



LIETUVOS RESPUBLIKOS SUSISIEKIMO MINISTERIJA

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Duomenys kaupiami ir saugomi Juridinių asmenų registre, kodas 188620589

Lietuvos nuolatinei atstovybei Europos
Sąjungoje

2023-10-

Nr. 2-

I

Nr.

DĖL ATASKAITOS PERDAVIMO EUROPOS KOMISIJAI

Lietuvos Respublikos susisiekimo ministerija vadovaudamasi 2010 m. liepos 7 d. Europos Parlamento ir Tarybos direktyvos 2010/40/ES „Dėl kelių transporto ir jo sąsajų su kitų rūšių transportu srities intelektinių transporto sistemų diegimo sistemos“ 17 straipsnio 3 dalimi, parengė pažangos, padarytos įgyvendinant Intelektinius transporto sistemų projektus ataskaitą. Prašome patvirtinti šio rašto gavimą ir ataskaitą perduoti Europos Komisijai.

PRIDEDAMA. 2023 m. spalio 31 d. raštas Europos Komisijai Nr. 2-4049 „Dėl pažangos ataskaitos pagal Direktyvos 2010/40/ES 17 straipsnio 3 dalį pateikimo“, 11 lapų.

Viceministrė

Agnė Vaiciukevičiūtė



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Europos Komisijai

2023-10-
I

Nr. 2-
Nr.

DĖL PAŽANGOS ATASKAITOS PAGAL DIREKTYVOS 2010/40/ES 17 STRAIPSNIO 3 DALĮ PATEIKIMO

Lietuvos Respublikos susisiekimo ministerija vadovaudamasi 2010 m. liepos 7 d. Europos Parlamento ir Tarybos direktyvos 2010/40/ES „Dėl kelių transporto ir jo sąsajų su kitų rūšių transportu srities intelektinių transporto sistemų diegimo sistemos“ 17 straipsnio 3 dalimi, teikia pažangos, padarytos įgyvendinant Intelektinius transporto sistemų projektus ataskaitą (anglų kalba).

PRIDEDAMA. Progress Report to the European Commission on the progress made for the implementation of the Directive 40/2010/EU, 8 lapai.

Susisiekimo viceministrė

Agnė Vaiciukevičiūtė

N. Abukauskas, tel. (8 5) 239 3839, el. p. nemunas.abukauskas@sumin.lt

PROGRESS REPORT TO THE EUROPEAN COMMISSION ON THE PROGRESS MADE FOR THE IMPLEMENTATION OF DIRECTIVE 40/2010/EU

I. OPTIMAL USE OF ROAD, TRAFFIC AND TRAVEL DATA

INFORMATION ON THE IMPLEMENTED PROJECT “ROAD DATA E-SERVICE DEVELOPMENT”

In order to more effectively administer, manage, and oversee road assets, as well as provide public electronic services, the Road Administration has implemented the project "Creation of Electronic Road Data Services" (hereinafter referred to as the project). The goal of the project is to develop an advanced electronic road data service for road data providers and economic entities using road data, utilizing a centralized source of national and local road data, where road data is managed from the beginning to the end of the road asset life cycle. This enables the creation and provision of higher-quality and more convenient electronic services in the transport sector at the national and European levels, while increasing public awareness of Lithuania's roads by providing up-to-date and relevant data to enhance road safety, convenience, and efficiency. It also creates opportunities for the development and expansion of other electronic services in the transport sector.

Implemented and integrated into the State Data Centers' IT infrastructure, the State and local road asset management information system allows:

- Centralized management of data on national and local roads and road elements.
- Provision of advanced, high-quality electronic services to road data providers and economic entities using national and local road data.
- More efficient administration, management, and oversight of road assets and the provision of public services for the Road Administration and municipalities.
- Opening road data stored in the road asset management information system to economic entities.

II. SUSTAINABILITY OF TRAFFIC AND FREIGHT MANAGEMENT ITS SERVICES

ELECTRONIC VIGNETTE

Electronic vignette is an electronic entry in the National Traffic Information System (hereinafter – EIS) that confirms the fact of payment of a road user charge and gives the right to drive the vehicle on tolled road sections for a specified period of time.

