



Technical file

For the placing in service of vehicle (type) with CCS on-board (subsystem)

This document contains that part of the vehicle authorisation document which is relevant for the CCS subsystem. In the end, there will be one APS document, which comprises all subsystems. The content is relevant, the representation is a guideline.

The complete filled in form can be sent by e-mail to aanvraag@ilent.nl or send to Inspectie Leefomgeving en Transport / Rail en Wegvervoer P.O. Box 16191, 2500 BD Den Haag, NL

Additional information
 (+31) (0)88 489 00 00 | www.ilent.nl

1 Vehicle (type)

1.1 Vehicle (e.g.: electric multi-system locomotive)

1.2 Manufacturer of vehicle

1.3 Type approval Yes No

1.4 Serial number(s)

2 Changes made to the ATP-system(s)

No.	ATP-system	Type of change
1	<input type="text"/>	<input type="checkbox"/> Installation <input type="checkbox"/> Upgrade
2	<input type="text"/>	<input type="checkbox"/> Installation <input type="checkbox"/> Upgrade
3	<input type="text"/>	<input type="checkbox"/> Installation <input type="checkbox"/> Upgrade
4	<input type="text"/>	<input type="checkbox"/> Installation <input type="checkbox"/> Upgrade
5	<input type="text"/>	<input type="checkbox"/> Installation <input type="checkbox"/> Upgrade

3 TSI's and Baselines applicable

3.1 TSI CCS version Number:

Date:

ERTMS Baseline 2 3

ERTMS version

Technical file

For the placing in service of vehicle (type) with CCS on-board (subsystem)

Human Environment and Transport Inspectorate
Ministry of Infrastructure and Water Management

4 Technical characteristics of the vehicle

	Subsystem or component	Manufacturer	HW versions	SW versions
4.1 The changes led to the following technical characteristics of the vehicle	ERTMS/ETCS on-board system			
	ATP system A			
	ATP system B			
	Display			
	GSM-R voice cab radio			
	Vehicle interface system (TIU)			
	Speed measuring & indicating system			
	Driver's safety device			
	Recording system			

5 Type of authorisation

5.1 Type of authorisation

> Except for the first authorisation, refer to previous authorisations

- First authorisation
- Additional authorisation
- Renewed authorisation
- Subsequent authorisation
- New authorisation (upgrade/renewal)

6 Final provisions

- > The regulatory, technical and operational conditions and restrictions listed in the Annex are part of this authorisation file.

This annex is a checklist of reference required for the CCS related content of the technical documents handed over by the applicant as part of the vehicle authorization. See also Guideline for CCS authorization rail freight corridor 1, version 1 (13-12-2013)

1. Authorisation file of the vehicle

Note: Applicant has to declare that all requirements are met

2. Declaration of EC Verification (DoV) of the on-board CCS subsystem

EC Declaration number(s)/version/date

Note 1: Refer to the technical file of the EC verification (see ID Annex V), which is not to be duplicated for APS, but at least

- the brief description of the subsystem
- the conditions & constraints (e.g. SRAC)

shall be available to the NSA

Note 2: According ID Annex V 1 the declaration of verification has to contain "all the relevant temporary or final provisions to be complied with by the subsystems and in particular, where appropriate, any operating restrictions or conditions"

Note 3: For vehicle APS have to be available also EC verifications for RST and ENE subsystems.

3. Declaration of verification of the on-board CCS subsystem with National Rules

EC Declaration number(s)/version/date

Note 1: At least the conditions & constraints must be available to the NSA

Note 2: For vehicle APS have to be available also NR verifications for RST and ENE subsystems

4. In case of a significant change

Note 1: Safety assessment report according to CSM regulation 402/2013/EU

Note 2: Declaration of the proposer stated in art. 16 of Regulation 402/2013/EU

Note 3: This is optional until Regulation 402/2013/EU comes into force 21-05-2015

5. Assessment report on safe integration and technical compatibility

number – version – date

Note 1: This could also be done by producing a safety case according to CENELEC

6. Test reports

Reports of Track Train System Validation

Note: Test reports shall indicate the trackside configurations used (manufacturer, system version, reference track), and for which part of the network their results are valid

7. Requirements on maintenance linked to the design

e.g. product documentation related to maintenance of the subsystem, like key management and requirements on minimum qualification of staff

Note: : according to recommendation 2011/217/EU chap. 5.2 technical file for APS includes ...

8. Requirements on operation linked to the design

e.g. product documentation related to operation of the subsystem, like requirements on minimum qualification of staff

Note: : According to recommendation 2011/217/EU chap. 5.2 technical file for APS includes ...

9. Requirement on route suitability

e.g. production plan and control (quality plan)

Note: The technical file shall include all parameters needed by RU/IM for checking after the authorisation the compatibility between network and trains

Observations, restrictions and conditions of use

Note: Guideline, page 48, just before the chart "The following information ... other information relevant for APS

10. Technical compatibility

Note: Under this paragraph is indicated the part of the network for which the subsystem has been validated, based on the functional scope of the track-train integration tests (see test reports above). It does not cover the route suitability requirements that shall be maintained by the SMS of the RU.

"the subsystem has been tested under the functional and operational conditions given by the following set of test cases / test scenarios:"

- Validation tests route A
- Validation tests route B
- Netzzugangstests NBS
- Netzzugangstests LBL
- Prorail RLN 295
- ...

Indicate the used test cases / test scenarios.

Condition:

The subsystem may be operated with ETCS only on lines with the functional and operational conditions tested by the set of test cases / test scenarios

11. Safety critical events and observations

Note 1: Any issues based on SRACof the subsystem shall be mentioned in this table

Note 2: The safety assessment report requires that a process will be installed to notify any safety critical event and observation tot the NSA

Condition: Installation of a process and report about the installed process to the NSA within 3 months

Examples for other conditions

12. Modes

The subsystem does not indicate the speed in mode "XY", this requires specific operational measures in mode "XY"

Condition:

The relevant operational measures have to be communicated to the vehicle holder

13. DMI

The DMI shows wrong messages in case of XY

Condition:

The DMI Software has to be upgraded within 12 months

14. Train length

The system does not correctly calculate the braking curves for trains longer than 400m

Condition:

The system shall be used only on trains <400m