

Authorisations, registration and maintenance of wagons

Hybrid meeting, 10 December 2024



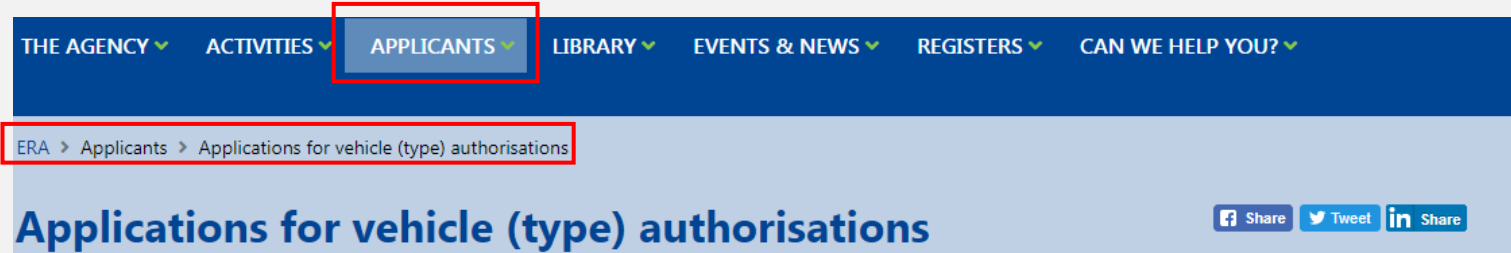
4RP – Vehicle Authorisation

- Quick summary of the vehicle authorisation process
 - General aspects
 - Other VA aspects



Where to find the VA documents in ERA website

https://www.era.europa.eu/applicants/applications-vehicle-type-authorisations_en



THE AGENCY ▾ ACTIVITIES ▾ **APPLICANTS ▾** LIBRARY ▾ EVENTS & NEWS ▾ REGISTERS ▾ CAN WE HELP YOU? ▾

ERA > Applicants > Applications for vehicle (type) authorisations

Applications for vehicle (type) authorisations

Share Tweet in Share



APPLICANTS

Applications for single safety certificates

Applications for vehicle (type) authorisations

Applications for ERTMS approval

Legal framework

- Regulation (EU) 2020/698 of the European Parliament and of the Council of 25 May 2020 laying down specific and temporary measures in view of the COVID-19 outbreak
- Rail Relief Package
- [Commission Implementing Regulation \(EU\) 2019/250 of 12 February 2019 on the templates for 'EC' declarations and certificates for railway interoperability constituents and subsystems, on the model of declaration of conformity...](#)
- Commission Implementing Regulation (EU) 2018/867 of 13 June 2018 laying down the rules of procedure of the Board(s) of Appeal of the European Union Agency for Railways
- Commission Implementing Regulation (EU) 2018/764 of 2 May 2018 on the fees and charges payable to the European Union Agency for Railways and their conditions of payment
- Commission Implementing Regulation (EU) 2018/545 of 4 April 2018 establishing practical arrangements for the railway vehicle authorisation and railway vehicle type authorisation process

Related guidance

- Practical arrangements for the vehicle authorization process – Guidelines (3.11 MB)
- Practical arrangements for the vehicle authorization process – Guidelines (pdf exported from word version) (5.72 MB) [Other languages](#)
- Practical arrangements for the vehicle authorisation process - Guidelines - Annex XVIII flowcharts (high-res) (1.89 MB)
- Practical arrangements for the vehicle authorisation process - Examples (170.19 KB)

