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RECOMMENDATION N. ERA-REC- 114-2017 /REC OF THE EUROPEAN UNION AGENCY FOR RAILWAYS

on

*closure of open point related to interface protocols between EMS
and DCS and transferred data format and editorial changes
amending the Annex to Commission Regulation (EU) No 1301/2014*

THE EXECUTIVE DIRECTOR

HAVING REGARD TO Regulation (EU) 2016/796 of the European Parliament and of the Council of 11 May 2016 on the European Union Agency for Railways and repealing Regulation (EC) No 881/2004, hereafter referred to as the 'Agency Regulation', in particular Articles 4 and 19 thereof,

HAVING REGARD TO Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system (Recast), hereafter referred to as the 'Interoperability Directive', in particular Article 5 thereof,

HAVING REGARD TO Commission Delegated Decision (EU) 2017/1474 supplementing Directive (EU) 2016/797 of the European Parliament and of the Council with regard to specific objectives for the drafting, adoption and review of technical specifications for interoperability, in particular Article 3 (c) thereof.

Whereas

1. The Annexes to Commission Regulation (EU) No 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the 'rolling stock — locomotives and passenger rolling stock' subsystem of the rail system in the European Union¹, hereafter referred to as the 'TSI LOC&PAS' and to Commission Regulation (EU) No 1301/2014 of 18 November 2014 on the technical specifications for interoperability relating to the 'energy' subsystem of the rail system in the Union², hereinafter referred to as 'TSI ENE' need to be amended in order to close the open point addressing the specification related to interface protocols between energy measuring system (EMS) and data collecting system (DCS).
2. In accordance with Article 5 of the Agency Regulation and with the work programme of the Agency, a working party has been established for analysing the subject and drafting the conditions for application of Article 23(1) of Interoperability Directive, in the scope of the ENE TSI. This working party has completed its work in October 2016, and as a result, the Agency has finalised drafting the corresponding amendments to the ENE and LOC&PAS TSI.
3. The proposed amendments have no direct impact on the social environment or working conditions of workers in the industry, nor on the rail freight customers or passengers. Therefore, no consultation of the social partners and rail freight customers and passengers, as provided for in Articles 6 and 7 of the Agency Regulation, correspondingly, is necessary. However, social partners being members of the working party had the opportunity to provide their comments.
4. The experiences gained after implementation of the Commission Regulation 1301/2014 indicated a need for some editorial corrections to the aim of better understanding and improvement of the text.

HAS ADOPTED the following recommendation:

1. In order to close the open point related to interface protocols between EMS and DCS and transferred data format, the Annex to Commission Regulation (EU) No 1301/2014 should be amended as set out in the Annex 1 to this recommendation.

¹ OJ L 356, 12.12.2014, p. 228.

² OJ L 356, 12.12.2014, p. 179.

As a consequence, a revision of Articles 3 and 9 of the Regulation should be considered.

2. In order to improve the clarity of the text and use the correct references, the Annex to Commission Regulation (EU) No 1301/2014 (ENE TSI) should be amended as set out in the Annex 2 to this recommendation.
3. Following the adoption of Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union, amendments of references to the Interoperability directive in the Commission Regulation (EU) No 1301/2014 should be considered, where necessary.

This recommendation is addressed to the European Commission.

Valenciennes,



Josef DOPPELBAUER
Executive Director

Annex 1: Proposed amendments to Annex to Regulation (EU) No 1301/2014 (ENE TSI) referred to closure of the open point related to interface protocols between EMS and DCS and transferred data format;

Annex 2: Proposed amendments to Annex to Regulation (EU) No 1301/2014 (ENE TSI) related to editorial changes in the published text.

Annex 1

Proposed amendments to Annex to Regulation (EU) No 1301/2014 (ENE TSI) referred to closure of the open point related to interface protocols between EMS and DCS and transferred data format (proposed amendments in bold)

(1) Annex to Regulation (EU) No 1301/2014 is amended as follows:

(a) point 2.1 (3) is modified as follows:

'(3). In accordance with Annex II, Section 2.2 of Directive 2008/57/EC, the trackside of the electricity consumption measuring system, referred to in this TSI as on-ground energy data **collecting** system, is set out in point 4.2.17 of this TSI.'

(b) point 4.2.17 is modified as follows:

'(1) Point 4.2.8.2.8 of LOC & PAS TSI contains the requirements for on-board Energy **Measurement** Systems (EMS) intended to produce and transmit the Compiled Energy Billing Data (CEBD) to an on-ground energy data collecting system.

(2) The on-ground energy data collecting system (DCS) shall receive, store and export CEBD without corrupting it, **in accordance with the requirements quoted in clause 4.12 of EN 50463-3:2017.**

(3) **The on-ground energy data collecting system (DCS) shall support all the data exchange requirements as defined in point 4.2.8.2.8 of the LOC&PAS TSI and requirements set out in clauses 4.3.6.1 and 4.3.7.1 of EN 50463-4:2017.'**

(c) point 7.2.4 is modified as follows:

'7.2.4. Within 2 years after **entering into force this Regulation**, Member States shall ensure that an on-ground energy data collecting system capable to exchange compiled energy billing data will be implemented.'

