

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
POL	focX2 01.02.08 (28.01.2025)	GSM-R		unlimited	Software Release 01.02 (OPH)
EU	MESA23 CR_SW 04.11.06	GSM-R	30.03. 2027	unlimited	NoBo Railway CERT (ID: 0893) Certificates according to Regulation (EU) 2016/919  <u>Certificate Module CB</u> Certificate No.: 0893/1/CB/2021/CCO/DE EN/3481 Valid indefinitely  <u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.2/V01 Valid until 30 March 2027
EU	MESA23 CR_SW 04.09.05	GSM-R	30.03. 2027	unlimited	NoBo Railway CERT (ID: 0893) Certificates according to Regulation (EU) 2016/919  <u>Certificate Module CB</u> Certificate No.: 0893/1/CB/2021/CCO/DE EN/3199.2 Valid indefinitely  <u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.2/V01 Valid until 30 March 2027
EU	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	NoBo Arsenal RACE (ID 2250) and Eisenbahn-CERT (ID 0893) Certificates according to Regulation (EU) 2023/1695  <u>Certificate Module CB</u> Certificate No. 2250/1/CB/2025/CCO/DEEN/2409-3N-02/V1.0 No time limit  <u>Certificate Module CD</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027
DEU	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment on Eisenbahn-CERT is available. RSC-IC assessment with NoBo report from TÜV Rheinland Rail CERTIFICATION B.V. (ID: 1010) and RSC-IC statement.
DEU	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	unlimited	DeBo Assessment & DeBo interim examination certificate issued by Eisenbahn-CERT is available.
DEU	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim examination certificate from Eisenbahn-CERT is available.
AUT	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment is carried out at the level of the vehicle-side ZZS subsystem; no activity planned at component level;  For recommendations on use, see <a href="#">ÖBB Infrastructure link</a>
AUT	MESA23 CR_SW 04.09.05	GSM-R Analog	30.03. 2027	31.12. 2020	DeBo assessment is carried out at the level of the vehicle-side ZZS subsystem; no activity planned at component level;  For recommendations on use, see <a href="#">ÖBB Infrastructure link</a>

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
AUT	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment certificate according to NNTR by <i>Arsenal RACE</i> is available. RSC-IC assessment with NoBo report from <i>Arsenal RACE</i> (ID: 2250) and RSC-IC statement.
BEL	MESA23 CR_SW 04.11.06	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>CERTIFER Belgorail SA</i> is available. RSC-IC assessment with NoBo report from <i>CERTIFER Belgorail SA</i> and RSC-IC statement
BEL	MESA23 CR_SW 04.09.05	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>CERTIFER Belgorail SA</i> is available.
BEL	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	DeBo Assessment by <i>Ricardo Certification B.V.</i> is available. RSC-IC assessment with NoBo report from <i>Ricardo Certification B.V.</i> and RSC-IC statement NNTV for Belgium has been assessed
BGR	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment by <i>EI Trans Engineering (ETE)</i> is available.
BGR	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Analog	30.03. 2027	unlimited	<i>DeBo assessment by EI Trans Engineering (ETE) is available.</i>
HRV	MESA23 CR_SW 04.12.06 2.0.041206.01	Analog GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>INFRACERT</i> is available.
CZE	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	National approval for an unlimited period
CZE	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	unlimited	National approval unlimited in time No longer technically compatible with SRV lines as of 1 September 2015 See SŽ network statement, Annex F "Rail line radio systems"
DNK	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	NoBo <i>Arsenal RACE</i> (ID 2250) and <i>Eisenbahn-CERT</i> (ID 0893) Certificates according to Regulation (EU) 2023/1695 No DeBo required
FRA	MESA23 CR_SW 04.11.06	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
FRA	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail Certification B.V.</i> is available.
HUN	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	MÁV approval valid indefinitely
HUN	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	unlimited	MÁV approval valid indefinitely Operating modes "A" and "C" approved, operating modes "C*" and "V" no longer usable.
ITA	MESA23 CR_SW 04.11.06	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available
ITA	MESA23 CR_SW 04.09.05	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available.
ITA	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available. The complete verification of the NNTR ITA is only possible in the rolling stock subsystem.

