

Moving Europe towards a sustainable and  
safe railway system without frontiers

## ESC/RSC technical document

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### Document History

<i>Version</i>	<i>Date</i>	<i>Comments</i>
1.0	30/01/2020	First version for publication
2.0	09/03/2020	Update following received inputs. Values for ESC FR, IT and for RSC ES.
3.0	30/03/2020	Update of RSC for NL
4.0	29/05/2020	Updated values for ESC/RSC SE. Reserved values for RSC UK, RSC IT.
4.1	02/06/2020	Included "Valid" Status for ESC-SE-04-HiL2B3
5.0	19/06/2020	Update of ESC NL and RSC FR
5.1	24/06/2020	Included information for RSC voice in the Figueras-Perpignan line as part of the Adif GSM-R network
5.2	06/07/2020	Updated values for ESC/RSC NO.
5.3	12/08/2020	Updated values for ESC AT,FR,IT and RSC ES,SK,IT
6.0	02/09/2020	Update of ESC BE,IT
7.0	20/11/2020	Update of ESC PL
8.0	22/01/2021	Update of ESC IT RFI Update of ESC FR OC'VIA Update of RSC SNCF-R
9.0	26/02/2021	Update of ESC & RSC voice BE Infrabel Update of ESC DK Banedanmark

		General clarification of the status values “valid” and “reserved” and reorganisation of the RSC-EU-0 values to have a clear separation between the “valid” ones and the “reserved” ones.
10.0	30/03/2021	Update of ESC AT OEBB Infra
11.0	13/07/2021	Update of ESC FR for BPL, SEA and SNCF-R Update of RSC FR for SEA Update of ESC IT for RFI Update ESC/RSC PL for PKP Update of ESC CZ for SZDC Update of ESC/RSC RO for CFR Update of RSC ES for ADIF
12.0	11/10/2021	Update for ESC-DE-01 and 02 as “valid”. ESC-DE-03 as “reserved”. Update for ESC-LU and ESC-FRES as “reserved”.
13.0	12/11/2021	RSC PL update for PKP ESC SE update for Trafikverket
14.0	17/02/2022	Corrected typo in ESC-LU-01 ESC-NO-02 as “valid” Update of RSC for ES, including new RSC-Data types Update of ESC for BE
15.0	17/03/2022	Update of ESC IT for RFI.
16.0	31/03/2022	Draft ESC ES for ADIF. Update of RSC ES correcting the value for two lines.
17.0	11/04/2022	RSC DE for DB Netz ESC DE for DB Netz RSC GR for OSE net ESC GR for OSE net
18.0	31/05/2022	RSC LU for CFL
19.0	01/07/2022	Update of ESC BE for Infrabel
20.0	26/07/2022	Update of ESC/RSC for Switzerland
21.0	20/10/2022	Update of ESC for Denmark Correction of RSC data typo for ES ESC-LU-01-RFN and ESC-LU-02-MSM as “valid”
22.0	20/12/2022	RSC-EU-0 for BDK Updated links to ESC/RSC documents
23.0	14/02/2023	Update of ESC IT for RFI
24.0	01/03/2023	Update of ESC BE for Infrabel
25.0	16/05/2023	Update of ESC AT for OEBB Included RSC voice PT Updated of RSC data for ES

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## 1. Introduction

This is a technical document prepared by the European Union Agency for Railways with the sets of checks for “ESC/RSC types” based on information received from Infrastructure Managers in accordance with the provisions 6.1.2.3 and 6.1.2.4 of Annex A of the CCS TSI [1].

## 2. Abbreviations, ACRONYMS and References

### 2.1. Abbreviations and acronyms

CCS	Control Command and Signalling
ERATV	European Register of Authorised Types of Vehicles
ESC	ETCS System Compatibility
RINF	Register of infrastructure
RSC	Radio System Compatibility

### 2.2. References

[1] – Commission Regulation (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to control-command and signalling subsystems of the rail system in the European Union<sup>1</sup> and its amendments<sup>2</sup>.

## 3. ESC/RSC checks

### 3.1. Use of this document

Infrastructure Managers, with the support of the ETCS and/or GSM-R suppliers for their networks, shall submit to the Agency the definition of the necessary checks (as defined in CCS TSI [1] section 4.2.17) on their network by 16 January 2020 at the latest.

For submitting the ESC-RSC, please send it to us by e-mail: [esc-rsc@era.europa.eu](mailto:esc-rsc@era.europa.eu).

After an IM notifies ERA of an ESC/RSC Type, the Agency should make sure that the information received is correct and complete, in which case the Agency will assign a unique identifier to each ESC/RSC type which will be communicated to the Infrastructure Manager. The Agency will provide an interim updated version of the technical document containing all the ESC/RSC checks submitted up to that moment (pending further revision) notifying the IM within 5 Agency’s working days. These values will be in status “reserved” until the complete revision by the Agency.

Only the ESC/RSC identifiers with “valid” status shall be considered as “published” to fulfil the CCS TSI requirements (e.g. Table 6.3 and Table 7.1).

<sup>1</sup> OJ L158, 15.6.2016, p.1.