GOT A QUESTION? Visit our extensive FAQ knowledge base

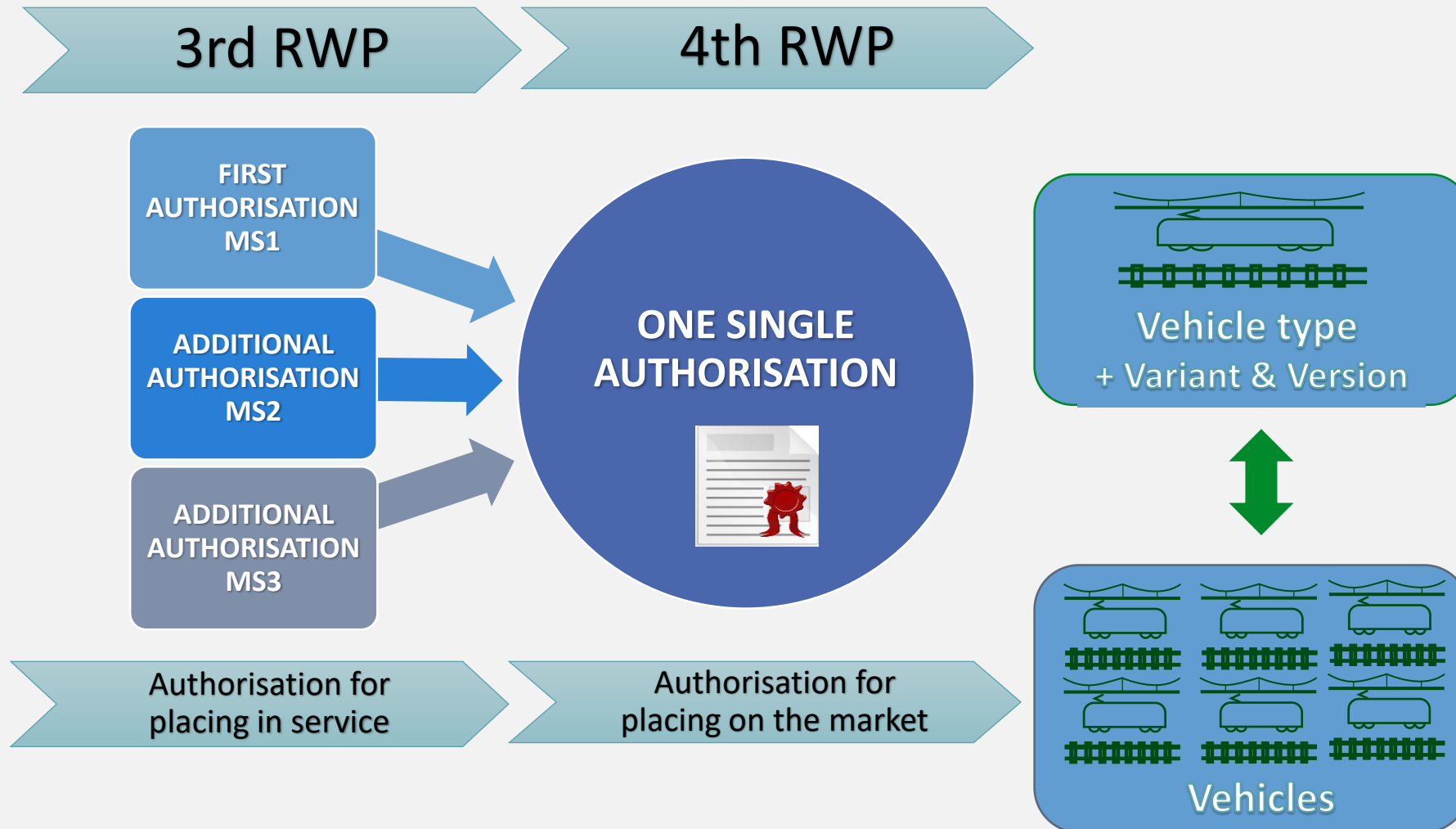
Related documents

Related links

Related documents

- OSS User Guide for Applicants (4.72 MB)
- Overview of applicable legal framework (VA) (247.9 KB)
- OSS Training guidelines (232.1 KB)
- ERA1209-001 Clarification about points 18.4 and 18.5 of Annex I of Regulation 2018-545.pdf (186.32 KB)
- ERA1209-003 Clarification about responsibilities for populating ERADIS (131.89 KB)
- ERA1209-006 Clarification about transitory measure for the uploading of EC Certificates and ISV information to ERADIS (225.16 KB)
- ERA1209-036 Clarification about applicability of phase A in LOCPAS and WAG TSI for extension of the area of use (139.17 KB)
- ERA1209-037 Clarification about the case to apply for changes (not extension) in the area of use (482.1 KB)
- ERA1209-063 Clarification note on safe integration (1.13 MB) [Other languages](#)

Key aspects of the 4RP: Single authorisation



Key aspects of the 4RP: Authorising entity

The authorising entity depends on the area of use

**Area of use = more than one Member State
ERA authorising entity, collaboration with NSAs**

**Area of use = one Member State
The applicant can choose the Agency or the NSA**



All requests addressed via the OSS

Key aspects of the 4RP: Main steps



Applicant submits request for VA to the **One-Stop-Shop**

- Specifying the area of use
- Including relevant documentation



ERA/NSA issues APOM (or communicate negative decision)

- Within 4 months from reception of complete documentation
- Following detailed rules established in Reg. (EU) 2018/545



Vehicle registration

RU checks, including:

- Route compatibility
- Proper integration in the train composition

⇒ No need of „additional authorisations“
if vehicle stays within area of use, conditions for use and restrictions

