



# 2021

## THE ANNUAL SAFETY OVERSIGHT REPORT

AIR NAVIGATION SERVICE DEPARTMENT



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*Website:*

*[<http://letectvo.nsat.sk/navigacne-sluzby/>]*

**Bratislava 31.01.2022**



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## FOREWORD:

Based on Article 7(7) of regulation (EC) No 550/2004 of the European Parliament and of the Council of 10 March 2004 on the provision of air navigation services in the single European sky (the service provision Regulation) is this report prepared annually and its aim is to monitor compliance service providers with the common requirements.

The safety performance of the service provider is taking into account by competent authority when establishing an oversight programme appropriate to each provider. (ED Decision 2017/001/R, AMC1 ATM/ANS.AR.C.015 (a))

# ORGANISATIONAL STRUCTURE AND PROCEDURES OF THE COMPETENT AUTHORITY

## CIVIL REGULATOR(S)-GENERAL INFORMATION

Civil Aviation in the Slovak Republic is the responsibility of the Ministry of Transport and Construction of the Slovak Republic<sup>1</sup> (**MoT**).

The regulatory entity under the structure of MoT in Civil Aviation is the Civil Aviation Section. It is (among other functions in Civil Aviation) responsible for:

- ➔ State transport policy in Civil Aviation;
- ➔ Representing state in international Civil Aviation organizations;
- ➔ Monitoring of state supervision in Civil Aviation;
- ➔ Legislation and regulatory process;
- ➔ Designation of Air Navigation Services Providers.

The Transport Authority<sup>2</sup> (**TA**) is an independent institution, which represents the Slovak Republic at EASA, performs some tasks on behalf of European Union Aviation Safety Agency and fulfils the role of National Supervisory Authority for SES purposes (NSA). The TA is responsible for but not limited to:

- ➔ Certification of Service Providers,
- ➔ Certification of ATCO Training Organization,
- ➔ Certification of systems and components used or intended to use by Air Traffic Services Providers, Communication, Navigation and Surveillance Services Providers, Aeronautical Information Services Providers and Meteorological Services Providers and Air Traffic Management,
- ➔ Licensing of Air Traffic Services Personnel,
- ➔ Performance monitoring of Air Navigation Services,
- ➔ Oversight and enforcement of Service Providers,
- ➔ Oversight of ATCO Training Organization.

MoT acts as an economic and market regulator in the Civil Aviation.

In general, the MoT is responsible for preparation, transposition and implementation of legal rules. The TA acts as advisory body in this process, as well as, according to the Civil Aviation Act, it has a legislative initiative.

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<sup>1</sup> <https://www.mindop.sk/ministry-5191/transport/civil-aviation>

<sup>2</sup> <http://letectvo.nsat.sk/>

The different national entities having regulatory responsibilities in ANS/ATM are summarized in the table Nr.1 below.

Table Nr. 1

ACTIVITY IN ATM:	RESPONSIBILITY	LEGAL BASIS
<b>Rule-making</b>	MoT	EU legislation and Civil Aviation Act (143/1998 as amended)
<b>Safety Oversight</b>	TA (NSA)	EU legislation and Civil Aviation Act
<b>Enforcement actions in case of non-compliance with safety regulatory requirements</b>	MoT, TA	EU legislation and Civil Aviation Act
<b>Airspace</b>	MoT and MoD	EU legislation and Civil Aviation Act
<b>Economic</b>	MoT and TA	EU legislation and Civil Aviation Act
<b>Environment</b>	MoT	EU legislation and Civil Aviation Act
<b>Security</b>	MoT, TA	EU legislation and Civil Aviation Act
<b>Accident investigation</b>	AMIA	EU legislation and Civil Aviation Act