<sup>2</sup> At the time of publishing this document, the latest amendment is Commission Implementing Regulation (EU) 2020/387 of 10 March 2020 (OJ L73, 10.3.2020, p. 6.)

The format of the identifiers will be:

<ESC or RSC>-<Member State code or EU for more than one Member States codes>-<00 two digits sequential numbering>-<In case of RSC V for voice and/or D for data>-<Specific coding provided by the IM>. As example: ESC-FR-01-AA.

The Agency will proceed to publish regularly updates of the document at the Agency website and to inform the relevant working parties, to allow the sector (especially the VA applicants) to plan their activities accordingly. The new version published will include all the ESC/RSC Types notified and checked by ERA until the publication date.

The corresponding identifiers will be also included in the predefined list of values to be selected in RINF and ERATV. The IM will be informed when this is available

Infrastructure Managers shall classify the lines according to ESC/RSC types in RINF, using the provided identifier.

ERATV users shall also include the ESC/RSC types that have been checked for the vehicles, using the identifiers in the technical document.

Infrastructure Managers shall submit to the Agency any changes on the referred checks for their networks, by using the same email ([esc-rsc@era.europa.eu](mailto:esc-rsc@era.europa.eu)) and making reference to the modified ESC/RSC type.

The latest version of the files with the definition of the checks corresponding to each ESC and RSC types submitted by each Infrastructure Manager can be found in the Agency webpage under the section ERTMS:

- ETCS System Compatibility: [ETCS System Compatibility \(ESC\) documents | European Union Agency for Railways \(europa.eu\)](#)
  
- Radio System Compatibility: [Radio System Compatibility \(RSC\) voice and data documents | European Union Agency for Railways \(europa.eu\)](#)

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#### 4. ESC checks table

The following table includes the defined identifiers for ESC.

Status indicates if the identifier is “reserved”, “valid” or it has been “cancelled” by the IM.

Reserved values that the ESC identifier has been assigned but the content of the ESC is still under revision.

Only the ESC identifier with “valid” status shall be considered as “published” to fulfil the CCS TSI requirements (e.g. Table 6.3 and Table 7.1).

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
Not applicable	All Union	When ETCS is not installed or not authorised.	16/01/2020	Valid	Only to be used in ERATV
Not defined	All Union	No ESC submitted	16/01/2020	Valid	Only to be used in RINF
ESC-NP-CCS7.4a	Each Member State of the Union	Technical compatibility demonstrated according to CCS TSI Section 7.4a or National Procedure. Reference to the National Procedure to be recorded as non-coded restriction.	16/01/2020	Valid	Only to be used in ERATV
ESC-EU-0	<i>Greece/OSE net</i>	No ESC needed to be performed to demonstrate technical compatibility. Subsystem certificates are sufficient.	16/01/2020	Valid	
ESC-AT-01	Austria/OEBB	50.02.05 Leitfaden Betriebsführung ETCS v4c Anhang 1 zum Leitfaden Betriebsführung ETCS LF 50.02.05 (v03) Anhang 2 zum Leitfaden Betriebsführung ETCS LF 50.02.05 (v03)	06/02/2023	Valid	

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-BE-01-L1FS	Belgium / Infrabel	PSI (TC,ETCSsys,z) ESC TST PLN 1.6E PSI (TC,ETCSsys.L1FS,z) ESC TST DSC 1.5 E PSI (TC,ETCSsys,z) ESC TST DSC 2.1 E PSI (TC,ETCSsys,z) BORDER ESC TST DSC 1.3 E PSI (TC,ETCSsys,z) Borders ESC TST DSC D 1.1 E PSI (TC,ETCSsys,z) Borders ESC TST DSC FR 1.1 E PSI (TC,ETCSsys,z) Borders ESC TST DSC L 1.1 E	20/02/2023	Valid	ETCS level 1 Full Supervision
ESC-BE-02-L2FS	Belgium / Infrabel	PSI (TC,ETCSsys,z) ESC TST PLN 1.6 E PSI (TC,ETCSsys.L2,z) ESC TST DSC 1.2E PSI (TC,ETCSsys,z) ESC TST DSC 1.2 E PSI (TC,ETCSsys,z) BORDER ESC TST DSC 1.3 E PSI (TC,ETCSsys,z) Borders ESC TST DSC NL 1.1 E	20/02/2023	Valid	ETCS level 2 Full Supervision conventional network
ESC-BE-03-L1LS	Belgium / Infrabel	PSI (TC,ETCSsys,z) ESC TST PLN 1.6 E PSI (TP,ETCSsys.L1LS,z) ESC TST DSC 1.4E PSI (TC,ETCSsys,z) ESC TST DSC 1.2 E PSI (TC,ETCSsys,z) BORDER ESC TST DSC 1.3 E PSI (TC,ETCSsys,z) Borders ESC TST DSC FR 1.1 E PSI (TC,ETCSsys,z) Borders ESC TST DSC NL 1.1 E	20/02/2023	Valid	ETCS level 1 Limited Supervision
ESC-BE-04-LGV3_4	Belgium / Infrabel	PSI (TC,ETCSsys,z) ESC TST PLN 1.6 E PSI (TC,ETCSsys.L2HSL,z) ESC TST DSC 1.2 E PSI (TC,ETCSsys,z) ESC TST DSC 1.2 E PSI (TC,ETCSsys,z) BORDER ESC TST DSC 1.3 E PSI (TC,ETCSsys,z) Borders ESC TST DSC NL 1.1 E	20/02/2023	Valid	High speed lines

