

EVR Vehicle registration export

Document History

<i>Version</i>	<i>Date</i>	<i>Comments</i>
1.0	23/09/2019	Initial draft version presented to the EVR G Taskforce
2.0	09/12/2020	Updated version (unified VehicleInfo.xsd 2.0)

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1 Purpose

This document describes the export vehicle registration functionality in EVR, in accordance with Commission Implementing Decision (EU) 2018/1614 (EVR Decision), Article 6(3): “*Each registration entity shall be able to extract data of their recorded vehicle registrations*”.

1.1 Description of the update

This updated version of the document simplifies the export in order to make it easier to be implemented, maintained and extended for future proof changes, in order to help to reduce ongoing and future development and maintenance costs.

Version 2.0 of the present document revises the VehicleInfo object model and respective XSD schema definition to cover both the functionalities of displaying a vehicle’s details and of exporting to XML. This enforces consistency between exported XML documents of Vehicle Information data and Vehicle Information details document views.

VehicleInfo version 2.0 XSD definition has been enhanced to cover both Decision (EU) 2018/1614 and Decision 2007/756/EC based Vehicle Information data, which simplifies the consumption and promotes the consistent handling of respective data by client systems, while also easing the transition of Vehicle Information data models to the latest specifications.

2 Scope

The document presents the high level view of the export vehicle registration in EVR. It considers the export of registered vehicles in ECVVR and migrated to EVR (with the parameters' list as in the NVR Decision (Decision 2007/756/EC) and vehicles registered with the parameters' list of the EVR Decision.

Exported XML files have an associated XSD schema (*VehicleInfo.xsd*) file that is the XSD schema to validate the file.

3 Intended Audience

The document is intended for the following stakeholders:

- Registration Entities (REs).
- ERA EVR Project Team.

4 Export process

Registration entities have the possibility to export their vehicle registrations from the user interface of the web application. The result of the export will not become immediately available to the RE user, instead a batch job will be scheduled for execution during out of office hours. When the batch job will finish successfully, the user will receive an email with a link to sign in to EVR and to download the archived (ZIP format) set of XML files corresponding to the exported vehicle registrations.

For each vehicle registration the system will produce one XML file. The XML file will be compliant to VehicleInfo.xsd either when the registration was done based on the NVR Decision (ECVVR), or based on the EVR Decision.

5 Attached files

- VehicleInfo_2.0.xsd

6 VehicleInfo XSD schema

VehicleInfo xml schema is used by EVR to define the exported XML for a vehicle's details. Below you can find its description in xsd format.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  targetNamespace="http://www.era.europa.eu/EC-VVR/Vehicle/Query/1.0"
  xmlns="http://www.era.europa.eu/EC-VVR/Vehicle/Query/1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  version="2.0"
  elementFormDefault="qualified"
  >

  <!-- Main element options -->

  <xs:element name="VehicleInfo" type="VehicleInfo"/>
  <xs:element name="VehiclesInfo" type="VehiclesInfo"/>

  <!-- Main Types -->

  <xs:complexType name="VehiclesInfo">
    <xs:sequence>
      <xs:element name="VehicleInfo" type="VehicleInfo" minOccurs="0" maxOccurs="unbounded"/> <!-- zero or more items -->
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="VehicleInfo">
    <xs:all>
      <xs:element name="TimestampUTC" type="xs:dateTime" nillable="true"/> <!-- XML timestamp (UTC time) -->

      <xs:element name="Regime" type="Regime"/>

      <xs:element name="EVN" type="xs:string"/>
      <xs:element name="PreviousEVN" type="xs:string"/>

      <xs:element name="MemberStateOfRegistration" type="xs:string" minOccurs="0"/>
    > <!-- Decision (EU) 2018/1614 -->
      <xs:element name="NSACountry" type="xs:string" minOccurs="0"/> <!-- Decision 2007/756/EC -->

      <xs:element name="ResultingAreaOfUse" type="xs:string"/> <!-- Decision (EU) 2018/1614 -->

      <xs:element name="AdditionalConditionsApplicable" type="xs:string" minOccurs="0"/> <!-- Decision (EU) 2018/1614 -->

