Council of the European Union

Brussels, 31 July 2014
(OR. en)

12333/14
ADD 1

TRANS 380

COVER NOTE

From:	Secretary-General of the European Commission, signed by Mr Jordi AYET PUIGARNAU, Director
To:	Mr Uwe CORSEPIUS, Secretary-General of the Council of the European Union
No. Cion doc.:	D033701/03 Annex 1
Subject:	ANNEX to the COMMISSION DECISION amending Commission Decision 2012/88/EU on the Technical Specification for Interoperability relating to the Control-Command and Signalling Subsystems of the trans-European Network

Delegations will find attached document D033701/03 Annex 1.

Encl.: D033701/03 Annex 1

EUROPEAN
COMMISSION

Brussels, XXX
[…](2014) XXX draft

ANNEX 1

ANNEX

to the

COMMISSION DECISION

amending Commission Decision 2012/88/EU on the Technical Specification for Interoperability relating to the Control-Command and Signalling Subsystems of the trans-European Network

EN

EN

ANNEX

to the

COMMISSION DECISION

amending Commission Decision 2012/88/EU on the Technical Specification for Interoperability relating to the Control-Command and Signalling Subsystems of the trans-European Network

The following line is deleted in Table A1:

'

4.2.1 b	28

'

The following line in Table A1 is modified as follows:

'

4.2.2.f	7, 81, 82

'

Table A2 is replaced by the following table and related notes:

'

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
1	ERA/ERTMS/003 204	ERTMS/ETCS Functional requirement specification	5.0		Intentionally deleted			
2	Intentionally deleted				Intentionally deleted			
3	SUBSET-023	Glossary of Terms and Abbreviations	2.0.0		SUBSET-023	Glossary of Terms and Abbreviations	3.1.0	
4	SUBSET-026	System Requirements Specification	2.3.0		SUBSET-026	System Requirements Specification	3.4.0	

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
5	SUBSET-027	FFFIS Juridical recorder-downloading tool	2.3.0	Note 1	SUBSET-027	FIS Juridical Recording	3.1.0	
6	SUBSET-033	FIS for man-machine interface	2.0.0		ERA_ERTMS_015560	ETCS Driver Machine interface	3.4.0	
7	SUBSET-034	FIS for the train interface	2.0.0		SUBSET-034	Train Interface FIS	3.1.0	
8	SUBSET-035	Specific Transmission Module FFFIS	2.1.1		SUBSET-035	Specific Transmission Module FFFIS	3.1.0	
9	SUBSET-036	FFFIS for Eurobalise	2.4.1		SUBSET-036	FFFIS for Eurobalise	3.0.0	
10	SUBSET-037	EuroRadio FIS	2.3.0		SUBSET-037	EuroRadio FIS	3.1.0	
11	SUBSET-038	Offline key management FIS	2.3.0		SUBSET-038	Offline key management FIS	3.0.0	
12	SUBSET-039	FIS for the RBC/RBC handover	2.3.0		SUBSET-039	FIS for the RBC/RBC handover	3.1.0	
13	SUBSET-040	Dimensioning and Engineering rules	2.3.0		SUBSET-040	Dimensioning and Engineering rules	3.3.0	
14	SUBSET-041	Performance Requirements for Interoperability	2.1.0		SUBSET-041	Performance Requirements for Interoperability	3.1.0	
15	SUBSET-108	Interoperability related consolidation on TSI Annex A documents	1.2.0		Intentionally deleted			
16	SUBSET-044	FFFIS for Euroloop	2.3.0		SUBSET-044	FFFIS for Euroloop	2.4.0	
17	Intentionally deleted				Intentionally deleted			
18	SUBSET-046	Radio infill FFFS	2.0.0		Intentionally deleted			
19	SUBSET-047	Trackside-Trainborne FIS for Radio infill	2.0.0		SUBSET-047	Trackside-Trainborne FIS for Radio infill	3.0.0	

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
20	SUBSET-048	Trainborne FFFIS for Radio infill	2.0.0		SUBSET-048	Trainborne FFFIS for Radio infill	3.0.0	
21	SUBSET-049	Radio infill FIS with LEU/interlocking	2.0.0		Intentionally deleted			
22	Intentionally deleted				Intentionally deleted			
23	SUBSET-054	Responsibilities and rules for the assignment of values to ETCS variables	2.1.0		SUBSET-054	Responsibilities and rules for the assignment of values to ETCS variables	3.0.0	
24	Intentionally deleted				Intentionally deleted			
25	SUBSET-056	STM FFFIS Safe time layer	2.2.0		SUBSET-056	STM FFFIS Safe time layer	3.0.0	
26	SUBSET-057	STM FFFIS Safe link layer	2.2.0		SUBSET-057	STM FFFIS Safe link layer	3.0.0	
27	SUBSET-091	Safety Requirements for the Technical Interoperability of ETCS in Levels 1 and 2	2.5.0		SUBSET-091	Safety Requirements for the Technical Interoperability of ETCS in Levels 1 and 2	3.3.0	
28	Intentionally deleted			Note 8	Intentionally deleted			Note 8
29	SUBSET-102	Test specification for interface "K"	1.0.0		SUBSET-102	Test specification for interface "K"	2.0.0	
30	Intentionally deleted				Intentionally deleted			
31	SUBSET-094	Functional requirements for an onboard reference test facility	2.0.2		SUBSET-094	Functional requirements for an onboard reference test facility	3.0.0	
32	EIRENE FRS	GSM-R Functional requirements specification	7.4.0	Note 10	EIRENE FRS	GSM-R Functional requirements specification	7.4.0	Note 10