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
LUX	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>Arsenal RACE</i> (ID: 2250) and RSC-IC statement.
NLD	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	NoBo <i>Arsenal RACE</i> (ID 2250) and <i>Eisenbahn-CERT</i> (ID 0893) Certificates according to Regulation (EU) 2023/1695 No DeBo required
NOR	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	NoBo <i>Arsenal RACE</i> (ID 2250) and <i>Eisenbahn-CERT</i> (ID 0893) Certificates according to Regulation (EU) 2023/1695 No DeBo required
POL	MESA23 CR_SW 04.11.06	Analog	30.03. 2027	unlimited	National approval MESA 23/Koliber valid indefinitely.
POL	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	unlimited	National approval MESA 23/Koliber valid indefinitely.
ROU	MESA23 CR_SW 04.11.06	Analog GSM-R	30.03. 2027	22.02. 2026	DeBo assessment by <i>AFER</i> is available
ROU	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	22.02. 2026	DeBo-assessment by <i>AFER</i> is available.
ROU	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment by <i>AFER</i> is available.
SRB	MESA23 CR_SW 04.11.06	Analog GSM-R	30.03. 2027	unlimited	
SRB	MESA23 CR_SW 04.09.05	Analog GSM-R	30.03. 2027	unlimited	
SVK	MESA23 CR_SW 04.11.06	GSM-R Analog	30.03. 2027	unlimited	National approval valid indefinitely.
SVK	MESA23 CR_SW 04.09.05	GSM-R Analog	30.03. 2027	unlimited	National approval for an unlimited period
SVK	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Analog	30.03. 2027	unlimited	National approval valid indefinitely. Approval granted by Betamont.
SVN	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	NoBo <i>Arsenal RACE</i> (ID 2250) and <i>Eisenbahn-CERT</i> (ID 0893) Certificates according to Regulation (EU) 2023/1695 No DeBo required
SWE	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>Arsenal RACE</i> (ID: 2250) and RSC-IC statement.
CHE	MESA23 CR_SW 04.11.06	GSM-R Public Roaming (3G/4G)	30.03. 2027	31.12. 2032	Type approval issued by the <i>Bundesamt für Verkehr (BAV)</i> , valid until 31 December 2031  Public roaming possible on Swisscom's 3G network.
CHE	MESA23 CR_SW 04.09.05	GSM-R	30.03. 2027	31.12. 2027	Type approval issued by the <i>Bundesamt für Verkehr (BAV)</i> valid for a limited period.
CHE	MESA23 CR_SW 04.12.06 2.0.041206.01	GSM-R Public Roaming (3G/4G)	30.03. 2027	31.12. 2036	Type approval issued by the <i>Bundesamt für Verkehr (BAV)</i> DeBo assessment by <i>Railway Approvals Germany (RAG)</i> is available. Valid until 31 December 2035, RSC-IC assessment with NoBo report from <i>Arsenal RACE</i> (ID: 2250) and RSC-IC statement.