(d) Appendix E Table E.1 is modified by adding row 9 and row 10:

9	EN 50463-3	Railway application - Energy measurement on board trains - Part 3: Data handling	2017	On-ground energy data collecting system (4.2.17)
10	EN 50463-4	Railway application - Energy measurement on board trains - Part 4: Communication	2017	On-ground energy data collecting system (4.2.17)

(e) Appendix F is deleted.

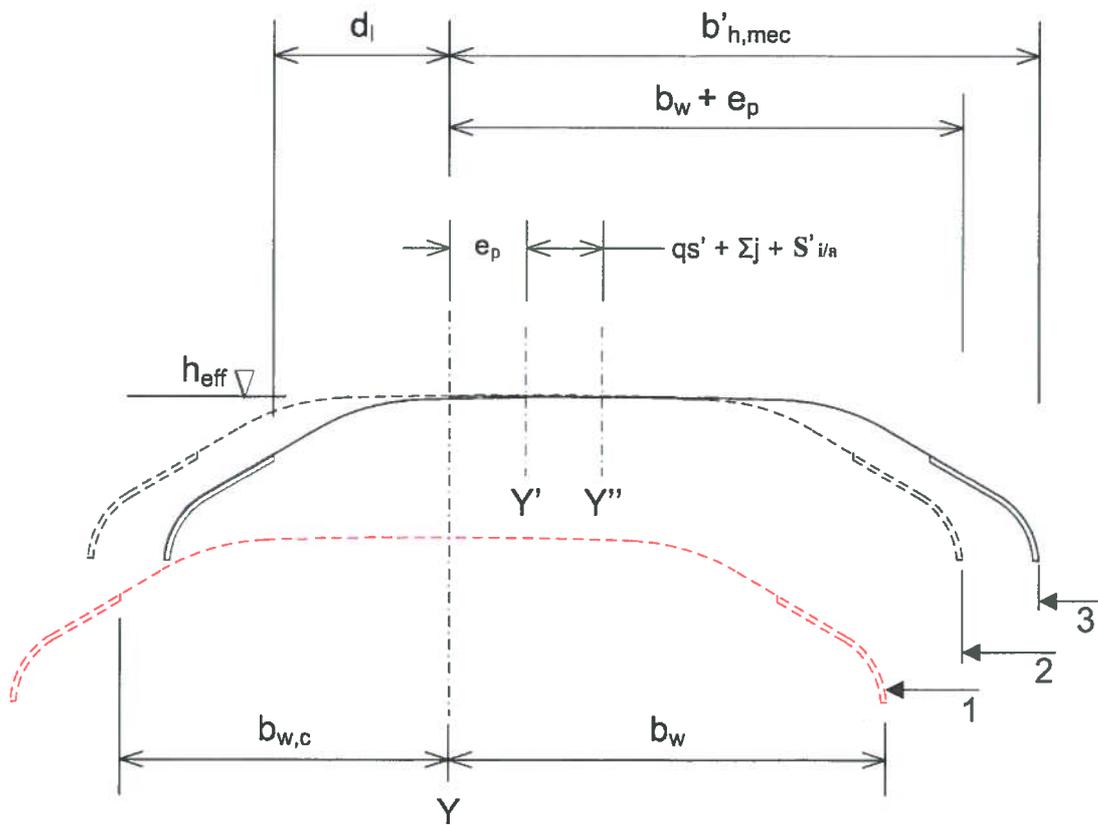
Annex 2

Proposed amendments to Annex to Regulation (EU) No 1301/2014 (ENE TSI) related to editorial changes in the published text.

Annex to Regulation (EU) No 1301/2014 is amended as follows:

- (1) the title of point 4.2.5 is modified as follows:
Current **at standstill (DC systems only)**.
- (2) point 4.2.13, first paragraph is modified as follows:
The overhead contact line shall be designed for a minimum of two pantographs operating adjacently. **The design spacing of the two adjacent pantograph heads, centre line to centre line, shall be equal or lower than values set out in one column 'A', 'B', or 'C' selected from Table 4.2.13:.**
- (3) in point 4.2.13, table 4.2.13, first row, the word "**Minimum**" in the titles of columns is deleted.
- (4) the title of point 5.2.1.6 is modified as follows:
Current at standstill **(DC systems only)**.
- (5) the title of point 6.1.4.2 is modified as follows:
Assessment of current at standstill **(DC systems only)**.
- (6) point 6.1.5 (c) is modified as follows:
'(c) **continuous** current rating;'
- (7) in point 7.3.1 (d) the last sentence is modified as follows:
'The procedure to be used for the demonstration of the level of compliance with the basic parameters of the TSI shall be in accordance with **Commission Recommendation 2014/881/EU**³.'
- (8) point 7.3.4 is modified as follows:
'7.3.4. The procedure to be used for the demonstration of the level of compliance of existing lines with the basic parameters of this TSI shall be in accordance with **Commission Recommendation 2014/881/EU**.'
- (9) Appendix D, Figure D.1 is modified as follows:

³ OJ L 356, 12.12.2014, p. 520–526



(10) Appendix G, Table G.1 Glossary, the row “Neutral section insulator” is deleted.