

ERTMS/ETCS – Class 1
Radio In-fill FIS with LEU/Interlocking
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Company	Technical Approval	Management approval
ADTRANZ		
ALCATEL		
ALSTOM		
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1. MODIFICATION HISTORY

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3. GENERAL

3.1 Scope

- 3.1.1.1 This document contains the Functional Interface Specification with LEU/Interlocking of Radio In-fill Subsystem.
- 3.1.1.2 In detail it concerns the interface between the Radio In-fill Unit (RIU) and the LEU/Interlocking.
- 3.1.1.3 This document defines only the type of information which shall be transferred from the LEU/Interlocking to the RIU, with no constraints about data structures and physical interfaces.

3.2 References

- [1] ERTMS/ETCS Class 1 “SRS Chapter 2 Basic System Description” – issue 2.0.0 – 22.12.99
- [2] ERTMS/ETCS Class 1 “SRS Chapter 3 Principles” – issue 2.0.0 – 22.12.99
- [3] ERTMS/ETCS Class 1 “SRS Chapter 7 ERTMS/ETCS language” – issue 2.0.0 – 22.12.99
- [4] ERTMS/ETCS Class 1 “SRS Chapter 8 Messages” – issue 2.0.0 – 22.12.99

- [5] ERTMS/ETCS Class 1 “Radio In-fill FFFS” – issue 2.0.0 – 30.03.00
- [6] ERTMS/ETCS Class 1 “Trackside-Trainborne FIS for Radio In-fill” – issue 2.0.0 – 30.03.00
- [7] ERTMS/ETCS Class 1 “Trainborne FFFIS for Radio In-fill” – issue 2.0.0 – 30.03.00

4. INFORMATION TYPES TO BE EXCHANGED

- 4.1.1.1 RIU shall be able to provide in advance, signalling information related to the next main balise group in the train direction.
- 4.1.1.2 This information is the same information contained in the telegram which is currently transferred by the LEU to the next balise group in the train direction
- 4.1.1.3 Hence, for each balise group which make reference to a RIU, the following information (which is route related) shall be transferred from the LEU/Interlocking to the RIU:
 - a) MA information
 - b) Static Speed Profile information
 - c) Gradient information
 - d) MA Mode Profile (if provided)