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 KÖlleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
EU	MESA25 CR_M25 1.08.xx 2.0.010808.01	GSM-R	30.03. 2027	unlimited	NoBo TÜV Rheinland Rail Certification B.V. (ID: 1010) and Eisenbahn-CERT (ID: 0893) Certificates according to Regulation (EU) 2023/1695  <u>Certificate Module CB</u> Certificate No. 1010/1/CB/2025/CCO/DEEN/TRRC1955567/V01 Valid indefinitely  <u>Certificate Module CD</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027
DEU	MESA25 CR_M25 1.08.xx 2.0.010808.01	GSM-R	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment by Eisenbahn-CERT is available. RSC-IC assessment with NoBo report from TÜV Rheinland Rail CERTIFICATION B.V. (ID: 1010) and RSC-IC statement.
CHE	MESA25 CR_M25 1.08.xx 2.0.010808.01	GSM-R Public Roaming (3G/4G)	30.03. 2027	unlimited	Conformity assessment for MESA@25-01 in conjunction with CR_M25 1.08.08 completed by TÜV SÜD Rail GmbH.  Included are: <ul style="list-style-type: none"> <li>- NNTV test certificate</li> <li>- DeBo dossier</li> <li>- DeBo inspection report</li> </ul> The complete testing of the NNTR CHE is only possible in the vehicle subsystem.  NNTV (as of 2024) for Switzerland has been assessed.
EU	MESA26 BASE 02.01.32 Patch IV	GSM-R	30.03. 2027	unlimited	NoBo Eisenbahn-CERT (ID: 0893) Certificates according to Regulation (EU) 2016/919  <u>Certificate Module CB</u> System stand Z48E Certificate No. 0893/1/CB/2021/CCO/DE EN/3386  System stand Z49E Certificate no. 0893/1/CB/2022/CCO/DE EN/3386  System stand Z410E Certificate no. 0893/1/CB/2023/CCO/DE EN/3386/V01  All Module CB certificates are valid indefinitely.  <u>Module CD certificate</u> Certificate no. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027
EU	MESA26 BASE 02.02.06 2.0.0202.01		30.03. 2027	unlimited	NoBo Eisenbahn-CERT (ID: 0893) Certificates according to Regulation (EU) 2016/919  <u>Certificate Module CB</u> Certificate No. 0893/1/CB/2022/CCO/DE EN/3587/V01 Unlimited duration  <u>Certificate Module CD</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.2/V01 Valid until 30 March 2027

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
■ EU	MESA26 BASE 02.02.18 2.0.0202.01	GSM-R	30.03. 2027	unlimited	NoBo Eisenbahn CERT (ID: 0893) Certificates according to Regulation (EU) 2023/1695  <u>Certificate Module CB</u> Certificate No.: 0893/1/CB/2024/CCO/DEEN/3587/V02 Valid indefinitely  <u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027
■ EU	MESA26 BASE 02.02.14 Patch I 2.0.0202.01	GSM-R	30.03. 2027	unlimited	NoBo <i>Eisenbahn-CERT</i> (ID: 0893) Certificates available in accordance with Regulation (EU) 2016/919 & Regulation (EU) 2023/1695  <u>Certificates Module CB:</u> Certificate No. (TSI CCS 2016): 0893/1/CB/2023/CCO/DE EN/3587/V01 Certificate No. (TSI ZZS 2023): 0893/1/CB/2024/CCO/DEEN/3587/V01 No time limit  <u>Certificates Module CD</u> Certificate No. (TSI ZZS 2016): 0893/4/CD/2025/CCO/DEEN/3426.2/V01 Certificate No. (TSI ZZS 2023): 0893/4/CD/2025/CCO/DEEN/3426.1/V01
■ EU	MESA26 BASE 02.03.14 2.0.0203.03	GSM-R Analog	14.01. 2027	unlimited	NoBo TÜV <i>Rheinland Rail Certification B.V.</i> (ID: 1010) Certificates according to Regulation (EU) 2023/1695  <u>Module CB certificate</u> Certificate No.: 1010/1/CB/2025/CCO/ESEN/TRRC3442584/V01 Unlimited duration  <u>Module CD certificate</u> Certificate no.: 1010/4/CD/2025/CCO/ESEN/TRRC3442585/V01 Valid until 14 January 2027  <u>NoBo report</u> Report no.: TRRC/B 25/344-V1.0
■ EU	MESA26 BASE 02.02.21 Patch III 2.0.0202.02	GSM-R	30.03. 2027	unlimited	NoBo is Railway CERT (ID: 0893) Certificate according to Regulation (EU) 2023/1695  <u>Certificate Module CB:</u> Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V01 Valid indefinitely  <u>Certificate Module CD:</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
EU	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	NoBo is Eisenbahn-CERT (ID: 0893) Certificates according to Regulation (EU) 2023/1695  <u>Certificate Module CB</u> Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V02 No time limit  <u>Certificate Module CD</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027
DEU	MESA26 BASE 02.02.14 Patch I 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment by <i>Eisenbahn-CERT</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
DEU	MESA26 BASE 02.02.06 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo Assessment & DeBo interim examination certificate issued by <i>Eisenbahn-CERT</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
DEU	MESA26 BASE 02.01.32 Patch IV	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment by <i>Eisenbahn-CERT</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
DEU	MESA26 BASE 02.02.21 Patch III 2.0.0202.02	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment by <i>Eisenbahn-CERT</i> is available. RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement.
DEU	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment by <i>Eisenbahn-CERT</i> is available. RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement.
AUT	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	Analog GSM-R	30.03. 2027	unlimited	DeBo assessment & DeBo interim assessment certificate according to NNTR by <i>Arsenal RACE</i> is available. RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement.
BEL	MESA26 BASE 02.01.32 Patch IV	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>CERTIFER Belgorail SA</i> is available.
BEL	MESA26 BASE 02.02.06 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>CERTIFER Belgorail SA</i> is available. RSC-IC assessment with NoBo report from <i>CERTIFER Belgorail SA</i> and RSC-IC statement
BEL	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>Ricardo Certification B.V.</i> is available. RSC-IC assessment with NoBo report from <i>Ricardo Certification B.V.</i> and RSC-IC statement
BGR	MESA26 BASE 02.01.32 Patch IV	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment by <i>EI Trans Engineering Ltd</i> is available.  Certificate No.: 0014/RH/18/CCS/BG_EN/3-T (Annexes 2, 3 of 2018) 0015/RH/22/CCS/BG_EN/1-T (1 of 2022)