Overview of the Process



Stage 1 Preparation of the application



Stage 2 Pre-engagement



Stage 3 Conformity assessment



Stage 4 Submitting the application



Stage 5 Processing the application



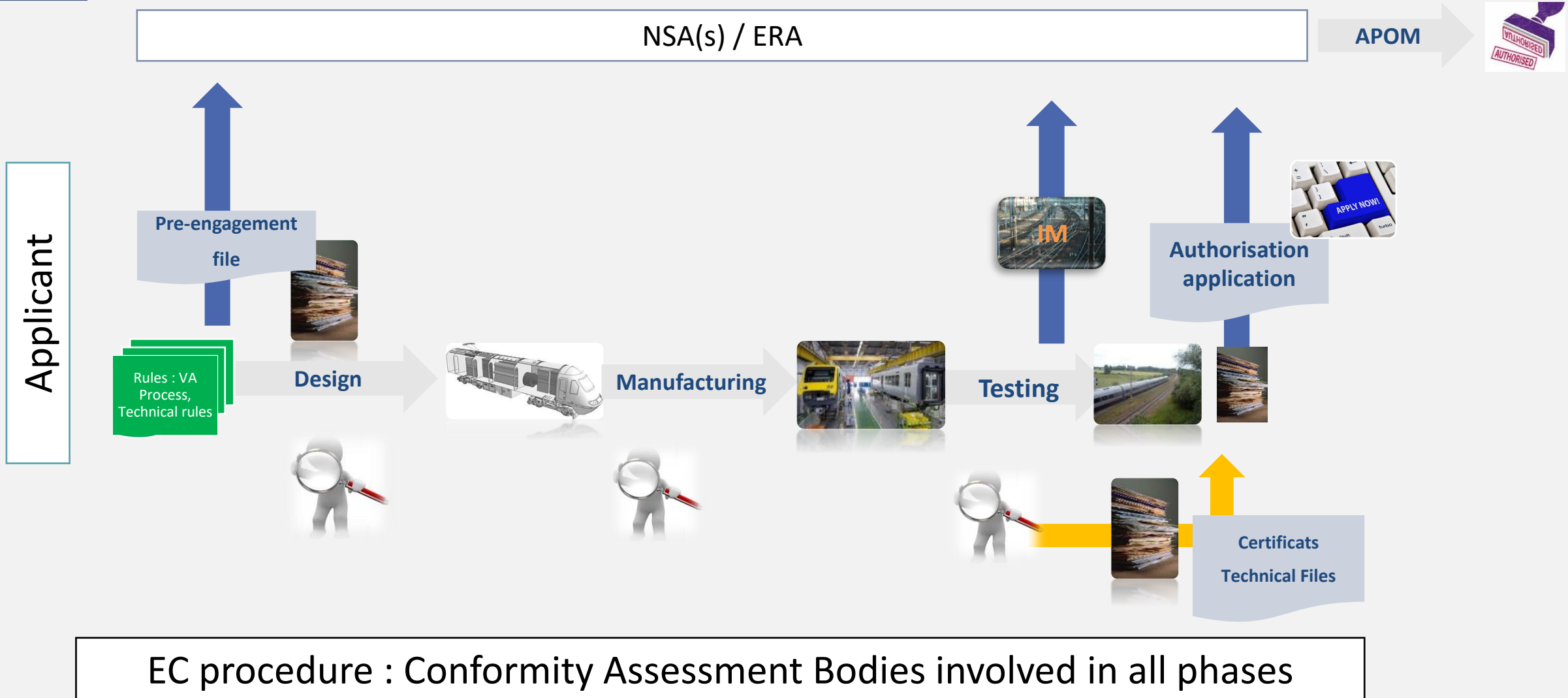
Stage 6 Final documentation



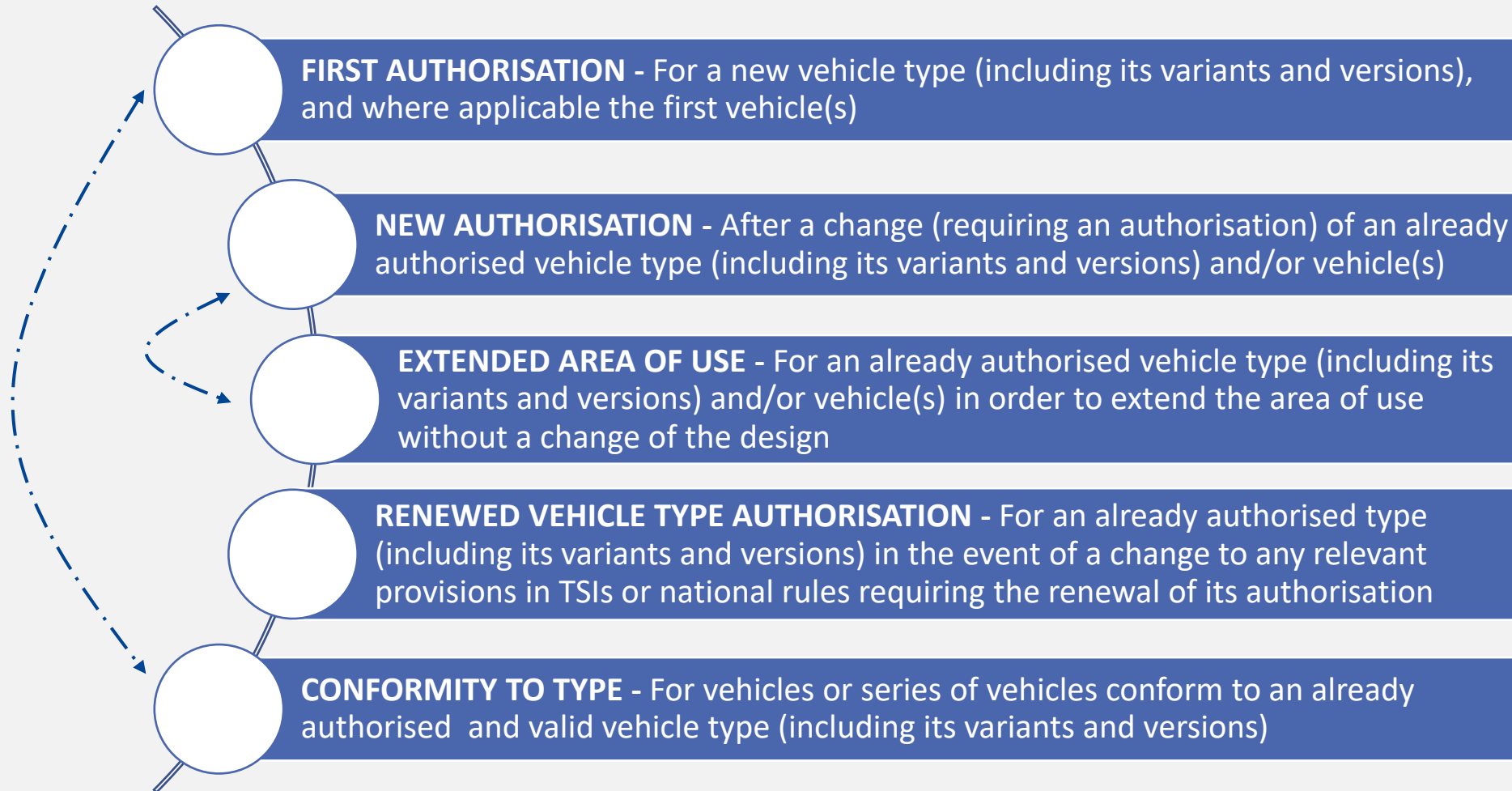
Suspension, revocation or amendment

EU HARMONISED PROCESS

Vehicle Authorisation overview



Authorisation cases



Autorisation for placing on the market of a tank-wagon

Directive (EU) 2016/797 ([EUR-Lex - 32016L0797 - EN - EUR-Lex](#))

Article 21 Vehicle authorisation for placing on the market

1. The applicant shall place a vehicle on the market only after having received the vehicle authorisation for placing on the market issued by the Agency in accordance with paragraphs 5 to 7 or by the national safety authority in accordance with paragraph 8.

COMMISSION IMPLEMENTING REGULATION (EU) 2018/545 of 4 April 2018 establishing practical arrangements for the railway vehicle authorisation and railway vehicle type authorisation process pursuant to Directive (EU) 2016/797 of the European Parliament and of the Council

([EUR-Lex - 32018R0545 - EN - EUR-Lex](#))

Supporting documents concerning EU Railways legislation for placing vehicle on the market:

- Joint Meeting RID/ADR/ADN (WP.15/AC.1) (19-29 September 2017)

Informal document 26 : [PDF](#)

- RID Standing Group (November 2020) : RID_CE_GTP_2020-[INF.5](#)

Technical file
Limits and Conditions for use

ERA NSA

APPLICANT

TDG CA InsBo

Interactions with dangerous goods legislation

Authorisation for placing on the market is not regulated by RID, only the certification and inspection of tanks are.

Once authorized in accordance with Directive (EU) 2016/797, taking into account the tank certificate, tank inspections of the tank-wagons can be operated in accordance with both railway legislation and RID operating requirements.

1.8.7.2.2.3 In the case of a **modification** of a product with a valid, expired or withdrawn type approval, the relevant type examination, testing, inspection and approval are limited to the parts of the product that have been modified.

