

Annex 3 to REC ERA 1218-2

New technical documents for indexes 31, 37b, 37c, 37d, 84, 85, 98 and 104 are provide as links under ‘Version’ column.

Indexes 38 and 101 are part of CR 685 EN 16494 and will be delivered when completed.

For the other indexes, links under ‘Version’ column are provided for documents already published in the ERA website.

Table A 2
List of mandatory specifications

Index No	ETCS Baseline 4 Release 1; RMR: GSM-R Baseline 1 Maintenance Release 1 + FRMCS Baseline 0; ATO Baseline 1 Release 1			
	Reference	Name of Specification	Version	Notes
1	Intentionally deleted			
2	Intentionally deleted			
3	SUBSET-023	Glossary of Terms and Abbreviations	4.0.0	
4	SUBSET-026	System Requirements Specification	4.0.0	
5	SUBSET-027	FIS Juridical Recording	4.0.0	
6	ERA_ERTMS_015560	ETCS Driver Machine interface	4.0.0	
7	SUBSET-034	Train Interface FIS	4.0.0	
8	SUBSET-035	Specific Transmission Module FFFIS	4.0.0	
9	SUBSET-036	FFFIS for Eurobalise	4.0.0	
10a	SUBSET-037-1	EuroRadio FIS GSM-R – Part 1 [Communication layer and coordination function]	4.0.0	
10b	SUBSET-037-2	EuroRadio FIS – Part 2 [Safety layer]	4.0.0	
10c	SUBSET-037-3	EuroRadio FIS – Part 3 [FRMCS interface]	4.0.0	
10d	SUBSET-146	ERTMS End-to-End Security	4.0.0	
11	SUBSET-038	Offline key management FIS	4.0.0	
12	SUBSET-039	FIS for the RBC/RBC handover	4.0.0	
13	SUBSET-040	Dimensioning and Engineering rules	4.0.0	
14	SUBSET-041	Performance Requirements for Interoperability	4.0.0	

Index No	ETCS Baseline 4 Release 1; RMR: GSM-R Baseline 1 Maintenance Release 1 + FRMCS Baseline 0; ATO Baseline 1 Release 1			
	Reference	Name of Specification	Version	Notes
15	Intentionally deleted			
16	SUBSET-044	FFFIS for Euroloop	2.4.0	
17	Intentionally deleted			
18	Intentionally deleted			
19	SUBSET-047	Trackside-Trainborne FIS for Radio infill	4.0.0	
20	SUBSET-048	Trainborne FFFIS for Radio infill	3.0.0	
21	Intentionally deleted			
22	Intentionally deleted			
23	SUBSET-054	Responsibilities and rules for the assignment of values to ETCS variables	4.0.0	
24	Intentionally deleted			
25	SUBSET-056	STM FFFIS Safe time layer	3.0.0	
26	SUBSET-057	STM FFFIS Safe link layer	3.1.0	
27	SUBSET-091	Safety Requirements for the Technical Interoperability of ETCS	4.0.0	
28	Intentionally deleted			
29	SUBSET-102	Test specification for interface 'K'	2.0.0	
30	Intentionally deleted			
31	SUBSET-094	Functional requirements for an on-board reference test facility	4.0.0 (link to the new file)	
32	EIRENE FRS	GSM-R Functional requirements specification	8.1.0	Note 7
33	EIRENE SRS	GSM-R System requirements specification	16.1.0	Note 7
34	A11T6001	(MORANE) Radio Transmission FFFIS for EuroRadio	14.0.0	
35	Intentionally deleted			
36a	Intentionally deleted			
36b	Intentionally deleted			
36c	SUBSET-074-2	FFFIS STM Test cases document	4.0.0	

Index No	ETCS Baseline 4 Release 1; RMR: GSM-R Baseline 1 Maintenance Release 1 + FRMCS Baseline 0; ATO Baseline 1 Release 1			
	Reference	Name of Specification	Version	Notes
37a	Intentionally deleted			
37b	SUBSET-076-5-2	Test cases related to features	4.0.0 (link to the new file)	
37c	SUBSET-076-6-3	Test sequences	4.0.0 (link to the new file split in several parts due to the size) Part 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 .	
37d	SUBSET-076-7	Scope of the test specifications	4.0.0 (link to the new file)	
37e	Intentionally deleted			
38	EN 16494	Railway applications. Requirements for ERTMS Trackside Boards	2025 (To be provided by CEN, see CR 685)	
39	SUBSET-092-1	ERTMS EuroRadio Conformance Requirements	4.0.0	
40	SUBSET-092-2	ERTMS EuroRadio test cases safety layer	4.0.0	
41	Intentionally deleted			
42	Intentionally deleted			
43	SUBSET-085	Test specification for Eurobalise FFFIS	4.0.0	
44	Intentionally deleted			
45	SUBSET-101	Interface 'K' Specification	2.0.0	
46	SUBSET-100	Interface 'G' Specification	2.0.0	
47	Intentionally deleted			
48	Reserved	Test specification for mobile equipment GSM-R		Note 3
49	SUBSET-059	Performance requirements for STM	4.0.0	
50	SUBSET-103	Test specification for Euroloop	1.1.0 (Annexes split in several parts due to the size) On-board TSOE part 1 , 2 , 3 , 4 , 5 , 6 , 7 . TSOE part 1 , 2 , 3 , 4 , 5 , 6 , 7 . TSTE	
51	Intentionally deleted			