Since 2019 only the electronic vignette is circulating on the territory of Lithuania. The road users must have a valid electronic vignette before entering the tolled sections of Lithuanian highways A1-A20 by buses (vehicle categories M2-M3), heavy vehicles (vehicle categories N1-N3) and their combinations and special road vehicles.

The electronic vignettes are distributed on the website www.keliumokestis.lt, which is adapted for both computer and mobile device as well as via distributors - in the petrol stations, at the border

crossing points of the Republic of Lithuania and in other places marked with special signs, via mobile app or by sending SMS.

Information in English:

<https://lakd.lt/en/user-charge-vignettes>

<https://keliumokestis.lt/pages/mainPage.xhtml?faces-redirect=true>

There are four types of electronic vignettes: daily, weekly, monthly and yearly. An electronic vignette that is valid for a day (daily) expires after 24 hours counting from the start of the validity period of an electronic vignette; an electronic vignette that is valid for a week (weekly) expires after 7 days inclusive counting from the start of the validity period of an electronic vignette; an electronic vignette that is valid for a month (monthly) expires on the same day of the next month counting from the start of the validity period of an electronic vignette; an electronic vignette that is valid for one year (yearly) is valid for a period of 12 months counting from the start of the validity period of an electronic vignette. A road user shall set up the start date and time of an electronic vignette.

An electronic entry contains information stored by EIS about:

1. the date of acquisition of the vignette and the date of expiry (as to the accuracy of hours and minutes).

2. data of the vehicle:

2.1. country of registration and national registration number.

2.2. category and class, number of axles (after 2024-01-01), as well as pollution emission class, when it is specified when purchasing an electronic vignette.

3. other electronic vignette data:

3.1. unique number of electronic vignette.

3.2. the place of sale of the electronic vignette and the transaction number of the sale of the vignette.

Purchase ▸ Vignette

Vehicle country: *

Plate number: *

Category:

Deduction:

Emission level:

Duration:

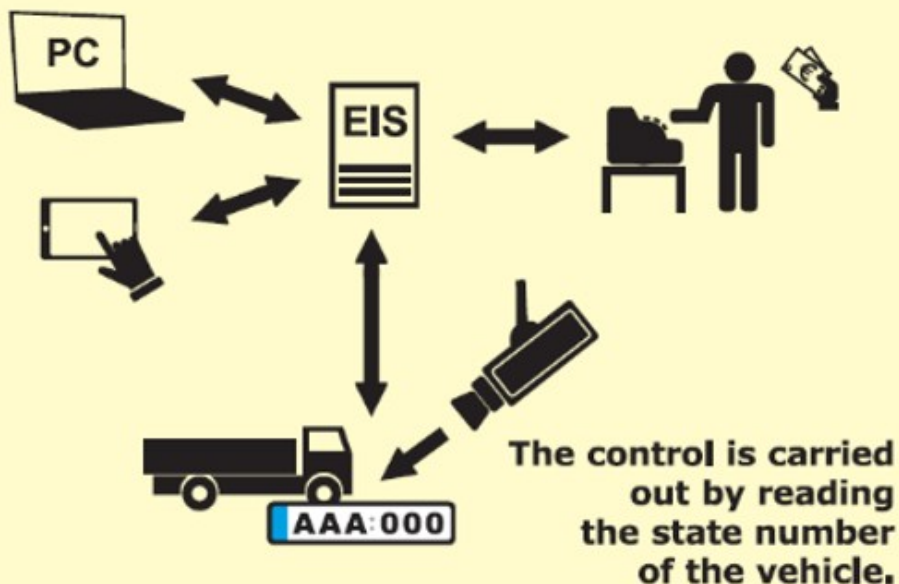
Vignette variant: *

Valid from now:

Start date: *

End date:

Electronic vignette can be purchased on the Internet www.roadtoll.it, also at petrol stations and in other places indicated by a special sign (the entire list of distribution points for electronic vignettes can be found at www.roadtoll.it).



Lithuania has plans to move from a time-based road user charge to the distance-based e-tolling system in the coming years.