      <!-- Manufacturing -->
      <xs:element name="ManufacturingYear" type="xs:integer"/>
      <xs:element name="ManufacturingSerialNumber" type="xs:string" minOccurs="0"/>
    > <!-- Decision (EU) 2018/1614 -->
      <xs:element name="EraTvReference" type="xs:string"/>
      <xs:element name="EraTvWebAddress" type="xs:string" minOccurs="0"/> <!-- Decision 2007/756/EC -->
      <xs:element name="Series" type="xs:string"/>
    </xs:all>
  </xs:complexType>
</xs:schema>
```



```

    <xs:element name="ECDeclarationOfVerification" type="ECDeclarationOfVerifica
tion" minOccurs="0"/> <!-- Decision (EU) 2018/1614 -->
    <xs:element name="ECIssuingBodyInformation" type="ECDeclarationInformation"
minOccurs="0"/> <!-- Decision 2007/756/EC -->

    <xs:element name="OwnerInformation" type="OrganisationInformation"/>
    <xs:element name="KeeperInformation" type="KeeperInformation"/>
    <!--
Entity in Charge of Maintenance (Decision (EU) 2018/1614) / Maintenance Entity (D
ecision 2007/756/EC) information -->
    <xs:element name="ECMInformation" type="OrganisationInformation"/>

    <!--
Registration Status (Decision (EU) 2018/1614) / Withdrawal (Decision 2007/756/EC)
information -->
    <xs:element name="RegistrationStatusInformation" type="RegistrationStatusInf
ormation" minOccurs="0"/> <!-- Decision (EU) 2018/1614 -->
    <xs:element name="WithdrawalInformation" type="WithdrawalInformation" minOcc
urs="0"/> <!-- Decision 2007/756/EC -->

    <!-- Authorisations -->
    <xs:element name="Authorisation" type="Authorisation"/>
    <xs:element name="AdditionalAuthorisations" type="AdditionalAuthorisations"
minOccurs="0"/>

    <xs:element name="AdditionalFields" type="AdditionalFields" minOccurs="0"/>
<!-- Decision (EU) 2018/1614 -->

    <xs:element name="PreviousVehicleState" type="VehicleInfo" minOccurs="0"/>
</xs:all>
</xs:complexType>

<!-- Regime -->

<xs:simpleType name="Regime">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Decision 2007/756/EC"/>
    <xs:enumeration value="Decision (EU) 2018/1614"/>
  </xs:restriction>
</xs:simpleType>

<!-- OrganisationInformation -->

<xs:complexType name="ECDeclarationOfVerification"> <!--
Decision (EU) 2018/1614 -->
  <xs:annotation>
    <xs:appinfo>Decision (EU) 2018/1614</xs:appinfo>
  </xs:annotation>
  <xs:all>
    <xs:element name="RollingStock" type="ECDeclarationInformation" minOccurs="0
"/>
    <xs:element name="OnBoardCCS" type="ECDeclarationInformation" minOccurs="0"/
>
  </xs:all>
</xs:complexType>

<xs:complexType name="KeeperInformation">
  <xs:complexContent>
    <xs:extension base="OrganisationInformation">
      <xs:sequence>

```

```

        <xs:element name="VKM" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="ECDeclarationInformation">
  <xs:complexContent>
    <xs:extension base="OrganisationInformation">
      <xs:sequence>
        <xs:element name="ECDeclarationDate" type="xs:dateTime" nillable="true"/
>
        <xs:element name="ECDeclarationReference" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:complexType name="OrganisationInformation">
  <xs:sequence>
    <xs:element name="OrganisationName" type="xs:string"/>
    <xs:element name="RegisteredBusinessNumber" type="xs:string"/>
    <xs:element name="StreetAndNumber" type="xs:string"/>
    <xs:element name="Town" type="xs:string"/>
    <xs:element name="CountryCode" type="xs:string"/>
    <xs:element name="ZipCode" type="xs:string"/>
    <xs:element name="Email" type="xs:string"/> <!--
Decision (EU) 2018/1614: added to OwnerInformation, KeeperInformation, ECMIInforma
tion -->
    <xs:element name="OrganisationCode" type="xs:string"/> <!--
Decision (EU) 2018/1614: added to OwnerInformation, KeeperInformation, ECMIInforma
tion -->
  </xs:sequence>
</xs:complexType>