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
BGR	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	DeBo assessment by <i>EI Trans Engineering (ETE)</i> is available.
HRV	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	Analog	30.03. 2027	unlimited	DeBo assessment by <i>AGILUS TEL d.o.o.</i> is available.
CZE	MESA26 BASE 02.01.32 Patch IV	GSM-R	30.03. 2027	unlimited	
DNK	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	NoBo certification by Eisenbahn-CERT No DeBo required  Certificate Module CB Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V02  according to Module CB in accordance with Regulation (EU) 2023/1695
FRA	MESA26 BASE 02.01.32 Patch IV	GSM-R	30.03. 2027	unlimited	DeBo assessment <i>TÜV Rheinland Rail Certification B.V.</i> is available.
FRA	MESA26 BASE 02.02.06 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
FRA	MESA26 BASE 02.02.14 Patch I 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> is available. RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
FRA	MESA26 BASE 02.02.18 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> is available. RSC-IC Bewertung mit NoBo Bericht von <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) und RSC-IC Statement.
FRA	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> is available.
GRC	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	DeBo: only at vehicle level
HUN	MESA26 BASE 02.01.32 Patch IV	GSM-R Analog	30.03. 2027	unlimited	<i>MÁV</i> approval valid indefinitely
HUN	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	<i>MÁV</i> approval valid indefinitely
ITA	MESA26 BASE 02.01.32 Patch IV	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available.

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 KÖlleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
ITA	MESA26 BASE 02.02.14 Patch I 2.0.0202.01	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available.
ITA	MESA26 BASE 02.02.21 Patch III 2.0.0202.02	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available. The complete verification of the NNTR ITA is only possible in the rolling stock subsystem.
ITA	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>RINA Services</i> is available.
LUX	MESA26 BASE 02.02.06 2.0.0202.01	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
LUX	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>Arsenal RACE</i> (I D: 2250) and RSC-IC statement.
NLD	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	NoBo certification by Eisenbahn-CERT No DeBo required  Certificate Module CB Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V02  according to Module CB in accordance with Regulation (EU) 2023/1695
NOR	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	In Norway, there are no requirements beyond the EC conformity assessments. No DeBo required  Certificate Module CB Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V02  according to Module CB in accordance with Regulation (EU) 2023/1695
POL	MESA26 BASE 02.01.32 Patch IV	GSM-R Analog	30.03. 2027	unlimited	Type conformity certificate issued by <i>Railway Institute (IK) Warsaw</i>
ROU	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	According to AFER confirmation, the licences for the MESA 26 train radio system, which were communicated via the national partner Telecom World Team, remain valid and are covered by the current maintenance projects.
SVK	MESA26 BASE 02.01.32 Patch IV	GSM-R Analog	30.03. 2027	unlimited	
SVK	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R Analog	30.03. 2027	unlimited	National approval valid indefinitely. Approval granted by Betamont.