EV APPLICATION

The Lithuanian Road Administration (hereinafter referred to as the Road Administration), in order to inform consumers more effectively about the provided electric vehicle charging services, initiated the implementation of the project "ID and Data Collection for Sustainable Fuels in Europe" (hereinafter referred to as IDACS) in 2019. The project is being carried out under the guidance of the European Commission Contract No. MOVE/B4/SUB/2018-489/CEF/PSA/SI2.792684.

The aim of the IDACS project is to create a registration system for public electric vehicle charging point operators and their managed access points. During the project implementation, the following activities will be carried out:

- Creation of a standard format for ID codes for electric transport infrastructure.
- Establishment of an ID code registry for exchanging data with national ID registration organizations (national IDRO).
- Development of a method to ensure continuity between the general ID code registry and national IDRO registries.
- Data collection about physical charging points.
- Provision of static and dynamic data in DATEX II format through the national access point.

Upon the completion of the project, conditions were created for users of electric vehicle charging points to receive real-time information, including:

- Location of charging access (street, city, postal code).
- Charging capabilities (power, charging standards).
- Types of charging access connectors (plugs, sockets, inductive loops, etc.).
- Operating

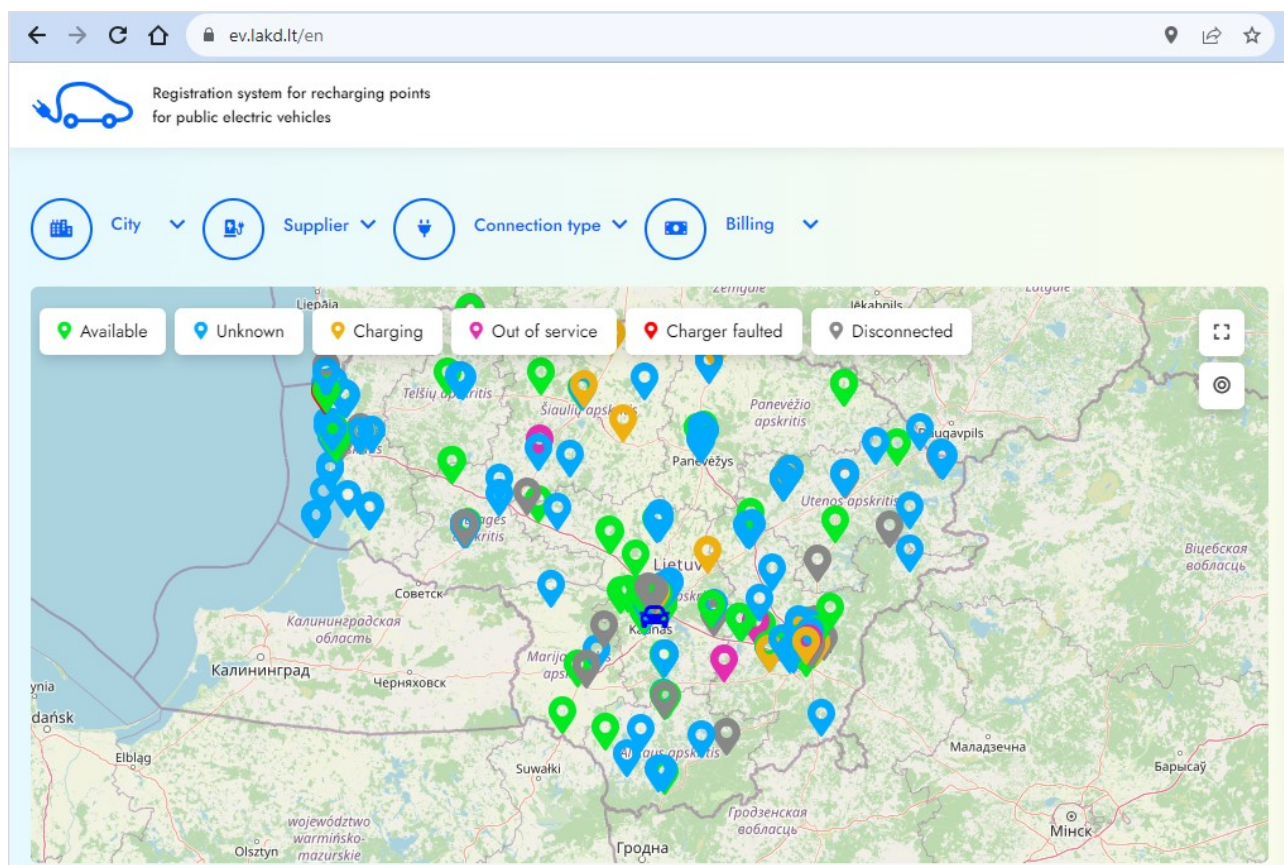
hours of charging access. • Payment methods for services. • Accessibility status of charging access (operational/non-operational). • Occupancy status of charging access (available/occupied). • Charging service price (applied to the user without a contract).

