

Accompanying documentation to the declaration of compliance (self-declaration) with the Delegated Regulation (EU) 2015/962

Template information

Version	Date	Description/Change	Author and Organisation
1	20.02.2023	First draft version	Patricia Pumpler (AustriaTech)
2	23.11.2023	Final draft	Miriam Lindsberger (AustriaTech)
3	04.12.2024	Updated version	Celina Kiene/Anton Rauchmann (AustriaTech)

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Version	Date	Description/Change

Preface

This document provides additional documentation to the declaration of compliance (self-declaration) with the Delegated Regulation (EU) 2015/962 of the European Commission with regard to data and procedures for the provision, where possible, of EU-wide real-time traffic information services (Priority Action B, **RTTI**).

The additional documentation shall serve as a basis for the compliance assessment carried out by the national body. Therefore, this document also identifies compliant datasets, the level of compliance and identifies attached machine-readable files. **If existing organisational documents provide answers or information to requested topics, please add them to the Annex and refer to them in the relevant chapter.**

The declaration of compliance is provided per delegated regulation - i.e. for all RTTI data sets only one self-declaration is necessary. The accompanying documents should be up-to-date, in case of a Compliance Assessment, and a new version should be submitted, if there have been any changes.

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Terms and Definitions

Data set	A logical set of data elements selected by semantic relation. A data set contains the traffic or travel data which are provided by the data owner and could be subscribed to by a user. It can be accessed as a downloadable file or as an API that serves for the provision of the traffic related information content ¹ .
Distribution interface	A technical machine to machine interface through which the data can be retrieved or a service could be consumed.
Model	A representation of an entity from which the important elements have been abstracted by removing unimportant detail while at the same time retaining the interrelationship between the key elements of the whole. ²
Format	A description of data structure for transferring some kind of information.
Format specification	A documentation of format used for the referenced data set including concepts, schemas, samples.
Protocol	A description of data transfer process and rules
Protocol specification	A documentation of protocol used for distribution of the referenced data set including concepts.
National body	An entity that is nominated by memberstate to assess the compliance of the data published at National Access Point with regards the obligation stipulated by individual Delegated regulations to the ITS Directive. Often referred to as Nominated body or National Authority.

¹ the data set might be distributed also by other means to reach wider audience (relevant for RTTI) e.g. web based map application, radio broadcast etc.

² DATEX II model is a class model for describing information related to the road traffic. The model in form of UML is platform independent. Platform specific model is in XML

Provider information

Main trading entity	Hrvatske ceste d.o.o. (Croatian roads Ltd)
Address (seat)	Vončinina 3, 10 000 Zagreb
Contact person	Irena Čačić
Email address	irena.cacic@hrvatske-ceste.hr
Link to organisation website	Hrvatske Ceste (hrvatske-ceste.hr)
RTTI Link to information at NAP	https://www.promet-info.hr/hr/datasets
Distribution interface (e.g. website, app, data, link, ...)	Website and app

List of data sets

Please list the data publications with EU-wide real-time traffic information services, for which the self-declaration applies, by their official name on NAP and a link to the data set on NAP. (DS = Data set)		
Reference	Data set	Link to NAP
DS1	HC public roads network WFS	https://www.promet-info.hr/hr/datasets_details?id=f09ec0c5-4a02-4c21-b17a-091e20db9b22
DS2	HC Incidents DatexII	https://www.promet-info.hr/en/datasets_details?id=5c1fcbb8-4cfe-053d-9f4a-362bc97b5055
DS3	HC Incidents DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=e34d01bf-bf93-473a-b7c6-7feb0d01d4c6
DS4	HC Roadworks DatexII	https://www.promet-info.hr/en/datasets_details?id=81816d4c-4626-1b12-2171-c321a66c45a7
DS5	HC Roadworks DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=d426f166-b066-410c-b80a-ba417f9550b8
DS6	HC Traffic counters (locations) DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=301c1bd3-38e4-417b-b15d-f4dfa9953c5e
DS7	HC Traffic counters (status) DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=5d20debff-fcec-4104-9fde-ddc4bec4a5eb
DS8	HC Weather DatexII	https://www.promet-info.hr/hr/datasets_details?id=87002d6e-b4bc-434e-a53a-31454fb0697a
DS9	HC Weather DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=f6928110-b2fa-4cc6-a890-982c90a3ac18
DS10	HC Wind DatexII	https://www.promet-info.hr/hr/datasets_details?id=6ffec675-da85-48b4-a30f-22416160db80
DS11	HC Wind DatexII v3	https://www.promet-info.hr/hr/datasets_details?id=22cf8287-1fd9-4b26-971d-557b6d475c8d