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
SVN	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement. No DeBo required  Module CB certificate Certificate No. 0893/1/CB/2025/CCO/DEEN/3587.1/V02  according to Module CB in accordance with Regulation (EU) 2023/1695
ESP	MESA26 BASE 02.02.14 Patch I 2.0.0202.01	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement.
ESP	MESA26 BASE 02.03.14 2.0.0203.03	Analog	14.01. 2027	unlimited	DeBo <i>TÜV Rheinland Rail Certification B.V.</i> DeBo assessment (according to assessment modules SB + SD) for multiple units and locomotives.  <u>Certificate module SB</u> Certificate no.: TRRC/8.1/SB/2025/CCO/ES/2540291/V01  <u>Certificates Module SD</u> Certificate No.: TRRC/8.4/SD/2025/CCO/ES/2540292/V01 Certificate No.: TRRC/8.6/SD/2025/CCO/ES/2540293/V01 Valid until 14 January 2027  <u>DeBo conformity assessment report</u> Report No.: TRRC/B 25/254-V1.0
ESP	MESA26 BASE 02.02.21 Patch III 2.0.0202.02	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement. DeBo: not performed (Class B radio system supported).
ESP	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> (ID: 1010) and RSC-IC statement. kein DeBo notwendig.
SWE	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	GSM-R	30.03. 2027	unlimited	RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement.
CHE	MESA26 BASE 02.01.32 Patch IV	GSM-R Public Roaming (3G/4G)	30.03. 2027	31.12. 2032	Type approval issued by the <i>Bundesamt für Verkehr (BAV)</i> DeBo assessment by <i>TÜV SÜD Rail GmbH</i> is available Valid until 31 December 2031
CHE	MESA26 BASE 02.02.21 Patch III 2.0.0202.02	GSM-R Public Roaming (3G/4G)	30.03. 2027	31.12. 2036	Type approval by the <i>Bundesamt für Verkehr (BAV)</i> DeBo assessment by <i>TÜV SÜD Rail GmbH</i> available. Valid until 31 December 2035 RSC-IC assessment with NoBo report from <i>Eisenbahn-CERT</i> and RSC-IC statement.
CHE	MESA26 BASE 02.02.21 Patch III 2.0.020221.03	Public Roaming (3G/4G) GSM-R	30.03. 2027	unlimited	DeBo assessment, inspection report and NNTR test certificate by <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> <i>TÜV Rheinland Rail CERTIFICATION B.V.</i> <i>The complete testing of the NNTR CHE is only possible in the rolling stock subsystem.</i> Bundesamt für Verkehr stellt zukünftig keine Typenzulassungen aus.