The creation of the information system aims to increase public and consumer awareness, enhance the attractiveness of electric vehicle usage, and provide easy and quick access to uniform data on public electric vehicle access points from all operators, promoting compatibility of electric vehicle infrastructure development throughout the EU.

All public and semi-public electric vehicle charging point operators operating in Lithuania must register in this system. Operators are obligated to provide their electric vehicle access point static data free of charge and, where the electric vehicle charging station has the capability, dynamic data according to an open charging access protocol or another compatible protocol.

In this database, electric vehicle drivers can find real-time information about the charging access point's target address, operating hours, status (whether it is operational or not, available or occupied), as well as information about charging capabilities (power and standards) and types of charging access connectors. Information about payment methods for services and charging service prices will also be available.

The system is currently accessible online at <https://ev.lakd.lt>.

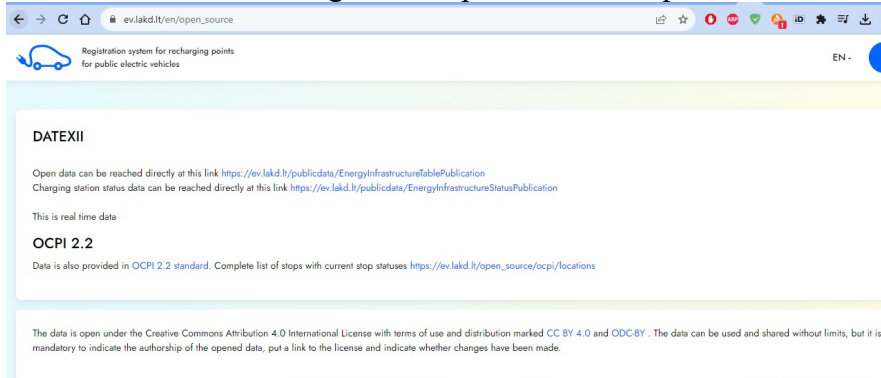


The created system has an adaptive webpage that adjusts to computer or mobile device screens. The system is designed to collect data from electric vehicle charging point operators and provide them as open data according to a harmonized EU standard, allowing various service providers, websites, navigation applications, or other applications to use the data when providing services to users. The data from this system is already being used by major travel planning platforms worldwide, such as Google Maps, Waze, PlugShare, Chargemap, and others. There are no plans to create separate mobile applications.

Data in the system is collected according to a common format for providing electric vehicle access point operator data at the EU level, allowing all interested third parties to use the data free of

charge. Currently, more than 40 operators are already providing data to the information system. Operators who do not register in the system will not be able to participate in public electric vehicle charging infrastructure development competitions, which means they will not be eligible for financial support for infrastructure expansion or subsidies for connecting to the electrical grids, as required by the Alternative Fuels Act.

Web services for the transmission of data via NAP have already been developed. EV data can be accessed via the following links: [nap.lakd.lt](https://ev.lakd.lt) and https://ev.lakd.lt/en/open_source



ITS ROAD SAFETY AND SECURITY APPLICATIONS

Dynamic Traffic Management System IXB Corridor

In the section of the A1 Vilnius-Kaunas-Klaipėda main road from Vilnius to Kaunas, 49 speed management and warning systems (hereinafter referred to as SMWS) were installed in 2022. These systems inform drivers about traffic conditions, regulate speed limits, and report potential obstacles on the road.