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
33	EIRENE SRS	GSM-R System requirements specification	15.4.0	Note 10	EIRENE SRS	GSM-R System requirements specification	15.4.0	Note 10
34	A11T6001	(MORANE) Radio Transmission FFFIS for EuroRadio	12.4		A11T6001	(MORANE) Radio Transmission FFFIS for EuroRadio	12.4	
35	Intentionally deleted				Intentionally deleted			
36 a	Intentionally deleted				Intentionally deleted			
36 b	Intentionally deleted				Intentionally deleted			
36 c	SUBSET-074-2	FFFIS STM Test cases document	1.0.0		SUBSET-074-2	FFFIS STM Test cases document	3.0.0	
37 a	Intentionally deleted				Intentionally deleted			
37 b	SUBSET-076-5-2	Test cases related to features	2.3.3		SUBSET-076-5-2	Test cases related to features		Note 11
37 c	SUBSET-076-6-3	Test sequences	2.3.3		Reserved	Test sequences generation: methodology and rules		Note 11
37 d	SUBSET-076-7	Scope of the test specifications	1.0.2		SUBSET-076-7	Scope of the test specifications	3.0.0	
37 e	Intentionally deleted				Intentionally deleted			
38	06E068	ETCS Marker-board definition	2.0		06E068	ETCS Marker-board definition	2.0	
39	SUBSET-092-1	ERTMS EuroRadio Conformance Requirements	2.3.0		SUBSET-092-1	ERTMS EuroRadio Conformance Requirements	3.0.0	
40	SUBSET-092-2	ERTMS EuroRadio test cases safety layer	2.3.0		SUBSET-092-2	ERTMS EuroRadio test cases safety layer	3.0.0	

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
41	Intentionally deleted				Intentionally deleted			
42	Intentionally deleted				Intentionally deleted			
43	SUBSET 085	Test specification for Eurobalise FFFIS	2.2.2		SUBSET 085	Test specification for Eurobalise FFFIS	3.0.0	
44	Intentionally deleted				Intentionally deleted			Note 9
45	SUBSET-101	Interface "K" Specification	1.0.0		SUBSET-101	Interface "K" Specification	2.0.0	
46	SUBSET-100	Interface "G" Specification	1.0.1		SUBSET-100	Interface "G" Specification	2.0.0	
47	Intentionally deleted				Intentionally deleted			
48	Reserved	Test specification for mobile equipment GSM-R		Note 4	Reserved	Test specification for mobile equipment GSM-R		Note 4
49	SUBSET-059	Performance requirements for STM	2.1.1		SUBSET-059	Performance requirements for STM	3.0.0	
50	SUBSET-103	Test specification for Euroloop	1.0.0		SUBSET-103	Test specification for Euroloop	1.1.0	
51	Reserved	Ergonomic aspects of the DMI			Intentionally deleted			
52	SUBSET-058	FFFIS STM Application layer	2.1.1		SUBSET-058	FFFIS STM Application layer	3.1.0	
53	Intentionally deleted				Intentionally deleted			
54	Intentionally deleted				Intentionally deleted			
55	Intentionally deleted				Intentionally deleted			

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
56	Intentionally deleted				Intentionally deleted			
57	Intentionally deleted				Intentionally deleted			
58	Intentionally deleted				Intentionally deleted			
59	Intentionally deleted				Intentionally deleted			
60	Intentionally deleted				SUBSET-104	ETCS System Version Management	3.2.0	
61	Intentionally deleted				Intentionally deleted			
62	Reserved	RBC-RBC Test specification for safe communication interface			Intentionally deleted			
63	SUBSET-098	RBC-RBC Safe Communication Interface	1.0.0		SUBSET-098	RBC-RBC Safe Communication Interface	3.0.0	
64	EN 301 515	Global System for Mobile Communication (GSM); Requirements for GSM operation on railways	2.3.0	Note 2	EN 301 515	Global System for Mobile Communication (GSM); Requirements for GSM operation on railways	2.3.0	Note 2
65	TS 102 281	Detailed requirements for GSM operation on railways	2.3.0	Note 3	TS 102 281	Detailed requirements for GSM operation on railways	2.3.0	Note 3
66	TS 103169	ASCI Options for Interoperability	1.1.1		TS 103169	ASCI Options for Interoperability	1.1.1	
67	(MORANE) P 38 T 9001	FFFIS for GSM-R SIM Cards	4.2		(MORANE) P 38 T 9001	FFFIS for GSM-R SIM Cards	4.2	