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Köllda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
EU	MESA26-N CR_M26 1.04.09	GSM-R	30.03. 2027	unlimited	<p>NoBo TÜV Rheinland Rail Certification B.V. (ID: 1010) Certificates according to Regulation (EU) 2016/919</p> <p><u>Certificate Module CB</u> Certificate No.: 1010/1/CB/2022/CCO/DEEN/TRRC5324357/V02 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No. 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027</p>
DEU	MESA26-N CR_M26 1.04.09	GSM-R	30.03. 2027	unlimited	DeBo interim assessment certificate issued from <i>Eisenbahn-Cert</i> is available.
BEL	MESA26-N CR_M26 1.04.09	GSM-R	30.03. 2027	unlimited	DeBo assessment by <i>TÜV Rheinland Rail Certification B.V</i> is available.
EU	RIU-ETCS 5E	GSM-R	30.03. 2027	unlimited	<p><b>EDOR 1.3.0, Systemidentifikator 2.0.130.01</b> NoBo <i>Arsenal RACE</i> (ID: 2250) Certificates according to Regulation (EU) 2023/1695</p> <p><u>Certificate Module CB</u> Certificate No.: 2250/1/CB/2024/CCO/DEEN/2331-3N-02/V1.0 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30/03/2027</p>
EU	RIU-ETCS 5E	GSM-R	30.03. 2027	unlimited	<p><b>EDOR 1.2.1, Systemidentifikator 2.0.121.01</b> NoBo <i>Arsenal RACE</i> (ID: 2250) Certificates according to Regulation (EU) 2023/1695</p> <p><u>Certificate Module CB</u> Certificate No.: 2250/1/CB/2024/CCO/DEEN/1961-4N-02/V1.0 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027</p>
EU	RIU-ETCS 5E	GSM-R	30.03. 2027	unlimited	<p><b>EDOR 1.2.1</b> NoBo <i>Arsenal RACE</i> (ID: 2250) Certificates according to Regulation (EU) 2016/919</p> <p><u>Certificate Module CB</u> Certificate No.: 2250/1/CB/2022/CCO/DEEN/1632-4N-02/V1.0 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.2/V01 Valid until 30 March 2027</p>

# Summary of Approvals

Train Radio Systems and Data Radio Systems  
2025-12-19 15:20

Funkwerk Systems GmbH  
Im Funkwerk 5  
99625 Kölleda  
Germany

Tel.: +49 (0) 3635 / 458 500  
Fax: +49 (0) 3635 / 458 399  
Internet: [www.funkwerk.com](http://www.funkwerk.com)



Country/ Conformity Assessment Body	Device and Software Version	Radio Mode	EC Certificate Module CD valid until	National Approval valid until	Description
EU	RIU-ETCS 5E	GSM-R	30.03. 2027	unlimited	<p><b>EDOR 1.2.0</b></p> <p>NoBo Arsenal RACE (ID: 2250) Certificates according to Regulation (EU) 2016/919</p> <p><u>Certificate Module CB</u> Certificate No.: 2250/1/CB/2021/CCO/DEEN/1522-4N-02/V1.0 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No.: 0893/4/CD/2025/CCO/DEEN/3426.1/V01 Valid until 30 March 2027</p>
EU	TRS 6000 6.2.0	GSM-R	22.06. 2027	unlimited	<p>NoBo: <i>Arsenal Race Railway Certification</i> (ID: 2250) Certificates according to Regulation (EU) 2023/1695</p> <p><u>Certificate Module CB</u> Certificate No.: 2250/1/CB/2023/CCO/DEEB/1920-4N-08/V1.0 Unlimited duration</p> <p><u>Certificate Module CD</u> Certificate No.: 2250/4/CD/2025/CCO/DEEN/2575-3N-04/V1.0 Valid until 22 June 2027</p>
DEU	TRS 6000 6.2.0	GSM-R	22.06. 2027	unlimited	DeBo Assessment & DeBo interim examination certificate issued by <i>Eisenbahn-CERT</i> is available.
AUT	TRS 6000 6.2.0	GSM-R Analog	22.06. 2027	unlimited	<p>- No separate DeBo rating</p> <p>- Tests with ÖBB</p> <p>- Recommended by ÖBB, see link: <a href="#">GSM-R train radio terminals and software from ÖBB-Infrastruktur AG</a></p> <p>- Liability assumed by EVU <a href="#">ÖBB infrastructure Link</a></p>
CHE	TRS 6000 6.2.0	GSM-R	22.06. 2027	31.12. 2033	Type approval issued by the <i>Bundesamt für Verkehr (BAV)</i> Valid until 31 December 2033