The modification shall meet the provisions of RID applicable at the time of the modification. For all parts of the product not affected by the modification, the documentation of the initial type approval remains valid.

A **modification** may apply to one or more product(s) covered by the same type approval.

Where the modified product satisfies all applicable provisions, a supplementary approval certificate for the **modification** shall be issued to the owner or operator by the competent authority or inspection body of any RID Contracting State in conformity with Chapters 6.2 and 6.8. For tanks, battery-wagons or MEGCs, a copy shall be kept as part of the tank record.

RID 2023 edition establish a new concept of occasional 'entry in service verification' which is out of the scope of the authorisation but, if it is exercised, it should be in case of strong presumption of non-conformity to type.

As this verification would intervene after the tank-wagon authorization has been issued, it may lead to corrective actions (in case of negative results) affecting the authorization status.

1.8.7.5 Entry into service verification

1.8.7.5.1 If an entry into service verification is required by the competent authority under 6.8.1.5.5, the owner or operator shall engage a single inspection body to perform the entry into service verification and shall provide it with the type approval certificate and the technical documentation specified in 1.8.7.8.4.

The inspection body in charge of the entry into service verification shall, without delay, inform its competent authority of any refusal.²⁷

²⁷ In such a case the competent authority shall also inform the national safety authority (NSA) of the RID Contracting State concerned, which is also a Member State of the European Union, with the aim of evaluating the follow-up actions to be applied by the NSA in accordance with Article 26 of Directive (EU) 2016/797 on the "non-compliance of vehicles or vehicle types with essential requirements" and Article 7(4) of Implementing Regulation (EU) 2018/545 on the "sharing of information related to technical and operational matters relevant for the issuing of a vehicle type authorisation and/or vehicle authorisation for placing on the market".

In RID Contracting States which are also ATMF Contracting States but not Member States of the European Union, the competent authority shall also inform the competent authority in the meaning of Article 5 of the ATMF Uniform Rules, with the aim of evaluating the need for follow-up actions, in particular in accordance with Article 10a of the ATMF Uniform Rules concerning the non-compliance of vehicle or vehicle types and, where relevant, in accordance with Article 8a of the APTU Uniform Rules if deficiencies in the UTP are expected.

Tank certificate
Tank record

RID evidence for tank wagons

- **All certificates/declaration required by the applicable EU law shall be provided. Not all of them relate to the type, but to the individual elements. If the RID / ATP requires a certificate per wagon, this needs to be provided.**
- Authorisation C2T & RID certificates:
 1. Type certificate & first inspection certificate (per wagon) shall be in the file and shall be valid
 2. Inspection certificate for “entry into service” may be also available

Registers

- ERATV
- EVR
- ERADIS



Directive (EU) 2016/797 ([EUR-Lex - 32016L0797 - EN - EUR-Lex](#))

Article 22 Registration of vehicles authorised to be placed on the market

1. Before a vehicle is used for the first time, and after the authorisation to be placed on the market in accordance with Article 21 is granted, it shall be registered in a vehicle register as referred to in Article 47 at the request of the keeper.

COMMISSION IMPLEMENTING REGULATION (EU) 2018/545

Article 50 Registration in ERATV and ERADIS

1. The ERATV shall be completed by the authorising entity using the information provided by the applicant as part of the vehicle type authorisation application. The applicant shall be responsible for the integrity of the data provided to the authorising entity. The authorising entity shall be responsible for checking the consistency of the data provided by the applicant and making the ERATV entry available to the public.

2. The authorising entity shall ensure that the European Railway Agency Database of Interoperability and Safety ('ERADIS') has been updated as appropriate before delivering a vehicle type authorisation and/or vehicle authorisation for placing on the market

3. For modifications pursuant to Article 15(1)(c) and 15(3), the authorising entity shall register in ERATV the new version of a vehicle type or the new version of a vehicle type variant, using the information provided by the holder of the vehicle type authorisation. The holder of the vehicle type authorisation is responsible for the integrity of the data provided to the authorising entity. The authorising entity shall be responsible for checking the consistency of the data provided by the holder of the vehicle type authorisation and making the ERATV entry available to the public.

Pending the registration of the new version of a vehicle type or the new version of a vehicle type variant, the vehicles modified to be conforming to the new version may already be operated without delay.

Technical file
Limits and Conditions for use

ERA NSA

APPLICANT KEEPER

Interactions with dangerous goods legislation

The registration of tank-wagons is not regulated by RID.

However, the country of registration is mentioned for occasional tasks.

6.8.1.5.5 Entry into service verification according to 1.8.7.5

The competent authority of the country of first registration may require, on an occasional basis, an entry into service verification of the tank to verify conformity with the applicable requirements.¹

The c
first re
sional of
applic

When the country of registration of a tank-wagon is changed, the competent authority of the RID Contracting State to which the tank-wagon is transferred may require, on an occasional basis, an entry into service verification of the tank.

When contai
thority which
may r
try into

¹ For those tank-wagons that have received a vehicle authorization from the European Union Agency for Railways (ERA) in accordance with Article 21 of Directive (EU) 2016/797 and Commission Implementing Regulation (EU) 2018/545, this authorization shall be sufficient and no entry into service verification shall be required to confirm the conformity of the tank for the purpose of registering the tank-wagon in the National Vehicle Register (NVR).


Tank certificate
Tank record

| Aspect | EVR | ERATV | ERADIS | ECVVR |
|----------------------|-------------------------|--|--|---|
| Focus | Vehicles | Vehicle Types | Safety and interoperability data | Centralized access to national vehicle registers (NVRs) |
| Data Included | EVN, ECM, owner, keeper | Technical specifications, authorizations | Safety certificates, ECM certifications, EC declarations | Link to NVRs, Metadata about vehicles and operators |
| Primary Users | Operators, NSAs, ECMs | Manufacturers, NSAs, ERA | Regulatory authorities, conformity bodies | ERA and national registration bodies |

Key Differences

1. **EVR** focuses on individual vehicles.
2. **ERATV** focus on vehicle types.
3. **ERADIS** offers a broader database focusing on safety and interoperability oversight.
4. **ECVVR** connects national data but does not store it directly

- https://www.era.europa.eu/domains/registers/eratv_en



ERATV - European Register of Authorised Types of Vehicles


Log on Help English

Search ERATV Search **Advanced search**

Directive (EU) 2016/797

> ERATV > Welcome to ERATV - European Register of Authorised Types of Vehicles

Welcome to ERATV - European Register of Authorised Types of Vehicles

 Application guide
PDF, 66 KB



ERATV is established according to 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 and Commission Implementing Decision 2011/665/EU of 4 October 2011 on the European register of authorised types of railway vehicles.

