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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-CCS-501

Issue 01

Date 09/11/2020

TITLE

'EC' VERIFICATION OF CCT SUBSYSTEMS - MARKER BOARD DIMENSIONS

ORIGINATOR

TÜV SÜD Nederland B.V.

SUBJECT RELATED TO

- CCS TSI (EU) 2016/919 amended by Reg. (EU) 2019/776
- Directive (EU) 2016/797

AMENDMENT RECORD:

DESCRIPTION AND BACKGROUND EXPLANATION

The aim of this RFU is to clarify what dimensions are acceptable for the stop marker boards certification.

Background:

CCS TSI section 4.2.15, annex A, 4.2.15a referring to Index 38 (06E068 v2, ETCS Marker-board definition):

- 1- Chapter 3.1.1.2 in index 38 states the following regarding the stop marker board dimensions: *"The dimensions in figure 1 shall be used only as relative dimensions. The absolute size of the ETCS Stop Marker is not harmonised"*.
Chapter 3.1.1.3 in Index 38 indicates: *"For practical manufacturing purposes, the actual relative dimension may deviate slightly from the relative dimensions given in Figure 1. This tolerance shall not exceed 5%. Figure 1 shows a height and width of 700 for the stop marker board."*
- 2- Index 038 shows in figure 1 the arrow of the marker board at distance of the left-side end but touching the right-side end.

Description of the situation:

- 1- In some tracks, it is not possible to have 700 x 700 marker boards and smaller marker boards are required. The harmonised standard EN 16494 gives alternative dimensions in table 3 that make it possible to have different sizes, but it is not part of the mandatory documents.
- 2- It seems that manufacturing processes for marker boards apply symmetry principles and the boards are manufactured with the arrow keeping the same distance from both right and left side ends. Recurrent deviations to the TSI may occur for marker boards that are specified as not being symmetric. This applies to EEIG: 06E068 and to the EN 16494.



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RFU PROPOSAL

- 1- The requirements 3.1.1.2 & 3.1.1.3 in EEIG: 06E068 don't mean that a reference dimension of 700 x 700 mm with only 5% tolerance is to be used (i.e. that a reduced size of 665 x 665 mm would be the minimum accepted dimensions, while EN 16494 allows 500 x 500 mm), because these are relative dimensions submitted to 5% tolerance (up to +5% or - 5%). E.g. a stop marker with dimensions 500 x 500 mm is not considered as a deviation to the TSI.
- 2- In case the marker board's arrow is centred (between left and right end of the sign, i.e. the requirements from Index 038 figure 1 are not fully respected), the non-conformity shall be mentioned in chapter 3 of NoBo file and the subsystem NoBo can issue a certificate of verification despite this deviation.

THIS RFU WAS AGREED ON

PLENARY MEETING 60

THIS RFU ENTERS INTO FORCE ON

09/11/2020 (DATE OF PUBLICATION)

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

RFU APPLICATION IS MANDATORY STARTING FROM

09/11/2020

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

PM 60 – 04/11/2020: NO COMMENTS