

EC declaration of conformity

Manufacturer: Siemens Mobility A/S
Address: Borupvang 9
DK-2750 Ballerup, Denmark
IC description: STM for Danish ETCS onboard, Unisig baseline 3 Release 2, version 03.00.13

The IC described above is in conformity with the provisions of the following European Directives and Commission Decisions:

TSI CCS 2016/797/EU DIRECTIVE (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union amended by (EU) 2020/700 of 25 May 2020

TSI CCS 2016/919/EU Commission Regulation (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to the 'control-command and signaling' subsystems of the rail system in the European Union amended by (EU) 2019/776 of 16 May 2019, (EU) 2020/387 of 9 March 2020 and (EU) 2020/420 of 16 March

The documentation accompanying the IC shall be observed.

Module CH1 according to decision COMMISSION DECISION 2016/919/EU of 27 May 2016 was applied to declare the conformity.

Ballerup, 2023-06-01
Siemens Mobility A/S

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Name, position

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Signature

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Name, position

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Signature

Annex to EC declaration of conformity

STM for Danish ETCS onboard, Unisig baseline 3 Release22, version 03.00.13

Conformity to European Directives is supported by the following documents of the notified body issued for IC "STM for Danish ETCS onboard, Unisig baseline 3, Release 2, version 03.00.13".

Design Examination Documentation

Type of document (number)	Date of issue	Remark
Statement of Conformity, EC Design Examination (Issued by Notified Body SINTEF) 102004428-NOT-2021-02	2021-10-29	There is one restriction as pointed out in section 6.1 and one limiting condition as pointed out in section 6.4 of the Design Examination Report 2017:00828, v6.0 ¹

¹ Quote from SINTEF report: 2017:00828, version 6.0, chapter 6:

6.1 Non Compliances

One *NonCompliance* to the requirements that are applicable to the DK-STM has been identified.

The identified NonCompliance is:

NC_01: SUBSET-058 (§6.1.4.16) Transmission of non standard packets: Transmission of non standard packets (i.e. packets which are not described in this document, but whose numbers are within the allocated range of non standard packets, see NID_PACKET definition): in case a message includes such non standard packet(s) unknown to the receiver, the non standard packet(s) shall be ignored and the message shall not be rejected..... 27

According to the judgement of SINTEF, the identified Non-Compliance does not affect the interface to the connected ETCS with respect to interoperability. It is no need to issue any condition restricting the operation of a train with the DK-STM Interoperability Constituent installed as part of its ERTMS/ETCS on-board assembly. The issued noncompliance NC_01 is explicit covered by Siemens in "#CONSTRAINT-DK-STM-SyValBase-0103#" issued in the GASC, ref. [10] and referenced in the CVR [CVR].

Based on the criteria for partial fulfilment of requirements provided in the (EU) 2016/919 TSI CCS [4], and the non-compliance issued here, SINTEF considers that a certificate with restriction can be issued.

6.4 Geographical Scope of Operation

Geographical scope is specifically mentioned in section 1.2 of the TSI CCS [4] (delimited by the trans-European rail system), and specifically in relation of the STM operation covered in section 6.2.4.2 in the same TSI.

According to the TSI CCS [4], section 6.2.4.2: "Each Member State shall be responsible for verifying that STMs conform to its national requirements."

This implies that the geographical scope of operation of DK-STM is limited to the Member State(s) from which such approvals have been given. This implies that the geographical scope of operation of the DK-STM is limited to the infrastructure in Denmark.

Conformity Verification Documentation

Furthermore, the following Conformity Verification documents have been produced (Valid for both 03.00.10, 03.00.11 and 03.00.13):

Document Title	Document ID
Conformity Verification Plan, Assessment of conformity of DK-STM with UNISIG ETCS Baseline 3	G81002-E3116-U002-E
Conformity Verification Specification, Assessment of conformity of DK-STM with UNISIG ETCS Baseline 3	G81002-E3116-U003-E
Conformity Verification Report, Assessment of conformity of DK-STM Release 3.0.10 with UNISIG Baseline 3	G81002-E3116-U004-F

The Conformity Verification Report, G81002-E3116-U004-F concludes that conformity has been achieved.

Quality Management System Approval Documentation

Document Title	Valid
Quality Management System Approval 1278/4/CH1/2022/CCO/EN/0110/V01	Start 2022-04-04 – End 2024-04-03

Document History

Version	Date	Reason for change
1.0	2021-05-04	New Document (ELO2065961)
2.0	2023-06-01	Updated QMSA Certificate New signatures Document History added