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
68	ETSI TS 102 610	Railway Telecommunication; GSM; Usage of the UUIE for GSM operation on railways	1.3.0		ETSI TS 102 610	Railway Telecommunication; GSM; Usage of the UUIE for GSM operation on railways	1.3.0	
69	(MORANE) F 10 T 6002	FFFS for Confirmation of High Priority Calls	5.0		(MORANE) F 10 T 6002	FFFS for Confirmation of High Priority Calls	5.0	
70	(MORANE) F 12 T 6002	FIS for Confirmation of High Priority Calls	5.0		(MORANE) F 12 T 6002	FIS for Confirmation of High Priority Calls	5.0	
71	(MORANE) E 10 T 6001	FFFS for Functional Addressing	4.1		(MORANE) E 10 T 6001	FFFS for Functional Addressing	4.1	
72	(MORANE) E 12 T 6001	FIS for Functional Addressing	5.1		(MORANE) E 12 T 6001	FIS for Functional Addressing	5.1	
73	(MORANE) F 10 T6001	FFFS for Location Dependent Addressing	4		(MORANE) F 10 T6001	FFFS for Location Dependent Addressing	4	
74	(MORANE) F 12 T6001	FIS for Location Dependent Addressing	3		(MORANE) F 12 T6001	FIS for Location Dependent Addressing	3	
75	(MORANE) F 10 T 6003	FFFS for Presentation of Functional Numbers to Called and Calling Parties	4		(MORANE) F 10 T 6003	FFFS for Presentation of Functional Numbers to Called and Calling Parties	4	
76	(MORANE) F 12 T 6003	FIS for Presentation of Functional Numbers to Called and Calling Parties	4		(MORANE) F 12 T 6003	FIS for Presentation of Functional Numbers to Called and Calling Parties	4	
77	ERA/ERTMS/033 281	Interfaces between CCS track-side and other subsystems	2.0	Note 7	ERA/ERTMS/033 281	Interfaces between CCS track-side and other subsystems	2.0	Note 7

Index N	Set of specifications # 1 (ETCS baseline 2 and GSM-R baseline 0)				Set of specifications # 2 (ETCS baseline 3 and GSM-R baseline 0)			
	Reference	Name of Specification	Version	Notes	Reference	Name of Specification	Version	Notes
78	Reserved	Safety requirements for ETCS DMI functions			Intentionally deleted			Note 6
79	Not applicable	Not applicable			SUBSET-114	KMC-ETCS Entity Off-line KM FIS	1.0.0	
80	Not applicable	Not applicable			Intentionally deleted			Note 5
81	Not applicable	Not applicable			SUBSET-119	Train Interface FFFIS		Note 12
82	Not applicable	Not applicable			SUBSET-120	FFFIS TI – Safety Analysis		Note 12

Note 1: only the functional description of information to be recorded is mandatory, not the technical characteristics of the interface.

Note 2: the clauses of the specifications listed in section 2.1 of EN 301 515 which are referenced in Index 32 and Index 33 as "MI" are mandatory.

Note 3: the change requests (CRs) listed in table 1 and 2 of TS 102 281 which affect clauses referenced in Index 32 and Index 33 as "MI" are mandatory.

Note 4: Index 48 refers only to test cases for GSM-R mobile equipment. It is kept "reserved" for the time being. The application guide will contain a catalogue of available harmonised test cases for the assessment of mobile equipment and networks, according to the steps indicated in section 6.1.2 of this TSI.

Note 5: the products which are on the market are already tailored to the needs of the RU related to GSM-R Driver Machine Interface and fully interoperable so there is no need for a standard in the TSI CCS.

Note 6: information that was intended for index 78 is now incorporated in Index 27 (SUBSET-091).

Note 7: this document is ETCS and GSM-R baseline independent.

Note 8: the requirements on reliability/availability are now in the TSI (section 4.2.1.2).

Note 9: ERA analysis showed there is no need for a mandatory specification for odometry interface.

Note 10: Only the (MI) requirements are mandated by TSI CCS.

Note 11: Specifications to be managed through a Technical opinion of the European Railway Agency

Note 12: Reference to these specifications will be published in the Application Guide, waiting for clarifications on the rolling stock side of the interface.

'

Table A 3 is replaced by the following table and a related note.

'

N°	Reference	Document name and comments	Version	Note
1	EN 50126	Railway applications —The specification and demonstration of reliability, availability, maintainability and safety (RAMS)	1999	1
2	EN 50128	Railway applications — Communication, signalling and processing systems — Software for railway control and protection systems	2011 or 2001	
3	EN 50129	Railway applications — Communication, signalling and processing systems — Safety related electronic systems for signalling	2003	1
4	EN 50159	Railway applications - Communication, signalling and processing systems - Safety-related communication in transmission systems	2010	1

Note 1: this standard is harmonised, see Commission Communication in the framework of the implementation of the Directive 2008/57/EC of the European Parliament and of the Council of 17 June 2008 on the interoperability of the rail system within the Community (recast)[1], where also published editorial corrigenda are indicated.

'

---

[1]   OJ C 345, 26.11.2013, p.3