The register is hosted and maintained by the European Railway Agency (ERA). It contains data on types of vehicle authorised by the Member States pursuant to Article 26 of Directive 2008/57/EC.

[View Registered Authorisations](#)

Messages

Disclaimer notice for data submitters in ERATV

Disclaimer notice for data submitters in ERATV: As providers of the submitted and published information in the European register of authorised types of railway vehicles you bear the full and sole responsibility for the information you submit for publication and for any consequences thereof, including the use of your information by other users. You represent and warrant that you have all the rights, power and authority necessary to provide any information that you submit and that you will only submit information in compliance with the specification of ERATV. The Agency will not be responsible or liable for any use of your information in accordance with the ERATV Terms of Use.

- https://www.era.europa.eu/domains/registers/evr_en

EUROPEAN VEHICLE REGISTER

Login Version 3.0.2
21/10/2024

Username

Password

Login →

[Ask for an EVR account](#) [Did you forget your password? ↶](#)

- https://www.era.europa.eu/domains/registers/ecvvr_en

Virtual Vehicle Register

Login

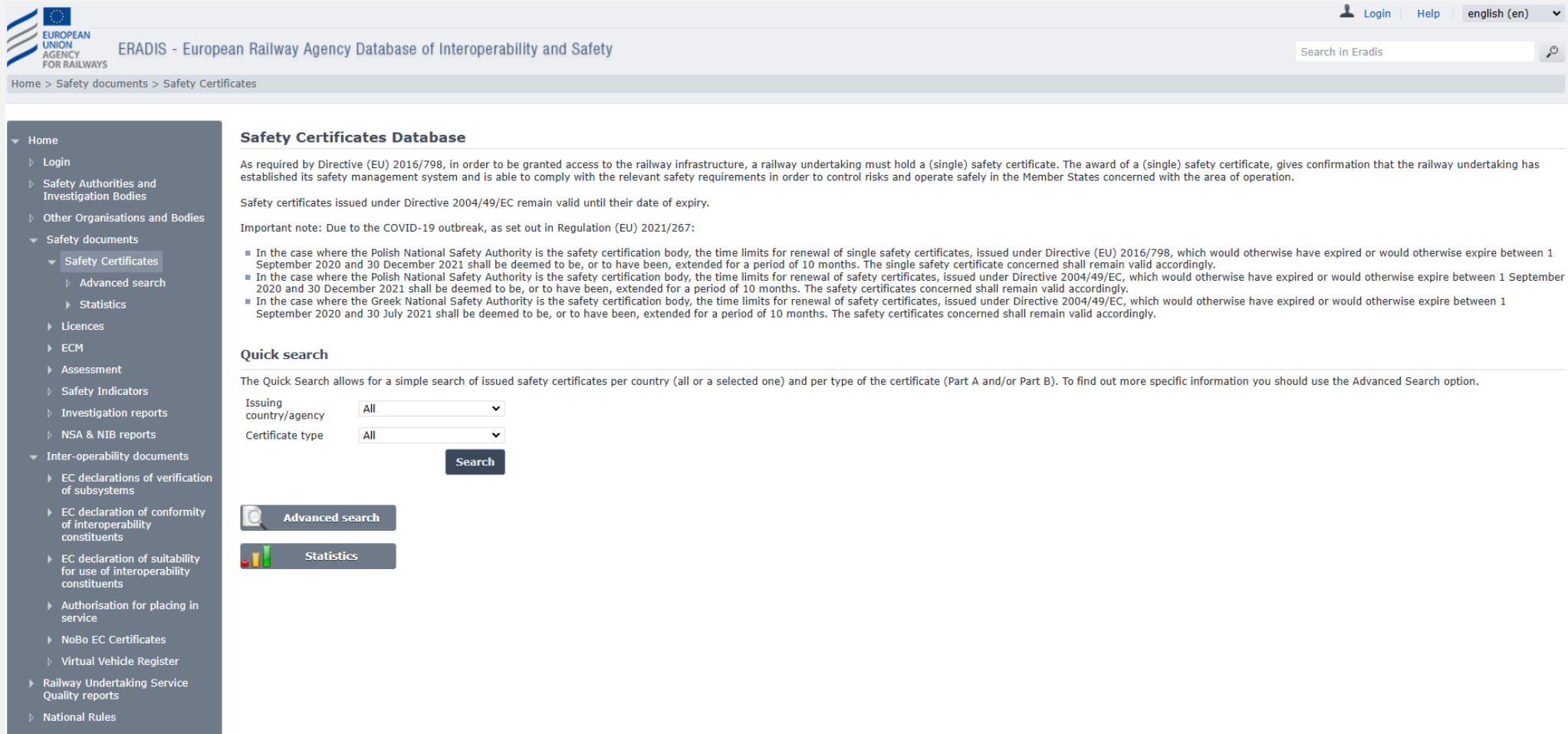
Username

Password

Login →

[Did you forget your password? ↶](#)

- https://eradis.era.europa.eu/safety_docs/scert/default.aspx



The screenshot shows the ERADIS website interface. At the top, there is a navigation bar with the ERADIS logo, the text "ERADIS - European Railway Agency Database of Interoperability and Safety", and a search bar. Below the navigation bar, there is a breadcrumb trail: "Home > Safety documents > Safety Certificates".

The main content area is titled "Safety Certificates Database". It contains the following text:

As required by Directive (EU) 2016/798, in order to be granted access to the railway infrastructure, a railway undertaking must hold a (single) safety certificate. The award of a (single) safety certificate, gives confirmation that the railway undertaking has established its safety management system and is able to comply with the relevant safety requirements in order to control risks and operate safely in the Member States concerned with the area of operation.

Safety certificates issued under Directive 2004/49/EC remain valid until their date of expiry.