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-CZ-01	Czech Republic / SŽDC	Letter 48510/2020- SŽ-GR-O14 SŽ PPD-2/2018 as amended by Change No. 1	28/04/2021	Valid	Kolín (inclusive) – Česká Třebová – Adamov (inclusive), Modřice (exclusive) – Břeclav – state border with Austria/Slovakia
ESC-CZ-02	Czech Republic / SŽDC	Letter 48510/2020- SŽ-GR-O14 SŽ PPD-2/2018 as amended by Change No. 1	28/04/2021	Valid	Petrovice u Karviné – Břeclav, Česká Třebová (exclusive) – Přerov, Český Brod – Praha-Malešice – Praha-Uhřetěves
ESC-DK-01-East	Denmark / Banedanmark	ETCS System Compatibility Process ( SPOP-1442693290) v4.0 ESC - ERTMS L2 - Generic Operational Test Cases Data Sheets (SP-EMO-P2-002008) V3.4	17/08/2022	Valid	
ESC-DK-02-West	Denmark / Banedanmark	ETCS System Compatibility Process ( SPOP-1442693290) v4.0 ESC - ERTMS L2 - Generic Operational Test Cases Data Sheets (SP-EMO-P2-002008) V3.4	17/08/2022	Valid	
ESC-FR-01-LB	France / SNCF Réseau / OC'VIA	SNCF Réseau document : 203T055-RaiC Ed 2.0 Liste ESC OC'VIA document : CNM-OCVIA-000001 – C	18/05/2021	Valid	Generic ETCS L1 ESC type is applicable for SNCF Réseau and OC'VIA
ESC-FR-02-LB	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Bettembourg(LU)-Zoufftgen. Only the execution of the transition is part of ESC check
ESC-FR-03-LB	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Rodange(LU)-Mont St Martin. Only the execution of the transition is part of ESC check



ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-FR-04-LB	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Aubange(BE)-Mont St Martin. Only the execution of the transition is part of ESC check
ESC-FR-05-LB	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Kehl(DE)-Strasbourg Port du Rhin. Only the execution of the transition is part of ESC check
ESC-FR-06-LB	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section St Johann(CH)—St Louis. Only the execution of the transition is part of ESC check
ESC-FR-07-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Mouscron-Toucoing(B). Only the execution of the transition is part of ESC check
ESC-FR-08-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Froyennes-Baisieux(B). Only the execution of the transition is part of ESC check
ESC-FR-09-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Quévy-Hautmont(B). Only the execution of the transition is part of ESC check
ESC-FR-10-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Erquellines-Jeumont(B). Only the execution of the transition is part of ESC check
ESC-FR-11-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Perl-Apach(DE). Only the execution of the transition is part of ESC check

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ESC-FR-12-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Saarbrücken Hbf-Forbach(DE). Only the execution of the transition is part of ESC check
ESC-FR-13-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Kehl-Strasbourg-Neudorf(DE). Only the execution of the transition is part of ESC check
ESC-FR-14-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Neuenburg Bad-Bantzenheim(DE). Only the execution of the transition is part of ESC check
ESC-FR-15-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Basel-St Louis(CH). Only the execution of the transition is part of ESC check
ESC-FR-16-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Boncourt-Delle(CH). Only the execution of the transition is part of ESC check
ESC-FR-17-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Les Verrières-Pontarlier(CH). Only the execution of the transition is part of ESC check
ESC-FR-18-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Vallorbe-Les Longevilles Rochejan(CH). Only the execution of the transition is part of ESC check
ESC-FR-19-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section La Plaine-Longeray-Léaz(CH). Only the execution of the transition is part of ESC check

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ESC-FR-20-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section Genève Eaux Vives-Annemasse(CH). Only the execution of the transition is part of ESC check
ESC-FR-21-SF	France / SNCF Réseau	203T055-RaiC Ed 2.0 Liste ESC	23/06/2020	Valid	Border section TP ferro(ES). Only the execution of the transition is part of ESC check
ESC-FR-22-LB	France / SNCF Réseau / OC'VIA	SNCF Réseau document : 203T055-RaiC Ed 2.0 Liste ESC OC'VIA document : CNM-OCVIA-000001 – C	18/05/2021	Valid	Transition to/from KVB ESC type is applicable for SNCF Réseau and OC'VIA
ESC-FR-23-LB	France / SNCF Réseau / OC'VIA	SNCF Réseau document : 203T055-RaiC Ed 2.0 Liste ESC OC'VIA document : CNM-OCVIA-000001 – C	18/05/2021	Valid	Transition to/from TVM430 ESC type is applicable for SNCF Réseau and OC'VIA
ESC-FR-24-AA	France / EIFFAGE	ERE-D-QSE2-N61-E	07/04/2021	Valid	Generic ETCS L1
ESC-FR-25-AD	France / EIFFAGE	ERE-D-QSE2-N61-E	07/04/2021	Valid	Transition to/from KVB
ESC-FR-26-AE	France / EIFFAGE	ERE-D-QSE2-N61-E	07/04/2021	Valid	Transition to/from TVM430
ESC-FR-27-LGVEE	France / SNCF Réseau / LISEA / EIFFAGE	SNCF Réseau document : 20-3T017-PEEE-liste_ESC_LGVEE_V4 LISEA document : INS-LIDOP-RS2802-A1 EIFFAGE document : ERE-D-QSE2-N60-B	09/07/2021	Valid	Generic ETCS L2 ESC type is applicable for SNCF Réseau, SEA and BPL lines (type named ESC-FR-01-LGVEE in previous versions of this document)
ESC-FR-28-LGVEE	France / SNCF Réseau	20-3T017-PEEE liste ESC LGVEE	02/07/2020	Valid	Transition KVB -> ETCS L2 on HSL EE (type named ESC-FR-02-LGVEE in previous versions of this document)
ESC-FR-29-LGVEE	France / SNCF Réseau	20-3T017-PEEE liste ESC LGVEE	02/07/2020	Valid	Transition ETCS L2 -> KVB on HSL EE (type named ESC-FR-03-LGVEE in previous versions of this document)

