



RECOMMENDATION FOR USE

CO-ORDINATION BETWEEN NOTIFIED BODIES

DIRECTIVES 96/48/EC, 2001/16/EC AND 2008/57/EC
ON THE INTEROPERABILITY OF THE TRANS-EUROPEAN
HIGH-SPEED AND CONVENTIONAL RAILWAY SYSTEMS

RFU-INS-042

Issue 01

Date 17/06/2009

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TITLE

RELEVANT EUROPEAN STANDARDS FOR RAIL FASTENINGS

ORIGINATOR

SG INFRASTRUCTURE

SUBJECT RELATED TO

HS INS TSI (2007) and
APPLICABLE STANDARDS

DESCRIPTION AND BACKGROUND EXPLANATION

At the assessment of fastenings the following problem occurred: due to local settlements of the substructure it is necessary to use a larger adjustment in the future and a maintenance solution is proposed. It is foreseen to change the fastenings and install a new type.

To follow the correct assessment module in the TSI Infrastructure section 6.1, it is relevant to define whether the constituent (the new fastening) is established or not. The TSI Infrastructure lists 4 conditions for established constituents in section 6.1.2.

- a) it complies with the performances set out in Chapter 5 of the present TSI
- b) it complies with the relevant European standard(s)
- c) it is compatible with other interoperability constituents in the particular type of subassembly within which it is intended to be used.
- d) the particular type of subassembly within which it is intended to be used complies with the performances set out in Chapter 4 of the present TSI insofar as they apply to the subassembly.

Condition b) indicates that the constituent should comply with the relevant European standards. It is not clear which European standards are relevant.

In fact there is a kind of a definition problem, with 3 types of standards:

- 1) relevant standards, as they are mentioned in the TSI,
- 2) applicable standards, as they are listed by the ERA. They are divided in mandatory and relevant (voluntary) standards.
- 3) Harmonised standards, as they are published by the EC.

Question 1: What are the relevant European standards for fastenings?

Question 2: What is the additional assessment procedure for the Infrastructure subsystem?

Question 3: What does relevant, applicable and harmonised standard mean for the assessment procedures?



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Answer to question 1: The relevant European standards are indicated on the ERA website, as the “Applicable standards in HS Infrastructure subsystem TSI (2008/217/EC)”, version 1.0, date November 13, 2008. Relevant are the standards defined as mandatory and those defined as relevant (voluntary). The fastening has to be compliant with the standards EN 13481-2: 2002, EN 13146-1: 2002, EN 13146-4: 2002 + A1: 2006, EN 13146-5.

Answer to question 2: There is no additional assessment procedure for the Infrastructure subsystem required. The maintenance solution has to be incorporated in the maintenance plan and the technical file has to be updated with the EC Declaration of Conformity drawn up by the manufacturer of the fastening type.

Answer to question 3: The standards identified as relevant European standards in the TSI are listed by the ERA in the list “Applicable standards in XXX” for each TSI. The mandatory and also the relevant (voluntary) standards are relevant European standards according to the TSI.

DATE OF AGREEMENT AT NB RAIL PLENARY MEETING

17 June 2009 (Issue 01)

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