The SMWS consists of electronic variable message signs (VMS), weather condition sensors that monitor road surface conditions, temperature, wind speed, and other parameters, as well as traffic flow analysis devices that calculate traffic conditions at specific locations on the road.

These systems help drivers choose a safe speed and anticipate possible traffic disruptions when traffic conditions change. This not only ensures safe communication but also saves travel time. Furthermore, the installation of these speed control and warning systems is an important part of the reconstruction plan for the A1 Vilnius-Kaunas-Klaipėda main road, in line with the requirements for motorways.

SMWS functions as visual screens displaying speed limit and warning signs that drivers must adhere to. As specified in the Road Traffic Rules, if the requirements of a road sign and road marking differ, drivers should follow the road sign. When variable message signs are installed on

the road, drivers should follow the information displayed on these signs. However, in all cases, drivers must responsibly assess traffic conditions and choose a safe speed, which may be lower than the maximum allowable speed.

The system also provides real-time information to road users about changing driving conditions. The system collects data from various sensors on the road and decides which road sign to display on the VMS screen. This way, road users are promptly informed about current traffic conditions. The Road Administration also uses SMWS to alert road users about roadworks, traffic incidents, or other obstacles.

Via Baltica

25 locations with VMS were installed in early 2023 on segment of Via Baltica on the road's A5 Kaunas-Marijampolė-Suvalkai. section from kilometer 1 to kilometer 58. VMS inform drivers about traffic conditions, regulate speed limits, and report possible obstacles on the road.



Animal Warning System

The Lithuanian Road Administration, in collaboration with researchers, is currently testing new equipment to provide information about wild animals on the nationally significant road No. 140 Kaunas-Zapyškis-Šakiai, from kilometer 41 to kilometer 43 (from Kaunas).

The system developed by scientists uses a flashing light signal at night to alert drivers to the presence of or intention to cross the road by animals located near the road, thereby providing information to drivers and warning them. Drivers are advised to be vigilant, monitor the road and its surroundings, and not be alarmed by the flashing light.

The equipment consists of special columns installed near the roadside, with a red flashing light bulb attached at the top, powered by solar panels. The columns are installed at certain intervals above the road's animal migration zone.

Every year, there are numerous road accidents in Lithuania related to wild animals running onto the road, especially at night. This innovative smart technology system could be one of the effective

measures to reduce collisions between vehicles and wild animals on Lithuanian roads in the future," emphasized Remigijus Lipkevičius, Director of the Road Administration.

The operation principle of the smart equipment is as follows: the system scans the area near the roadside in twilight or darkness and activates a flashing red signal when movement is detected, alerting drivers of vehicles approaching from both sides to reduce speed in this area and be more attentive to the surroundings, as wild animals have approached the road. The system only detects warm-blooded animals.

Animal migration is more active in Lithuania during the autumn and spring seasons. In road sections where there is a higher likelihood of encountering wild animals, warning road signs No. 131 "Wild Animals" are installed, and modern technology is being used. For example, the nationally significant road No. 195 Kėdainiai–Krekenava–Panevėžys section features a system that warns drivers about wild animals on the road.