Important note: Due to the COVID-19 outbreak, as set out in Regulation (EU) 2021/267:

- In the case where the Polish National Safety Authority is the safety certification body, the time limits for renewal of single safety certificates, issued under Directive (EU) 2016/798, which would otherwise have expired or would otherwise expire between 1 September 2020 and 30 December 2021 shall be deemed to be, or to have been, extended for a period of 10 months. The single safety certificate concerned shall remain valid accordingly.
- In the case where the Polish National Safety Authority is the safety certification body, the time limits for renewal of safety certificates, issued under Directive 2004/49/EC, which would otherwise have expired or would otherwise expire between 1 September 2020 and 30 December 2021 shall be deemed to be, or to have been, extended for a period of 10 months. The safety certificates concerned shall remain valid accordingly.
- In the case where the Greek National Safety Authority is the safety certification body, the time limits for renewal of safety certificates, issued under Directive 2004/49/EC, which would otherwise have expired or would otherwise expire between 1 September 2020 and 30 July 2021 shall be deemed to be, or to have been, extended for a period of 10 months. The safety certificates concerned shall remain valid accordingly.

Below the text, there is a "Quick search" section. It includes a description: "The Quick Search allows for a simple search of issued safety certificates per country (all or a selected one) and per type of the certificate (Part A and/or Part B). To find out more specific information you should use the Advanced Search option." There are two dropdown menus: "Issuing country/agency" and "Certificate type", both set to "All". A "Search" button is located below the dropdowns.

At the bottom of the quick search section, there are two buttons: "Advanced search" (with a magnifying glass icon) and "Statistics" (with a bar chart icon).

On the left side of the page, there is a navigation menu with the following items:

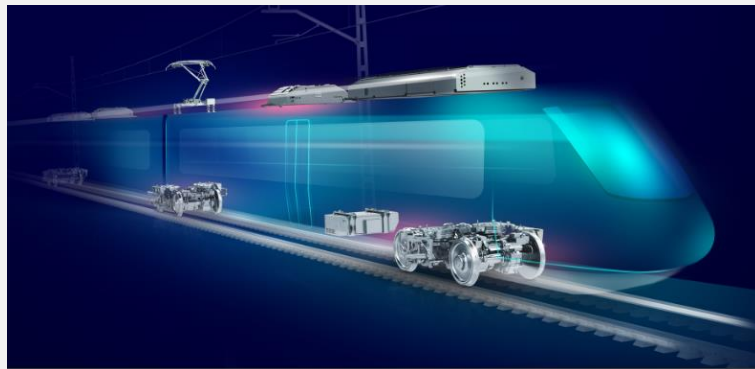
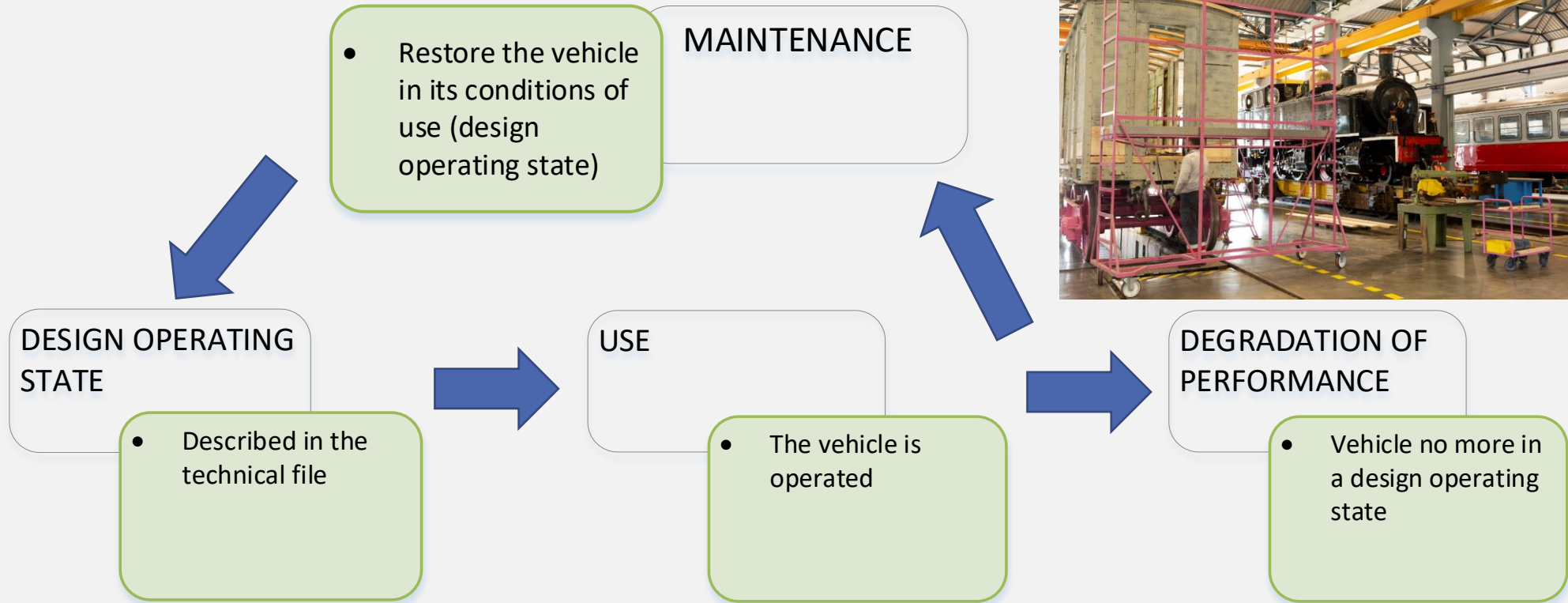
- Home
 - Login
 - Safety Authorities and Investigation Bodies
 - Other Organisations and Bodies
 - Safety documents
 - Safety Certificates**
 - Advanced search
 - Statistics
 - Licences
 - ECM
 - Assessment
 - Safety Indicators
 - Investigation reports
 - NSA & NIB reports
 - Inter-operability documents
 - EC declarations of verification of subsystems
 - EC declaration of conformity of interoperability constituents
 - EC declaration of suitability for use of interoperability constituents
 - Authorisation for placing in service
 - NoBo EC Certificates
 - Virtual Vehicle Register
 - Railway Undertaking Service Quality reports
 - National Rules

Entity in charge of maintenance

- Different railway stakeholders
- Maintenance of vehicles
- Regulation
- ECM structure
- ECM certification process



Maintenance of vehicles



Safety directive 2016/798

Article 14 Maintenance of vehicles

1. Each vehicle, before it is being used on the network, shall have an entity in charge of maintenance assigned to it and this entity shall be registered in the vehicle register in accordance with Article 47 of Directive (EU) 2016/797.