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-FR-30-LGVEE	France / SNCF Réseau	20-3T017-PEEE liste ESC LGVEE	02/07/2020	Valid	Transition ETCS L2 -> KVB on HSL EE (at Vaires) (type named ESC-FR-04-LGVEE in previous versions of this document)
ESC-FR-31-LGVEE	France / SNCF Réseau	20-3T017-PEEE liste ESC LGVEE	02/07/2020	Valid	Transition ETCS L2 <-> TVM on HSL EE (type named ESC-FR-05-LGVEE in previous versions of this document)
ESC-FR-32-LGVEE	France / SNCF Réseau	20-3T017-PEEE liste ESC LGVEE	02/07/2020	Valid	Transition ETCS L1 <-> ETCS L2 on HSL EE (type named ESC-FR-06-LGVEE in previous versions of this document)
ESC-FR-33-SEA	France / LISEA	INS-LIDOP-RS2802-A1	18/05/2021	Valid	Transition KVB <-> ETCS L2
ESC-FR-34-SEA	France / LISEA	INS-LIDOP-RS2802-A1	18/05/2021	Valid	Transition TVM <-> ETCS L2
ESC-FR-35-BPL	France / EIFFAGE	ERE-D-QSE2-N60-B	18/05/2021	Valid	Transition KVB <-> ETCS L2
ESC-FR-36-BPL	France / EIFFAGE	ERE-D-QSE2-N60-B	18/05/2021	Valid	Transition TVM <-> ETCS L2
ESC-FRES-01	France – Spain / LFP Perthus	Section 7.7.3 of SFE-SCE 01.05.01.00.00 V-02 EXE.pdf		Reserved	
ESC-DE-01-B2_L2	Germany / DB Netz	ESC-Tests_ETCS_L2_v1.2_20220404  Anlage 1 Testfallbeschreibungen ESC-DE-01-B2-L2.zip	04/04/2022	Valid	Currently is valid for the following track sections: a) 5919: section Leipzig Messe - Breitengüßbach 6340: section Halle Hbf - Halle Ammendorf 6394: section Halle Ammendorf - Halle Planena b) 6340: section Erfurt Hbf - Eisenach c) 6291: section Erfurt Hbf - Neudietendorf

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-DE-02-B3_L2	Germany / DB Netz	ESC-Tests_ETCS_L2_v1.2_20220404  Anlage 2 Testfallbeschreibungen ESC-DE-02-B3-L2.zip	04/04/2022	Valid	Currently is valid for the following track sections: d) 6135: section Neuohof (bei Zossen) - Rückersdorf e) 4813: section Ulm Hbf - Wendlingen Rübholz 4615: section Wendlingen Rübholz - Wendlingen f) 3601: section Darmstadt Süd - Laudenbach (Bergstr)
ESC-DE-03-B3_L1LS	Germany / DB Netz			Reserved	
ESC-IT-01-RFI-1.0_L2_AVp_RMNA_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Roma-Napoli line
ESC-IT-02-RFI-1.0_L2_AVp_MIBO_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Milano-Bologna line
ESC-IT-03-RFI-1.0_L2_AVp_BOFI_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Bologna-Firenze line
ESC-IT-04-RFI-1.0_L2_AVp_TOMI_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Torino-Milano line
ESC-IT-05-RFI-1.0_L2_AVp_TRBR_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Treviglio-Brescia line
ESC-IT-06-RFI-1.0_L2_AVp_DD_01	Italy / RFI	RFI DTC PNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Firenze-Roma "Direttissima (DD)" line