<!-- RegistrationStatus / Withdrawal information -->

<xs:complexType name="RegistrationStatusInformation"> <!--
Decision (EU) 2018/1614 -->
  <xs:annotation>
    <xs:appinfo>Decision (EU) 2018/1614</xs:appinfo>
  </xs:annotation>
  <xs:all>
    <xs:element name="RegistrationStatus" type="xs:string"/>
    <xs:element name="RegistrationStatusDate" type="xs:dateTime" nillable="true"
/>
    <xs:element name="RegistrationStatusReason" type="xs:string"/>
  </xs:all>
</xs:complexType>

<xs:complexType name="WithdrawalInformation"> <!-- Decision 2007/756/EC -->
  <xs:annotation>
    <xs:appinfo>Decision 2007/756/EC</xs:appinfo>
  </xs:annotation>
  <xs:all>
    <xs:element name="WithdrawalMode" type="xs:string"/>
    <xs:element name="WithdrawalDate" type="xs:dateTime" nillable="true"/>
  </xs:all>
</xs:complexType>

```

```
<!-- Authorisations -->

<xs:complexType name="Authorisation">
  <xs:sequence>
    <xs:element name="EIN" type="xs:string"/>

    <xs:element name="AuthorisedCountries" type="xs:string"/>

    <xs:element name="Date" type="xs:dateTime" nillable="true"/>
    <xs:element name="ExpirationDate" type="xs:dateTime" nillable="true"/>

    <!-- Suspension -->
    <xs:element name="SuspensionDate" type="xs:dateTime" nillable="true"/> <!--
Decision (EU) 2018/1614 -->
    <xs:element name="IsSuspended" type="xs:boolean" nillable="true"/> <!--
Decision 2007/756/EC -->

    <xs:element name="RevocationDate" type="xs:dateTime" nillable="true"/> <!--
Decision (EU) 2018/1614 -->

    <xs:element name="AreaOfUse" type="xs:string" minOccurs="0"/> <!--
Decision (EU) 2018/1614 -->

    <xs:element name="CodedRestrictions" type="xs:string" minOccurs="0"/>
    <xs:element name="NonCodedRestrictions" type="NonCodedRestrictions" minOccurs="0"/>

    <xs:element name="AuthorisingEntityName" type="xs:string" minOccurs="0"/>
    <xs:element name="AuthorisingEntityCountryCode" type="xs:string"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="AdditionalAuthorisations">
  <xs:sequence>
    <xs:element name="Authorisation" type="Authorisation" minOccurs="0" maxOccurs="unbounded"/> <!-- zero or more items -->
  </xs:sequence>
</xs:complexType>

<!-- NonCodedRestrictions -->

<xs:complexType name="NonCodedRestrictions">
  <xs:sequence>
    <xs:element name="NonCodedRestriction" type="xs:string" minOccurs="0" maxOccurs="unbounded"/> <!-- zero or more items -->
  </xs:sequence>
</xs:complexType>

<!-- AdditionalFields -->

<xs:complexType name="AdditionalFields"> <!-- Decision (EU) 2018/1614 -->
  <xs:annotation>
    <xs:appinfo>Decision (EU) 2018/1614</xs:appinfo>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="AdditionalField" type="AdditionalField" minOccurs="0" maxOccurs="unbounded"/> <!-- zero or more items -->
  </xs:sequence>
</xs:complexType>
```

```
<xs:complexType name="AdditionalField"> <!-- Decision (EU) 2018/1614 -->
  <xs:annotation>
    <xs:appinfo>Decision (EU) 2018/1614</xs:appinfo>
  </xs:annotation>
  <xs:attribute name="Name" type="xs:string" use="required"/>
  <xs:attribute name="Value" type="xs:string" use="required"/>
</xs:complexType>

</xs:schema>
```