3. The maintenance system shall be composed of the following functions:

- (a) a management function
- (b) a maintenance development function
- (c) a fleet-maintenance management function
- (d) a maintenance delivery function

REGULATION (EU) 2019/779

Article 3 System of Certification

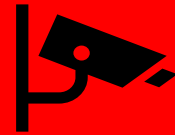
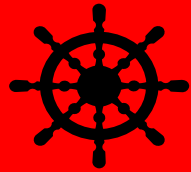
1. Without prejudice to Article 15(1) of Directive (EU) 2016/798, any entity in charge of maintenance shall satisfy the requirements of Annex II, in respect of all vehicles subject to Directive (EU) 2016/798.

4. Compliance with Annex II shall be demonstrated either through an ECM certification or, without prejudice to paragraph 2, in case of railway undertakings through the process of safety certification or in case of infrastructure managers through the process of safety authorisation.

Which types of vehicles ?



Maintenance management



Maintenance development



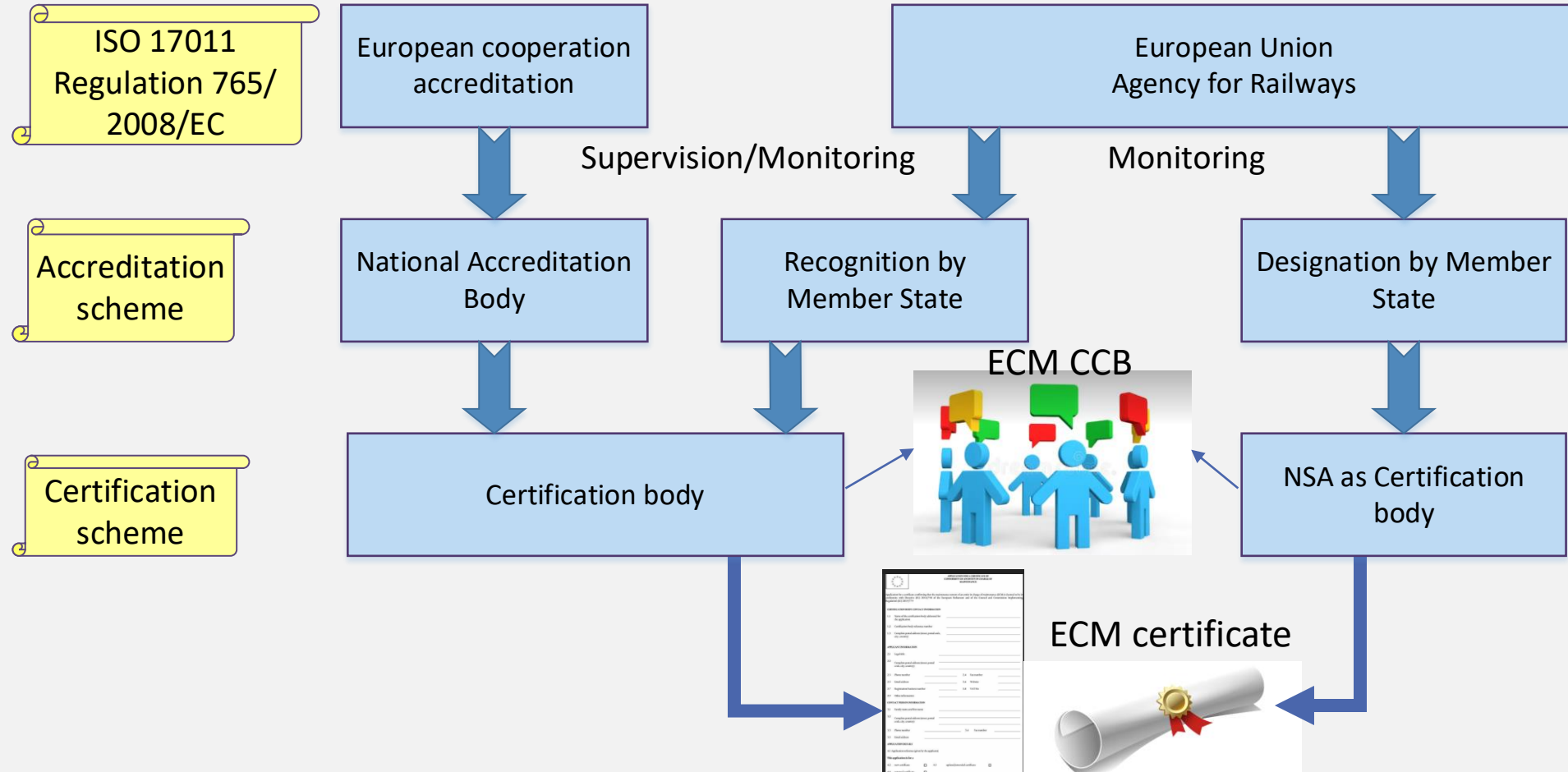
Fleet management



Maintenance delivery



ECM certification process



15) Maintenance of tank-wagons

Directive (EU) 2016/798 ([EUR-Lex - 32016L0798 - EN - EUR-Lex](#))

Article 14

1. Each vehicle, before it is being used on the network, shall have an entity in charge of maintenance assigned to it and this entity shall be registered in the vehicle register in accordance with Article 47 of Directive (EU) 2016/797.
2. Without prejudice to the responsibility of the railway undertakings and infrastructure managers for the safe operation of a train as provided for in Article 4, the entity in charge of maintenance shall ensure that the vehicles for the maintenance of which it is in charge are in a safe state of running. To that end, the entity in charge of maintenance shall establish a maintenance system for those vehicles and shall by means of that system:
4. In the case of freight wagons, and after the adoption of the implementing acts referred to in point (b) of paragraph 8 in the case of other vehicles, each entity in charge of maintenance shall be certified and be awarded an entity in charge of maintenance certificate (ECM certificate) by an accredited or recognised body or by a national safety authority in accordance with the following conditions:

COMMISSION IMPLEMENTING REGULATION (EU) 2019/779 of 16 May 2019 laying down detailed provisions on a system of certification of entities in charge of maintenance of vehicles pursuant to Directive (EU) 2016/798 of the European Parliament and of the Council and repealing Commission Regulation (EU) No 445/2011 ([EUR-Lex - 32019R0779 - EN - EUR-Lex](#))

Technical file
Limits and Conditions for use

ECM

Interactions with dangerous goods legislation

RID does not define maintenance requirements, but the applicable tanks design requirements. Once operated, taking into account the results of the tank inspections and checks, tank-wagons are maintained in accordance with Directive (EU) 2016/798 and Regulation (EU) 2019/779 (ECM Regulation)

In such case, the Entities in Charge of Maintenance (ECM) shall be certified for the maintenance of vehicles specialized for the carriage of dangerous goods.

6.8.2.4.5 The tests, inspections and checks in accordance with 6.8.2.4.1 to 6.8.2.4.4 shall be carried out by the expert approved by the competent authority. **Certificates shall be issued showing the results of these operations, even in the case of negative results.** These certificates shall refer to the list of the substances permitted for carriage in this tank or to the tank code and the alphanumeric codes of special provisions in accordance with 6.8.2.3. **A copy of these certificates shall be attached to the tank record of each tank, battery-wagon or MEGC tested (see 4.3.2.1.7).**

RID 2023

6.8.2.4.5 Amend the first sub-paragraph to read as follows:

"Certificates shall be issued by the inspection body referred to in 6.8.1.5.4 or 6.8.1.5.6 and shall show the results of the inspections in accordance with 6.8.2.4.1 to 6.8.2.4.4, even in the case of negative results. These certificates shall refer to the list of the substances permitted for carriage in this tank or to the tank code and the alphanumeric codes of special provisions in accordance with 6.8.2.3.2."

Tank certificate
Tank record

InsBo

WAGONS FOR DANGEROUS GOODS

You are an ECM dealing with wagons transporting dangerous goods; some requirements shall be taken into account during the certification process.

Additional requirements for ECM, dealing with wagons transporting dangerous goods

- Competence management in Dangerous Goods as required in RID Chapter 1.3
- Maintenance system for tanks based on legal requirements (RID, Type approval) and return of experience
- Information management with RU and others e.g. customer/operator regarding checks between mandatory RID-inspections as defined in GCU Annex 9 or suggested in RID 1.4.3.3 a
- Documentation system regarding tank file as required in RID 4.3.2.1.7

Only for ECM-F4 (Maintenance Delivery)

- Competence management system in Dangerous goods (RID Chapter 1.3)
- Qualification for welding of tanks acc. RID 6.8.2.1.23
- Particular proceedings/equipment related to this substances
- Occupational health and safety processes with regard to Dangerous Goods

DOMAINS > Trains > Certification of Entities in Charge of Maintenance

Certification of Entities in Charge of Maintenance

Page content

[Related guidance](#)

[Legal framework](#)

[Related documents](#)

An Entity in Charge of Maintenance (ECM) plays an important safety role in the European railway system by ensuring that the vehicles for which it is in charge are in a safe state of running by means of a system of maintenance.

This European system of certification for ECMs has been set up in Regulation 2019/779.

This regulation sets out:

- The criteria to be applied for the accreditation or recognition of ECM's and maintenance functions' certification bodies;
- The requirements and assessment criteria applicable for the certification of ECMs and the certification of maintenance functions.

The system of certification provides evidence of responsibility and traceability of the maintenance undertaken on vehicles. It sets out also a certification process that ensures a transparent and structured management system for maintenance functions described in article 14(3) of Directive (EU) 2016/798 and will help to reduce the burden and duplication of controls and/or audits across the rail sector.

Driving these certification processes, mandatory certification scheme for ECMs and maintenance functions is available for the sector and form the reference to conduct the certification activities.

ERA publishes the list of accredited and recognised certification bodies, as well as the ECM certificates in the [ERADIS database](#).

Related guidance



Guidance on ECM certification process

English (4.35 MB - PDF)

[View document](#)



Guidance for entities in charge of maintenance for the use of SAIT

English (1.06 MB - PDF)

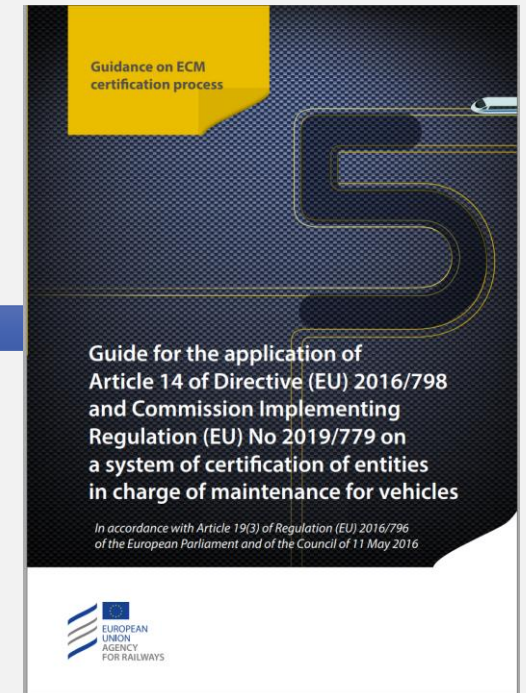
[View document](#)

Legal framework

[Commission Implementing Regulation \(EU\) 2019/779 of 16 May 2019 laying down det...](#)

[ERA 1172/002 V3.1 : Sectorial scheme for accreditation and recognition of ECM c...](#)

[ERA 1172/003 V1.1 : Certification scheme for ECM and outsourced maintenance fun...](#)





THANK YOU

Moving Europe towards a sustainable and safe railway system without frontiers.

Follow us:



in