Data Format

Please list the RTTI publications on NAP with a link to the respective format specification and the model if applicable.		
Reference	Link to/or description of format specification, e.g. DatexII.eur/Forum	Format, e.g. DATEXII – version 3
DS1	Web Feature Service - Open Geospatial Consortium (ogc.org)	WFS
DS2	Datex II (datex2.eu)	DATEXII – version 2
DS3	Datex II (datex2.eu)	DATEXII – version 3
DS4	Datex II (datex2.eu)	DATEXII – version 2
DS5	Datex II (datex2.eu)	DATEXII – version 3
DS6	Datex II (datex2.eu)	DATEXII – version 3
DS7	Datex II (datex2.eu)	DATEXII – version 3
DS8	Datex II (datex2.eu)	DATEXII – version 2
DS9	Datex II (datex2.eu)	DATEXII – version 3
DS10	Datex II (datex2.eu)	DATEXII – version 2
DS11	Datex II (datex2.eu)	DATEXII – version 3
...		
Please list the RTTI publications on NAP and the link to the respective protocol specification and a link to the interface if applicable.		
Reference	Link to/ or description of protocol specification, e.g. REST/Download	Interface/method, e.g. HTTPS
DS1	Croatian road network (SHP) https://b2b.promet-info.hr/dc/b2b.hc.road-network.shp	HTTP HTTPS
DS2	HC Incidents DatexII https://b2b.promet-info.hr/dc/b2b.hc.events.datex	HTTP HTTPS
DS3	HC Incidents DatexII v3 https://b2b.promet-info.hr/dc/b2b.hc.events.datex3	HTTP HTTPS
DS4	HC Roadworks DatexII https://b2b.promet-info.hr/dc/b2b.hak.roadworks.datex	HTTP HTTPS
DS5	HC Roadworks DatexII v3 https://b2b.promet-info.hr/dc/b2b.hc.roadworks.datex3	HTTP HTTPS
DS6	HC Traffic counters (locations) DatexII v3 https://b2b.promet-info.hr/dc/b2b.counters.datexii34.locations	HTTP HTTPS
DS7	HC Traffic counters (status) DatexII v3 https://b2b.promet-info.hr/dc/b2b.counters.datexii34	HTTP HTTPS
DS8	HC Weather DatexII https://b2b.promet-info.hr/dc/b2b.weather.datex	HTTP HTTPS
DS9	HC Weather DatexII v3 https://b2b.promet-info.hr/dc/b2b.weather.datexii34	HTTP HTTPS

DS10	HC Wind DatexII https://b2b.promet-info.hr/dc/b2b.wind.datex	HTTP HTTPS
DS11	HC Wind DatexII v3 https://b2b.promet-info.hr/dc/b2b.wind.datexii34	HTTP HTTPS
...		

If format and/or protocol specification is not applicable, please describe the technical set-up of the data set / service (what data is used and how is it presented):

License Terms

For road authorities and road operators:

Please explain how the provided data and the corresponding metadata, including information on the quality, is accessible for exchange and re-use by any digital map producer or service provider within the Union on a non-discriminatory basis [art. 4.2, 5.2, 6.2].

