ERTMS/ETCS UNIT

LIST OF CLASS B SYSTEMS

Reference:	ERA/TD/2011-11	Document type:	
Version :	~~2~~3.0		Technical Document
Date :	~~05/12/2014~~04/12/2015		

	Edited by	Quality review	Approved by
Name	Angelo Chiappini		Pio Guido
Position			
Date & Signature			

Amendment record

Version	Date	Section number	Modification/description	Author
1.0	25/01/2012	All	First publication	AC
2.0	05/12/2014	Table	Extension to the whole EU rail network	AC
3.0	04/12/2015	Table	Editorial corrections and update	AC

Table of Content

1. INTRODUCTION

This document contains the list of train protection legacy systems required in the Control-Command and Signalling TSI.

2. ABBREVIATIONS AND REFERENCES

2.1. ABBREVIATIONS

The acronyms used as names of legacy systems are explained in the table in section 3.2.

2.2. REFERENCES

[1] – Commission ~~Decision~~ Regulation of ~~25 January 2012~~xx xx xxxx on the technical specification for interoperability relating to control-command and signalling subsystems of the trans-European rail system (~~2012/88/EU~~xxx)[1].
~~[2] – Commission Decision notified under document C(2014) 9909 amending Decision 2012/88/EU on the technical specification for interoperability relating to control-command and signalling subsystems of the trans-European rail system~~

---

[1] *OJ L ~~51, 23.2.2012, p.1~~xxx*

3. CLASS B SYSTEMS ALLOWED IN CASE OF RENEWAL OR UPGRADE

3.1. USE OF THIS DOCUMENT

This is a technical document prepared by the European Railway Agency on the basis of information received from Member States, Norway and Switzerland, and in accordance with the provisions of [1].~~, as amended by [2]~~

3.2. LIST OF CLASS B SYSTEMS

Member State	Name of the legacy system[2]	scope	Version identification	Date of latest authorisation to placing into service
Austria	INDUSI/PZB LZB	Whole network Whole network		
Belgium	Crocodile TBL 1 TBL 2 TVM 430 TBL1+	Whole network Whole network Whole network Whole network Off-TEN only		
Bulgaria	EBICAB 700	Whole network		
Croatia	INDUSI/PZB	Whole network		
Czech Republic	LS	Whole network		
Denmark	ZUB 123	Whole network	SW02A (version 1.37 edition 04)	02.02.2004
Estonia	ALSN	Whole network		
Finland	ATP-VR/RHK	Whole network		
France	Crocodile KVB TVM 300 TVM 430 KVBP KCVP KCVB NEXTEO DAAT	Whole network Whole network Whole network Whole network Off-TEN only Off-TEN only Off-TEN only (sub)urban area of Paris Off-TEN only		NEXTEO is in advanced stage of development on RER E
Germany	INDUSI/PZB LZB	Whole network Whole network		
Hungary	EVM	Whole network		

---

[2] *The fact that two or more Member States use the same system does not imply that they are compatible: the versions shall be taken into account.*

Member State	Name of the legacy system[2]	scope	Version identification	Date of latest authorisation to placing into service
Ireland	CAWS ATP	Whole network Whole network		
Italy	BACC RSDD/SCMT SSC	Whole network Whole network Off-TEN only		
Latvia	ALSN	Whole network		
Lithuania	ALSN	Whole network		
Luxembourg	MEMOR II+	Whole network		
Norway[3]	EBICAB 700	Whole network		
Poland	SHP PKP radio system with Radiostop function	Whole network Whole network		
Portugal	EBICAB 700	Whole network		
Romania	Indusi	Whole network		
Slovenia	Indusi/PZB	Whole network		
Slovak Republic	LS	Whole network		
Spain	ASFA EBICAB 900 LZB SELCAB	Whole network Whole network Whole network Whole network		
Sweden	EBICAB 700	Whole network		
Switzerland[4]	EuroSIGNUM EuroZUB	Whole network Whole network		
The Netherlands	ATB First generation ATB new generation	Whole network Whole network		
UK	GW ATP RETB TPWS TVM 430 Chiltern-ATP Mechanical Trainstops KVB	TEN only TEN only Whole network TEN only Off-TEN only Off-TEN only TEN only		

[3] *For information*

[4] *For information*