ON THIS RFU CAN BE APPLIED INSTEAD OF THE PREVIOUS MANDATORY VERSION.

RFU APPLICATION IS MANDATORY STARTING FROM

09/06/2022

AT THIS DATE ANY PREVIOUS VERSIONS OF THIS RFU WILL BE WITHDRAWN.



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RFUs SHALL BE APPLIED BY ALL NOBOS. PLEASE REFER TO RFU-STR-702, CHAPTER 3 OF THE SECTION "DESCRIPTION AND BACKGROUND EXPLANATION", FOR THE LEGAL BASIS SUPPORTING THIS OBLIGATION.

ERA COMMENTS

PLE064 – 02/03/2022: No COMMENTS