All data provided by Croatian Roads Ltd is available to all users without any restrictions and on a nondiscriminatory basis under the Open License. [Otvorena dozvola ENG.pdf \(promet-info.hr\)](#)

Process description

For road authorities and road operators:

Please explain if the provided data is accessible within a time-frame that ensures the timely provision of the real time traffic information service [art. 4.2, 5.2].

Yes, all the data available is accessible within a time frame (ten working days) that ensures the timely provision of the real-time traffic information service depending on the data category.

For road authorities, road operators, map producers and service providers:

Please explain how your organisation collaborates with other road authorities, road operators, digital map producers and service providers in order to ensure that any inaccuracies related to static road data are signalled without delay to the road authorities and road operators from which the data originates [art. 4.2].

The static data has been regularly verified and is up-to-date since its publication on NAP. Croatian Roads Ltd. is responsible for maintaining the road database for the entire road network of the Republic of Croatia. The road authorities in charge of motorways and regional roads are required to submit their data to Croatian Roads Ltd.

The static data for the entire road network is updated regularly, at least once a year on average. In case of identifying any errors in this type of data, we will contact the relevant office within the organization responsible for them to make the necessary corrections as soon as possible.

For service providers:

Please explain how your organisation takes traffic circulation plans developed by the competent authorities into account when using static road data [art. 4.3].

For service providers:

Please explain how your organisation takes into account, as far as possible, any temporary traffic management measures taken by the competent authorities while using dynamic road status data [art. 5.3].

For road authorities, road operators, service providers: Please explain how you base real-time traffic information services on updates of static road data, dynamic road status data and traffic data. Are the services based on a combination thereof [art. 7]?
The static data is typically updated at least once a year but can be updated more frequently if needed. In addition to static data, dynamic and traffic data are updated via the API interface using the PULL principle. Each type of data has a specific refresh rate, ranging from 1 minute to 1 hour.
For road authorities, road operators, service providers: Please explain if the data is regularly updated by your organisation in accordance with the requirements set out in Articles 8 to 10 [art. 7].
Yes, the data is regularly updated by our organisation.
For road authorities, road operators, service providers: Please explain if you, in a timely manner, correct any inaccuracies detected in your data or signalled to you by any user and end-users [art. 7].
Yes, we address any inaccuracies within a specified timeframe. Simple inaccuracies can be corrected within 10 working days, while more complex inaccuracies within the data may take longer, up to 3 months.
For road authorities and road operators: Please explain how you ensure that updates of static road data includes mandatory parameters [art. 8.1].
Croatian Roads Ltd is responsible for managing the road database for the entire road network of the Republic of Croatia. They comply with national legislation for this purpose.
For road authorities and road operators: Please explain how you ensure the timely update of static road data and, where known and possible, how you provide updates to users in advance [art. 8.2.].
Changes to the existing road database are usually published several times a year on the official website of the public information agency, based on the needs.
For digital map producers and service providers: Do you process static road data in such a way that the information can be made available to end users without delay? What ensures that the updates are processed in a timely manner [art. 8.3]?
For road authorities and road operators: Please explain how you ensure that updates of dynamic road status data includes mandatory parameters [art. 9.1].
All the dynamic road status data are collected via API based interface, with a refresh rate of a maximum of 1 minute as stated in Metadata.
For road authorities and road operators: Please explain how you ensure the timely update of dynamic road status data and, where known and possible, provide these updates in advance [art. 9.2].

All the dynamic road status data are collected via API based interface, with a refresh rate of a maximum of 1 minute as stated in Metadata. When known and possible, we provide the information on road closures, lane closures, bridge closures, roadworks, dynamic speed limits, direction of travel on reversible lanes.

For road operators and service providers:

Please explain how you modify or withdraw the real-time traffic information as soon as possible after the status of the dynamic road status data and traffic data concerned has changed [art. 9.3, 10.2].

The real-time information is retrieved from the feed as soon as it becomes available through an API-based interface, just as it is published.