Index No	ETCS Baseline 4 Release 1; RMR: GSM-R Baseline 1 Maintenance Release 1 + FRMCS Baseline 0; ATO Baseline 1 Release 1			
	Reference	Name of Specification	Version	Notes
52	SUBSET-058	FFFIS STM Application layer	4.0.0	
53	Intentionally deleted			
54	Intentionally deleted			
55	Intentionally deleted			
56	Intentionally deleted			
57	Intentionally deleted			
58	Intentionally deleted			
59	Intentionally deleted			
60	SUBSET-104	ETCS System Version Management	4.0.0	
61	Intentionally deleted			
62	Intentionally deleted			
63	SUBSET-098	RBC-RBC Safe Communication Interface	4.0.0	
64	EN 301 515	Global System for Mobile Communication (GSM); Requirements for GSM operation on railways	3.0.0	Note 1
65	TS 102 281	Detailed requirements for GSM operation on railways	3.1.1	Note 2
66	TS 103 169	ASCI Options for Interoperability	1.1.1	
67	(MORANE) P 38 T 9001	FFFIS for GSM-R SIM Cards	6.0.0	Note 7
68	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	
70	(MORANE) F 12 T 6002	FIS for Confirmation of High Priority Calls	5	
71	(MORANE) E 10 T 6001	FFFS for Functional Addressing	4.1	
72	(MORANE) E 12 T 6001	FIS for Functional Addressing	5.1	
73	(MORANE) F 10 T 6001	FFFS for Location Dependent Addressing	4	
74	(MORANE) F 12 T 6001	FIS for Location Dependent Addressing	3	

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	Reference	Name of Specification	Version	Notes
75	(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	
77	ERA/ERTMS/033281	Interfaces between CCS trackside and other subsystems	5.0	Note 6
78	Intentionally deleted			Note 5
79	SUBSET-114	KMC-ETCS Entity Off-line KM FIS	4.0.0	
80	Intentionally deleted			Note 4
81	SUBSET-119	Train Interface FFFIS	4.0.0	
82	SUBSET-120	Train Interface - Safety requirements	4.0.0 Fault trees	
83	SUBSET-137	On-line Key Management FFFIS	4.0.0	
84	SUBSET-125	ERTMS/ATO System Requirement Specification	1.1.0 (link to the new file)	
85	SUBSET-126	ATO-OB/ATO-TS FFFIS Application Layer	1.1.0 (link to the new file)	
86	SUBSET-148	ATO-OB/ATO-TS FFFIS Transport and Security Layers	1.0.0	
87	SUBSET-130	ATO-OB/ETCS-OB FFFIS Application Layer	1.0.0	
88	SUBSET-139	ATO OB/Rolling Stock FFFIS Application Layer	1.0.0	
89	SUBSET-143	Interface Specification Communication Layers for On-board Communication	1.0.0	
90	SUBSET-147	CCS Consist network communication Layers FFFIS	1.0.0	
91	Intentionally deleted			
92	FFFIS-7950	FRMCS FFFIS	1.0.0	Note 8
93	FU-7120	FRMCS FRS	1.0.0	Note 9
94	AT-7800	FRMCS SRS	1.0.0	Note 9
95	FIS-7970	FRMCS FIS	1.0.0	Note 8
96	Reserved	[FFFIS for FRMCS profile placeholder]		
97	Reserved	[FRMCS Test specifications placeholder]		

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	Reference	Name of Specification	Version	Notes
98	SUBSET-151	ATO-OB/ATO-TS Test Specifications	1.0.0 (link to the new file)	
99	TOBA-7510	On-board FRMCS TOBA FRS	1.0.0	Note 9
100	Intentionally deleted			
101	21E089	Engineering rules for harmonised marker boards	2- (To be delivered together with index 38, see CR 685)	
102	13E154	ERTMS/ATO Glossary	2-	
103	TD/011REC1028	ESC/RSC technical document	Version published in ERA website	
104	SUBSET-153	ERTMS/ETCS & ERTMS/ATO Exceptions for on-board reduced envelopes of ETCS system versions	1.0.0 (link to the new file)	