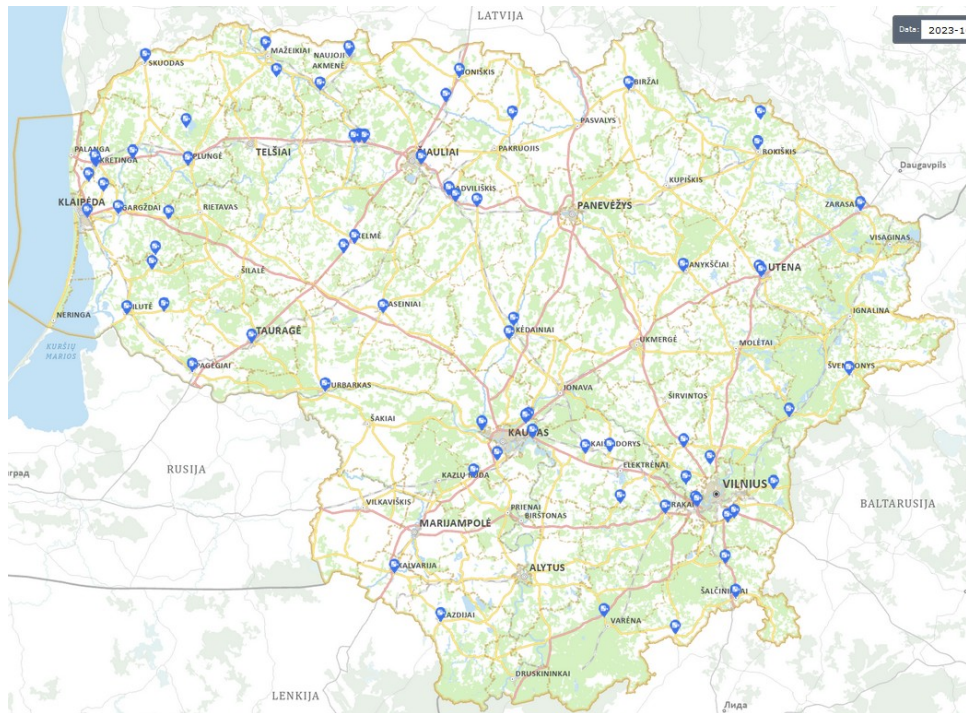
The equipment should warn about animals located up to 20 meters from the road surface, and this information is automatically transmitted to the variable information signs.



SPOT SPEED MEASURING SYSTEMS

In 2020-2023 LRA implemented 78 spot speed enforcement systems. This system is implemented in road locations which are in list of priorities. List of priorities is made using LRA methodology for selection of spot speed enforcement systems. Spot speed enforcement systems mainly installed in road locations where speed must be controlled in short sections of the road, for example, near school pedestrian crossings.

Map of spot speed enforcement systems:



NATIONAL ACCESS POINT

The Lithuanian Road Administration (LRA) currently operates the national access point: <https://maps.eismoinfo.lt>: Provides free and one-stop access to dynamic and static data about public transport, traffic intensity, road weather conditions, traffic restrictions, electric car charging stations, road surfaces, tolled road sections, traffic safety, speed control, road works, and more. <https://gis.ktvis.lt/webappbuilder/apps/35/>: Provides GIS service data in an open web application.

LRA is one of the partners in the NAPCORE project (National Access Point Coordination Organisation for Europe). NAPCORE is a newly formed organisation that coordinates and harmonises more than 30 mobility data platforms across Europe.

DETALŪS METADUOMENYS

Dokumento sudarytojas (-ai)	Lietuvos Respublikos susisiekimo ministerija 188620589, Gedimino pr. 17, 01505 Vilnius
Dokumento pavadinimas (antraštė)	DĖL PAŽANGOS ATASKAITOS PAGAL DIREKTYVOS 2010/40/ES 17 STRAIPSNIO 3 DALĮ PATEIKIMO
Dokumento registracijos data ir numeris	2023-10-31 Nr. 2-4049
Dokumento gavimo data ir dokumento gavimo registracijos numeris	–
Dokumento specifikacijos identifikavimo žymuo	ADOC-V1.0
Parašo paskirtis	Pasirašymas
Parašą sukūrusio asmens vardas, pavardė ir pareigos	Agnė Vaiciukevičiūtė, Susisiekimo viceministrė, Vadovybė
Sertifikatas išduotas	AGNĖ VAICIUKEVIČIŪTĖ LT
Parašo sukūrimo data ir laikas	2023-10-30 15:58:46 (GMT+02:00)
Parašo formatas	XAdES-T
Laiko žymoje nurodytas laikas	2023-10-30 15:58:59 (GMT+02:00)
Informacija apie sertifikavimo paslaugų teikėją	EID-SK 2016, AS Sertifitseerimiskeskus EE
Sertifikato galiojimo laikas	2023-05-02 16:01:03 – 2028-04-30 23:59:59
Informacija apie būdus, naudotus metaduomenų vientisumui užtikrinti	"Registravimas" paskirties metaduomenų vientisumas užtikrintas naudojant "RCSC IssuingCA, VI Registru centras - i.k. 124110246 LT" išduotą sertifikatą "Dokumentų valdymo sistema Avilys, Lietuvos Respublikos susisiekimo ministerija, į.k. 188620589 LT", sertifikatas galioja nuo 2021-12-20 11:01:47 iki 2024-12-19 11:01:47
Pagrindinio dokumento priedų skaičius	1
Pagrindinio dokumento pridedamų dokumentų skaičius	–
Priedamo dokumento sudarytojas (-ai)	–
Priedamo dokumento pavadinimas (antraštė)	–
Priedamo dokumento registracijos data ir numeris	–
Programinės įrangos, kuria naudojantis sudarytas elektroninis dokumentas, pavadinimas	Dokumentų valdymo sistema Avilys, versija 3.5.71.1
Informacija apie elektroninio dokumento ir elektroninio (-ių) parašo (-ų) tikrinimą (tikrinimo data)	Atitinka specifikacijos keliamus reikalavimus. Visi dokumente esantys elektroniniai parašai galioja (2023-10-31 08:08:23)
Paieškos nuoroda	–
Papildomi metaduomenys	Nuorašą suformavo 2023-10-31 08:08:23 Dokumentų valdymo sistema Avilys