For service providers:

Please explain how you ensure that traffic data updates are processed in a timely manner in order to make the information accessible to end-users without delay [art. 10.3].

Service description

For road authorities, road operators, digital map producers and service providers:

Please describe the road and traffic data, digital map or real-time traffic information services you provide as well as the information on the quality thereof and the conditions of re-use of these data [art. 11.2].

Static road data contains the following data: geometry and road classification following the Annex.

Dynamic data includes the following information: road closures, lane closures, bridge closures, roadworks, accidents and incidents, poor road conditions, temporary traffic management measures and weather conditions affecting road surface and visibility.

Traffic data includes the following data: traffic volume and speed.

We do not yet have a fully developed conformity assessment system.

Do you include the following parameters in updates of static road data [8.1]?

- (a) the type of static road data
- (b) the location of the condition
- (c) the type of update (modification, insertion, deletion)
- (d) the description of the update
- (e) the date on which the data has been updated
- (f) the date and time when the change in a given condition has occurred or is planned to occur
- (g) the quality of the data update

Please explain the location referencing method you use to determine the location.

Most of the parameters are included in the update of static road data.

(a) the type of static road data - available geometry, road classification and traffic signs

(b) the location of the condition - available

(c) the type of update (modification, insertion, deletion) - available

(d) the description of the update - available

(e) the date on which the data has been updated - available

(f) the date and time when the change in a given condition has occurred or is planned to occur - N/A

(g) the quality of the data update - N/A

All the data are geo-located following the road database located at NPT and are regularly updated.
For road authorities, road operators, service providers: Do you include the following parameters in updates of dynamic road data [art. 9.1]? (a) the type of dynamic road status data and where appropriate a short description of it (b) the location of the event or condition (c) the period of occurrence of the event or condition (d) the quality of the data update Please explain the location referencing method you use to determine the location.
Yes, all the parameters are included in updates of dynamic road data.
All the data are geo-located following the road database located at NPT and are regularly updated.
For road authorities, road operators, service providers: Do you include the following parameters in updates of traffic data [art. 10.1]? (a) the type of traffic data and where appropriate a short description of it (b) the location of the event or condition (c) d the quality of the data update Please explain the location referencing method you use to determine the location.
Yes, all the parameters are included in updates of traffic data.
All the data are geo-located following the road database located at NPT and are regularly updated.

Annex

Please attach the terms of use to the Annex.
Which documents are attached to this accompanying document to support your claims?
Annex 1: Data categories available in the registered dataset(s) Annex 2: Copyright and Disclaimer of liability Annex 3: Privacy policy Annex 4: Licencing ...

Annex 1: Data categories available in the registered dataset(s) and service(s)

(if necessary add more columns to the table so that all datasets can be described)

The table below indicates the data categories per data set, the covered area per data set and the way of provision. Please fill in this table with Y for yes and N for no. Please add more columns, if necessary. *1 other data / traffic information means that listed data set also covers other non RTTI data categories, i.e. is not focused only on RTTI data.												
1. The types of the static road data include in particular		DS 1	DS 2	DS 3	DS 4	DS 5	DS 6	DS 7	DS 8	DS 9	DS 10	DS11
(a) road network links and their physical attributes, such as:	(i) geometry;	Y	N	N	N	N	Y	Y	N	N	N	N
	(ii) road width;	N	N	N	N	N	N	N	N	N	N	N
	(iii) number of lanes;	N	N	N	N	N	N	N	N	N	N	N
	(iv) gradients;	N	N	N	N	N	N	N	N	N	N	N
	(v) junctions;	N	N	N	N	N	N	N	N	N	N	N
(b) road classification;		Y	N	N	N	N	Y	Y	N	N	N	N
(c) traffic signs reflecting traffic regulations and identifying dangers, such as:	(i) access conditions for tunnels;	N	N	N	N	N	N	N	N	N	N	N
	(ii) access conditions for bridges;	N	N	N	N	N	N	N	N	N	N	N
	(iii) permanent access restrictions;	N	N	N	N	N	N	N	N	N	N	N
	(iv) other traffic regulations;	N	N	N	N	N	N	N	N	N	N	N
(d) speed limits;		Y	N	N	N	N	N	N	N	N	N	N
(e) traffic circulation plans;		N	N	N	N	N	N	N	N	N	N	N
(f) freight delivery regulations;		N	N	N	N	N	N	N	N	N	N	N
(g) location of tolling stations;		N	N	N	N	N	N	N	N	N	N	N
(h) identification of tolled roads, applicable fixed road user charges and available payment methods;		N	N	N	N	N	N	N	N	N	N	N
(i) location of parking places and service areas;		N	N	N	N	N	N	N	N	N	N	N
(j) location of charging points for electric vehicles and the conditions for their use;		N	N	N	N	N	N	N	N	N	N	N
(k) location of compressed natural gas, liquefied natural gas, liquefied petroleum gas stations;		N	N	N	N	N	N	N	N	N	N	N
(l) location of public transport stops and interchange points;		N	N	N	N	N	N	N	N	N	N	N
(m) location of delivery areas.		N	N	N	N	N	N	N	N	N	N	N