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-IT-07-RFI-2.0_L1-Cs_ISD O_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Cross border service Italy-Switzerland ( including transit in Domodossola station)
ESC-IT-08-RFI-2.1_L1-Cs_DO NO_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Domodossola-Novara line
ESC-IT-09-RFI-2.0_L1-Cs_CHI ASSO_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Transition in the station of Chiasso / Monte Olimpino 1 and Monte Olimpino 2
ESC-IT-10-RFI-2.1_L2-Cs_NO PD_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	First phase of Novara-Padova line from Novara to Rho
ESC-IT-11-RFI-2.0_L1-Cs_PTL U_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Cross border service Italy-Switzerland ( including transit in Luino station)
ESC-IT-12-RFI-2.0_L1-Cs_ISD O_CH_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	cross-border shuttle service from Switzerland to Domodossola station
ESC-IT-13-RFI-2.0_L1-Cs_PTL U_CH_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	cross-border shuttle service from Switzerland to Luino station
ESC-IT-14-RFI_2.1_L1-Cs_VENTIMIGLIA_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Cross border service Italy-France ( including transit in Vintimiglia station)
ESC-IT-15-RFI_2.1_L1-Cs_VENTIMIGLIA_FR_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	cross-border shuttle service from France to Vintimiglia station

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-IT-16-RFI_2.1_L1_Cs_VIVO_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Vicenza Trieste/Villa Opicina
ESC-IT-17-RFI_2.1_L2_Cs_MIMOCCH_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Milano-Monza Chiasso
ESC-IT-18-RFI_2.1_L2_Cs_NOPD_02	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	Second phase of the Novara – Padova project including the extension from Brescia to Padova
ESC-IT-19-RFI_1.0_L2_AVp_AGGR01_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	This type covers: ESC-IT-01-RFI- 1.0_L2_AVp_RMNA_01, ESC-IT-03-RFI- 1.0_L2_AVp_BOFI_01
ESC-IT-20-RFI_1.0_L2_AVp_AGGR02_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	This type covers: ESC-IT-04-RFI- 1.0_L2_AVp_TOMI_01, ESC-IT-05-RFI- 1.0_L2_AVp_TRBR_01, ESC-IT-06-RFI- 1.0_L2_AVp_DD_01
ESC-IT-21-RFI_2.0_L1_Cs_AGGR03_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	This type covers: ESC-IT-07-RFI- 2.0_L1_Cs_ISDO_01, ESC-IT-11-RFI- 2.0_L1_Cs_PTLU_01, ESC-IT-09-RFI- 2.0_L1_Cs_CHIASSO_01, ESC-IT-12-RFI- 2.0_L1_Cs_ISDO_CH_01, ESC-IT-13-RFI- 2.0_L1_Cs_PTLU_CH_01, ESC-IT-14-RFI- RFI_2.1_L1_Cs_VENTIMIGLIA_01

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-IT-22-RFI_1.0_L1_Cs_AGGR04_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Cancelled	This type covers: ESC-IT-12-RFI-2.0_L1_Cs_ISDO_CH_01, ESC-IT-13-RFI-2.0_L1_Cs_PTLU_CH_01
ESC-IT-23-RFI_2.1_L1_Cs_AGGR05_01	Italy / RFI	RFI DTCPNE ST AV 03 001 1 F + Allegato 1 Allegato 2 Allegato 3	09/02/2023	Valid	This type covers: ESC-IT-08-RFI-2.1_L1_Cs_DONO_01, ESC-IT-16-RFI_2.1_L1_Cs_VIVO_01
ESC-LU-01-RFN	Luxembourg / CFL	Section 23.4 in GI_II_STC-VF (e09).pdf	10/06/2022	Valid	
ESC-LU-02-MSM	Luxembourg / CFL	Section 23.4 in GI_II_STC-VF (e09).pdf	10/06/2022	Valid	Rodange – Mont-Saint-Martin
ESC-NO-01	Norway / Bane NOR <sup>3</sup>	ERTMS Programme Norwegian ETCS System Compatibility Test Specification ERP-00-Q-00054_01E_004.pdf	30/06/2020	Valid	For the Østfoldbanens Østre pilot line B2 L2.
ESC-NO-02	Norway / Bane NOR <sup>3</sup>	ERTMS Programme Norwegian ETCS System Compatibility Test Specification for Stage 1 Lines 2000004807_001_003.pdf	03/02/2022	Valid	For the B3 L2 Stage 1 lines.
ESC-PL-01-L1	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 1 ESC-PL-01-L1 v1.1	22/06/2021	Valid	L1
ESC-PL-02-L1LS	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 1 Limited Supervision ESC-PL-02-L1LS v1.1	22/06/2021	Valid	L1LS
ESC-PL-03-L2	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 2 ESC-PL-03-L2 v1.1	22/06/2021	Valid	level 2 used on section E30 Legnica – Węgliniec
ESC-PL-04-L2	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 2 ESC-PL-04-L2 v1.1	22/06/2021	Valid	level 2 used on section E30 Legnica – Opole

<sup>3</sup> For Information only.



ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-PL-05-L2	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 2 ESC-PL-05-L2 v1.0	22/06/2021	Valid	line E65, section Warszawa Praga Transit – Prabuty (Prabuty – Susz route)
ESC-PL-06-L2	Poland / PKP PLK	Definicja i zakres testów ESC dla systemu ERTMS/ETCS poziom 2 ESC-PL-06-L2 v1.0	22/06/2021	Valid	line E65, Prabuty – Gdynia Chylonia
ESC-RO-01	Romania / CFR	Letter 1/246/20.01.2020 from CFR on definitions of the checks and annexes	20/01/2020	Valid	
ESC-SK-01-L1	Slovakia/ŽSR	SCENARIOS for ETCS L1		Reserved	
ESC-SK-01-L2	Slovakia/ŽSR	Testy kompatibility ETCS L2 platné v podmienkach ŽSR		Reserved	Žilina (mimo) – Čadca - št. hranica SK/CZ
ESC-ES-111	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Hitachi – L1 – Lines 050, 052, 054, 056, 060, 068.
ESC-ES-122	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Hitachi – L2 – Lines 046, 048.
ESC-ES-211	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Lines 050, 066.
ESC-ES-221	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Line 050.
ESC-ES-231	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Lines 080, 072, 076.
ESC-ES-232	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L2 – Line 080.
ESC-ES-241	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Line 082.
ESC-ES-251	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Lines 920, 500, 300.
ESC-ES-261	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L1 – Line 982.
ESC-ES-262	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Thales – L2 – Lines 982, 890.
ESC-ES-311	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Siemens – L1 – Lines 030, 032, 014, 036.

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-ES-312	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Siemens – L2 – Lines 030, 032.
ESC-ES-321	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Siemens – L1 – Lines 024, 040, 042, 318, 338.
ESC-ES-332	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Siemens – L2 – Line 036.
ESC-ES-341	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Siemens – L1 – Lines 102, 104.
ESC-ES-412	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Alstom – L2 – Line 042.
ESC-ES-422	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	Alstom – L2 – Lines 080, 084, 158, 180, 186.
ESC-ES-511	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	CAF – L1 – Line 640.
ESC-ES-521	Spain / ADIF	20210323_GAPI-1949_ESC checks eng_v2.1.pdf and annexes		Reserved	CAF – L1 – Line 600.
ESC-SE-01-HiL2	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF - March 2021  ERTMS19-0593 SE Trackside – Generic OBU Compatibility v2.4.3  Appendix A to ERTMS19-0593 Test record TBD OBU VS. TBD TRACKSIDE according to Swedish trackside – Generic OBU compatibility test specification v3.0	15/02/2021	Valid	

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-SE-02-BoL2	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF - March 2021  ERTMS19-0593 SE Trackside – Generic OBU Compatibility v2.4.3  Appendix A to ERTMS19-0593 Test record TBD OBU VS. TBD TRACKSIDE according to Swedish trackside – Generic OBU compatibility test specification v3.0	15/02/2021	Valid	
ESC-SE-03-L3	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF - March 2021 ERTMS19-0593 SE Trackside – Generic OBU Compatibility v2.4.3  Appendix A to ERTMS19-0593 Test record TBD OBU VS. TBD TRACKSIDE according to Swedish trackside – Generic OBU compatibility test specification v3.0	15/02/2021	Valid	
ESC-SE-04-HiL2B3	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF - March 2021  ERTMS19-0593 SE Trackside – Generic OBU Compatibility v2.4.3  Appendix A to ERTMS19-0593 Test record TBD OBU VS. TBD TRACKSIDE according to Swedish trackside – Generic OBU compatibility test specification v3.0	15/02/2021	Valid	

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-SE-05-BoL2B3	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF - March 2021  ERTMS19-0593 SE Trackside – Generic OBU Compatibility v2.4.3  Appendix A to ERTMS19-0593 Test record TBD OBU VS. TBD TRACKSIDE according to Swedish trackside – Generic OBU compatibility test specification v3.0	15/02/2021	Valid	
ESC-CH-01-L1LS	Switzerland / SBB	Sections §9.3.1, §9.3.2.1 and §9.3.2.2 of 20_SF_ETCS_CH_RAMSiNa_Konzept_V3.1	26/07/2022	Valid <sup>4</sup>	Exceptional cases for BL3 vehicles which e.g. only run on border operating routes/lines.
ESC-CH-02-L2	Switzerland / SBB	Sections §9.3.1, §9.3.2.1 and §9.3.2.2 of 20_SF_ETCS_CH_RAMSiNa_Konzept_V3.1	26/07/2022	Valid <sup>4</sup>	For BL2 vehicles
ESC-CH-03-L1LSL2	Switzerland / SBB	Sections §9.3.1, §9.3.2.1 and §9.3.2.2 of 20_SF_ETCS_CH_RAMSiNa_Konzept_V3.1	26/07/2022	Valid <sup>4</sup>	Nominal case for BL3 equipped vehicles
ESC-NL-01	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Betuweroute connections (Meteren / Elst)
ESC-NL-02	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Betuweroute connections (Zevenaar)
ESC-NL-03	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Hanzelijn connections
ESC-NL-04	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Hanzelijn overlay Level 2
ESC-NL-05	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track HSL-South connections

<sup>4</sup> Disclaimer : As the description and content of the test protocols have not been communicated to the Agency for all ESC checks, the status of the ESC types as "valid" only applies for the checks that do not export any constraint to a TSI compliant ETCS on-board.