DETALŪS METADUOMENYS

Dokumento sudarytojas (-ai)	Lietuvos Respublikos susisiekimo ministerija 188620589, Gedimino pr. 17, 01505 Vilnius
Dokumento pavadinimas (antraštė)	DĖL ATASKAITOS PERDAVIMO EUROPOS KOMISIJAI
Dokumento registracijos data ir numeris	2023-11-03 Nr. 2-4067
Dokumento gavimo data ir dokumento gavimo registracijos numeris	–
Dokumento specifikacijos identifikavimo žymuo	ADOC-V1.0
Parašo paskirtis	Pasirašymas
Parašą sukūrusio asmens vardas, pavardė ir pareigos	Agnė Vaiciukevičiūtė, Susisiekimo viceministrė, Vadovybė
Sertifikatas išduotas	AGNĖ VAICIUKEVIČIŪTĖ LT
Parašo sukūrimo data ir laikas	2023-10-31 17:14:47 (GMT+02:00)
Parašo formatas	XAdES-X-L
Laiko žymoje nurodytas laikas	2023-10-31 17:15:00 (GMT+02:00)
Informacija apie sertifikavimo paslaugų teikėją	EID-SK 2016, AS Sertifitseerimiskeskus EE
Sertifikato galiojimo laikas	2023-05-02 16:01:03 – 2028-04-30 23:59:59
Informacija apie būdus, naudotus metaduomenų vientisumui užtikrinti	"Registravimas" paskirties metaduomenų vientisumas užtikrintas naudojant "RCSC IssuingCA, VI Registru centras - i.k. 124110246 LT" išduotą sertifikatą "Dokumentų valdymo sistema Avilys, Lietuvos Respublikos susisiekimo ministerija, į.k. 188620589 LT", sertifikatas galioja nuo 2021-12-20 11:01:47 iki 2024-12-19 11:01:47
Pagrindinio dokumento priedų skaičius	1
Pagrindinio dokumento priedamų dokumentų skaičius	–
Priedamo dokumento sudarytojas (-ai)	–
Priedamo dokumento pavadinimas (antraštė)	–
Priedamo dokumento registracijos data ir numeris	–
Programinės įrangos, kuria naudojantis sudarytas elektroninis dokumentas, pavadinimas	Dokumentų valdymo sistema Avilys, versija 3.5.71.1
Informacija apie elektroninio dokumento ir elektroninio (-ių) parašo (-ų) tikrinimą (tikrinimo data)	Atitinka specifikacijos keliamus reikalavimus. Visi dokumente esantys elektroniniai parašai galioja (2023-11-03 08:49:21)
Paieškos nuoroda	–
Papildomi metaduomenys	Nuorašą suformavo 2023-11-03 08:49:21 Dokumentų valdymo sistema Avilys