2. The types of the dynamic road status data include in particular	DS 1	DS 2	DS 3	DS 4	DS 5	DS 6	DS 7	DS 8	DS 9	DS 10	DS 11
(a) road closures;	N	Y	Y	Y	Y	N	N	N	N	N	N
(b) lane closures;	N	Y	Y	Y	Y	N	N	N	N	N	N
(c) bridge closures;	N	Y	Y	Y	Y	N	N	N	N	N	N
(d) overtaking bans on heavy goods vehicles;	N	N	N	N	N	N	N	N	N	N	N
(e) roadworks;	N	N	N	Y	Y	N	N	N	N	N	N
(f) accidents and incidents;	N	Y	Y	N	N	N	N	N	N	N	N
(g) dynamic speed limits;	N	N	N	Y	Y	N	N	N	N	N	N
(h) direction of travel on reversible lanes;	N	N	N	N	N	N	N	N	N	N	N
(i) poor road conditions;	N	Y	Y	N	N	N	N	N	N	N	N
(j) temporary traffic management measures;	N	Y	Y	N	N	N	N	N	N	N	N
(k) variable road user charges and available payment methods;	N	N	N	N	N	N	N	N	N	N	N
(l) availability of parking places;	N	N	N	N	N	N	N	N	N	N	N
(m) availability of delivery areas;	N	N	N	N	N	N	N	N	N	N	N
(n) cost of parking;	N	N	N	N	N	N	N	N	N	N	N
(o) availability of charging points for electric vehicles;	N	N	N	N	N	N	N	N	N	N	N
(p) weather conditions affecting road surface and visibility.	N	Y	Y	N	N	N	N	Y	Y	Y	Y

3. The types of the traffic data include in particular:	DS 1	DS 2	DS 3	DS 4	DS 5	DS 6	DS 7	DS 8	DS 9	DS 10	DS 11
(a) traffic volume;	N	N	N	N	N	Y	Y	N	N	N	N
(b) speed;	N	N	N	N	N	Y	Y	N	N	N	N
(c) location and length of traffic queues;	N	N	N	N	N	Y	Y	N	N	N	N
(d) travel times;	N	N	N	N	N	N	N	N	N	N	N
(e) waiting time at border crossings to non-EU Member States.	N	N	N	N	N	N	N	N	N	N	N

Annex 2: Copyright and Disclaimer of liability

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Annex 3: Privacy policy

Privacy Policy:

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The cookies used on this site are absolutely necessary for the operation.

Cookie name	Source	Where it is used	What it is used for	Expiration
ASP.NET_SessionId	This website	Throughout the site	This cookie is absolutely necessary, it contains the user session ID	When the user closes the browser

Annex 4: Licencing

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- provide a link to the relevant data set (URI) if the Information has been released publicly.



III.

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