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-NL-06	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Amsterdam-Utrecht connections
ESC-NL-07	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track Amsterdam-Utrecht overlay Level 2
ESC-NL-08	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track border Germany
ESC-NL-09	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	Class B track border Belgium
ESC-NL-10	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Havenspoorlijn – Kijfhoek
ESC-NL-11	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Havenspoorlijn – Kijfhoek transition from/to ATB
ESC-NL-12	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Kijfhoek – BetuweRoute transition Level 1 from/to Level 2
ESC-NL-13	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track BetuweRoute – Zevenaar Oost
ESC-NL-14	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track BetuweRoute – Zevenaar Oost transition Meteren and Elst
ESC-NL-15	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track BetuweRoute – Zevenaar Oost transition Zevenaar
ESC-NL-16	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Zevenaar Oost – border Germany
ESC-NL-17	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Hanzelijn
ESC-NL-18	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Hanzelijn transitions Level 2
ESC-NL-19	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track HSL-South
ESC-NL-20	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track HSL-South transitions

ESC Identifier	Member State / Infrastructure Manager	Document	Date of latest update	Status	Notes
ESC-NL-21	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track HSL-South border Belgium
ESC-NL-22	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Amsterdam – Utrecht
ESC-NL-23	The Netherlands / ProRail	RLN00445 V001	14/05/2020	Valid	ERTMS track Amsterdam – Utrecht transitions Level 2
ESC-UK-01-NR1	United Kingdom / Network Rail <sup>5</sup>	GB ESC Checks Part 2 Cambrian		Reserved	
ESC-UK-02-NR2	United Kingdom / Network Rail <sup>5</sup>	GB ESC Checks Part 3 Watton-at-Stone v1-0		Reserved	
ESC-UK-03-NR3	United Kingdom / Network Rail <sup>5</sup>	GB ESC Checks Part 4 Thameslink		Reserved	
ESC-UK-04-NR4	United Kingdom / Network Rail <sup>5</sup>	GB ESC Checks Part 5 Great Western 0-12		Reserved	
ESC-UK-05-NR5	United Kingdom / Network Rail <sup>5</sup>	GB ESC Checks Part 6 Future Roll Out		Reserved	

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<sup>5</sup> For information only

## 5. RSC voice checks table

The following table includes the defined identifiers for RSC voice.

Status indicates if the identifier is “reserved”, “valid” or it has been “cancelled” by the IM.

Reserved values indicate that the RSC identifier has been assigned but the content of the RSC checks is still under revision.

Only the RSC voice identifier with “valid” status shall be considered as “published” to fulfil the CCS TSI requirements (e.g. Table 6.3 and Table 7.1).

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
Not applicable	All Union	When Radio is not installed or not authorised.	16/01/2020	Valid	Only to be used in ERATV
Not defined	All Union	No RSC submitted	16/01/2020	Valid	Only to be used in RINF
RSC-NP-CCS7.4a	Each Member State of the Union	Technical compatibility demonstrated according to CCS TSI Section 7.4a or National Procedure. Reference to the National Procedure to be recorded as non-coded restriction.	16/01/2020	Valid	Only to be used in ERATV
RSC-EU-0	Italy / RFI, Norway/ Bane NOR <sup>6</sup> , The Netherlands / ProRail, Slovakia / ŽSR, Poland / PKP PLK, Greece / OSE net, Denmark / Banedanmark  The values for Czech Republic / SŽDC is still reserved.	No RSC needed to be performed to demonstrate technical compatibility. Subsystem certificates are sufficient.	20/12/2022	Valid  Reserved	The values for Czech Republic / SŽDC is still reserved.
RSC-AT-01-V	Austria/ ÖBB Infrastruktur AG	RSC-AT Funk System Kompatibilität (Radio System Compatibility) V1.0	29/01/2021	Valid	
RSC-BE-01-V	Belgium / Infrabel	Cab Radio Technical Compatibility Checks ( RCOM-TS-INT-00373) V2.0	08/02/2021	Valid	
RSC-DE-01-V	Germany/ DB Netz	Radio System Compatibility Checks Testfall-Katalog v2.0	31/05/2021	Valid	

<sup>6</sup> For information only.

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
RSC-FR-01-V	France / SNCF Réseau/LISEA	SNCF Réseau document : Demonstration of RSC compatibility on SNCF network v4 LISEA document : INS-LIDOP-R2801-A0	08/12/2020	Valid	RSC type is applicable for SCNF Réseau and LISEA lines
RSC-LU-01-V	Luxemburg/CFL	CFL RSC 2020 version ERA v1.2 (s)	31/05/2021	Valid	
RSC-PL-01-V	Poland / PKP PLK		21/10/2021	Reserved	Request of PKP to change the status to "reserved" until GSM-R network is migrated to BSL1
RSC-PT-01-V	Portugal / IP	RSC-IP V1	27/01/2023	Valid	
RSC-PT-02-V	Portugal / IP	RSC-IP V1	27/01/2023	Valid	
RSC-RO-01-V	Romania / CFR	Letter 1/246/20.01.2020 from CFR on definitions of the checks and annexes	20/01/2020	Valid	
RSC-ES-01-V	Spain / ADIF			Cancelled	Replaced by RSC-ES-03 & RSC-ES-04
RSC-ES-02-V	Spain / ADIF			Cancelled	Replaced by RSC-ES-03 & RSC-ES-04
RSC-ES-03-V	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	
RSC-ES-04-V	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	Includes the line Figueras-Perpignan
RSC-ES-05-V	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	
RSC-SE-01-V	Sweden / Trafikverket	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF	07/05/2020	Valid	
RSC-CH-01-V	Switzerland / SBB	Section §9.3.2.3 of 20_SF_ETCS_CH_RAMSiNa_Konzept_V3.1	26/07/2022	Valid	Relevant for lines equipped with ETCS L1 LS or ETCS L2. Tests already executed at IC level do not need to be repeated
RSC-UK-01-V	United Kingdom / Network Rail <sup>7</sup>	GB NR RSC Checks v1.0.1		Reserved	

<sup>7</sup> For information only



## 6. RSC data checks table

The following table includes the defined identifiers for RSC data.

Status indicates if the identifier is “reserved”, “valid” or it has been “cancelled” by the IM.

Reserved values indicate that the RSC identifier has been assigned but the content of the RSC checks is still under revision.

Only the RSC data identifier with “valid” status shall be considered as “published” to fulfil the CCS TSI requirements (e.g. Table 6.3 and Table 7.1).

Some IM require that ESC checks are done with operational radio that implicitly checks RSC for ETCS data. They are indicated with (\*). Please refer to the definition in each ESC type.

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
Not applicable	All Union	When Radio is not installed or not authorised.	16/01/2020	Valid	Only to be used in ERATV
Not defined	All Union	No RSC submitted	16/01/2020	Valid	Only to be used in RINF
RSC-NP-CCS7.4a	Each Member State of the Union	Technical compatibility demonstrated according to CCS TSI Section 7.4a or National Procedure. Reference to the National Procedure to be recorded as non-coded restriction.	16/01/2020	Valid	Only to be used in ERATV

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
RSC-EU-0	Italy / RFI, Norway / Bane NOR* <sup>8</sup> , The Netherlands / ProRail, Slovakia / ŽSR, Belgium/ Infrabel*, Germany/ DB Netz*/ Greece / OSE net, Denmark/Banedanmark	No RSC needed to be performed to demonstrate technical compatibility. Subsystem certificates are sufficient.	30/03/2020	Valid	The values for Czech Republic / SŽDC and Romania / CFR are still reserved.
	The values for Czech Republic / SŽDC and Romania / CFR are still reserved.			Reserved	
RSC-AT-01-D	Austria/ ÖBB Infrastruktur AG	RSC-AT Funk System Kompatibilität (Radio System Compatibility) V1.0	29/01/2021	Valid	
RSC-FR-01-D	France / SNCF Réseau/LISEA	SNCF Réseau document : Demonstration of RSC compatibility on SNCF network v4 LISEA document : INS-LIDOP-R2801-A0	18/05/2021	Valid	RSC type is applicable for SNCF Réseau and LISEA lines
RSC-PL-01-D	Poland / PKP	Scenariusze testowe kompatybilności systemu radiowego GSM-R w części radiowa wymiana danych dla potrzeb ETCS 2 v2.1	21/10/2021	Valid	
RSC-ES-01-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03 & RSC-ES-04

<sup>8</sup> For information only.

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
RSC-ES-02-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03 & RSC-ES-04
RSC-ES-03.ALBALI -D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.ANTGRA-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.CHATO-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.BAFI-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.CORMAL-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.SPECIFIC-D
RSC-ES-03.SAGTOL-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.MADBCN-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03. SPECIFIC -D
RSC-ES-03.MADVLL-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03. SPECIFIC -D
RSC-ES-03.MONMUR-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.MOTVLCAL B-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.OLMPED-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.TORMOT-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.VALLEOBUR -D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-03.VILTAR-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-03.GENERAL-D
RSC-ES-04.LAXAVA-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-04.GENERAL-D
RSC-ES-04.ORESAN-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-04.GENERAL-D
RSC-ES-04.ARAVIL-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-04.GENERAL-D
RSC-ES-05.LEOPOL-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-05.GENERAL-D
RSC-ES-05.PEDORE-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-05.GENERAL-D
RSC-ES-05.PLACACBA D-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-05.GENERAL-D
RSC-ES-05.HOSMAT-D	Spain / ADIF			Cancelled	Replaced by RSC-ES-05.GENERAL-D
RSC-ES-03.GENERAL-D	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	
RSC-ES-03.SPECIFIC-D	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	

RSC Identifier	Member State	Document	Date of latest update	Status	Notes
RSC-ES-04.GENERAL-D	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	
RSC-ES-05.GENERAL-D	Spain / ADIF	RSC – ADIF_v7	03/05/2023	Valid	
RSC-SE-01-D	Sweden / Trafikverket *	TRV2019_131529 Checks required to demonstrate technical compatibility for Trafikverket ERTMS network, and classification of types in RINF	07/05/2020	Valid	
RSC-CH-01-D	Switzerland / SBB	Section §9.3.2.4 of 20_SF_ETCS_CH_RAMSiNa_Konzept_V3.1	26/07/2022	Valid	Due to the end-to-end specifications between end devices and ERTMS network in SUBSET-093, test results (O-2475) cannot be assigned to the end device alone. The execution, not the test results in detail, is to be considered for the RSC type to be considered as “Passed”. Tests already executed at IC level do not need to be repeated.