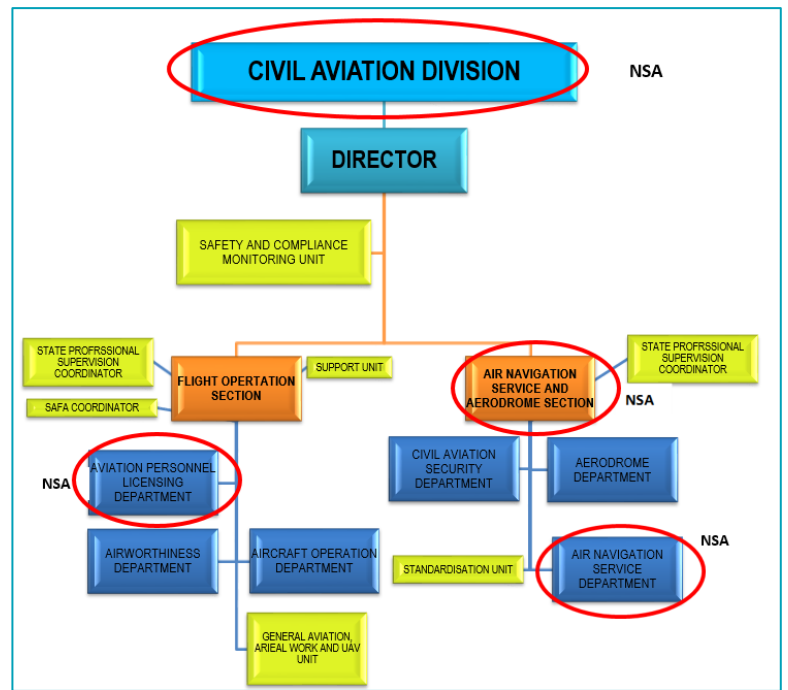
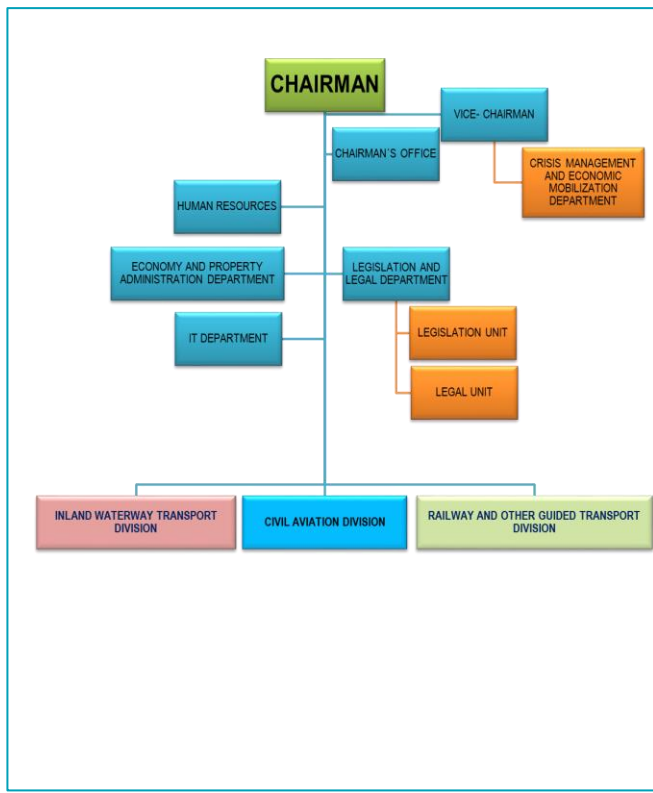
- *Enforcement actions in case of non-compliance with safety regulatory requirements: TA is acting as certifying authority and MoT as designating authority. Enforcement actions are linked accordingly to scope of responsibility.*
- *Sanctions:*
  - *MoT may impose a penalty to the legal or natural person authorized to do business up to 166 000 EUR, if such a person provides air navigation services without a permission or contradictory to the terms and conditions stipulated in the permission.*
  - *TA may impose a penalty to the legal or natural person authorized to do business up to 33 190 EUR, if such person violates the provision of international standards or recommendations of international civil aviation organizations that the Slovak Republic has adopted or specific regulations in the field of civil aviation.*

- *Airspace: Major changes of Airspace are associated with mutual coordination/approval of MoT and MoD*
- *Security: MoT is responsible for international security activity. TA is responsible for assessment of security programs, supervision of organizations, which are obligated to have security processes in place, assessment of background check of individuals. Detailed description of tasks and responsibilities are published in National Aviation Security Program, which is published as special Attachment to national version ICAO Annex 17.*

#### **ADMINISTRATION IN THE CIVIL AVIATION OF THE SLOVAK REPUBLIC**

- *MoT and TA are institutionally separated from ANSPs.*
- *In general, the MoT is responsible for preparation, transposition and implementation of legal rules. The TA acts as advisory body in this process, as well as, according to the Civil Aviation Act, it has a legislative initiative and it adopts manuals and procedures for executive activities. TA's main responsibility is safety and security oversight of ANSPs.*
- *For ATM safety regulation, the responsible body is MoT (Section of Civil Aviation) and for executive manuals and procedures, the responsible body is TA along with deep responsibility of safety oversight and licensing procedures.*

## Organizational Structure of the Transport Authority



## Notification of NSA 2020

(EC) No 549/2004

(EU) No 2015/340

Deputy Permanent Representative  
of the Slovak Republic to the EU  
Petra Vargová  
Ambassador

European Commission  
Ms. Christine Berg  
Head of Unit  
Unit E3 – Single European Sky  
Directorate E  
DG Mobility and Transport  
BE-1049 Brussels

001773/2020-CRP1-  
029323

21.2.2020

Subject: Changes to the list of National Supervisory Authorities for the Slovak Republic

Dear Ms. Berg,

In accordance with provisions of Article 4, paragraph 3 of the Regulation (EC) No 549/2004 of the European Parliament and of the Council of 10 March 2004 laying down the framework for the creation of the Single European Sky (the framework Regulation), "the Member States shall notify the Commission of the names and addresses of the National Supervisory Authorities, as well as changes thereto, and of the measures taken to ensure compliance with paragraph 2."

As of January 1<sup>st</sup> 2020 a new chairman of the Transport Authority has been nominated. We are hereby attaching the updated information for the Transport Authority:

Name of the NSA: Dopravný úrad, divízia civilného letectva  
English translation: Transport Authority, Civil Aviation Division  
Postal address: M. R. Štefánik Airport  
823 05 Bratislava  
Slovak Republic  
Tel.: +421 2 4877 7502  
Cell: +421 917 867 404

Fax: +421 2 4342 0331  
E-mail: [pavel.hudak@nsa.sk](mailto:pavel.hudak@nsa.sk)  
Website: [www.nsa.sk](http://www.nsa.sk)  
Legal basis of the NSA: Act No. 143/1998 Coll. On Civil Aviation (Aviation Act) and on amendment of some Acts, as amended by Act No. 213/2019 Coll.  
Chairperson: Mr. Pavol Hudák, Chairman  
Focal point: Mr. Ivan Hasiček, Director  
Tel.: +421 2 4877 7513  
E-mail: [ivan.hasecek@nsa.sk](mailto:ivan.hasecek@nsa.sk)

Sincerely,



Notification - competent authority change of chairman person

Dear Madam / Sir

on behalf of Transport Authority I have a honour to inform you that Competent authority in accordance with the Article 5, para 7 of COMMISSION REGULATION (EU) 2015/340 in Slovak Republic is:

Name of Competent Authority	DOPRAVNÝ ÚRAD - DIVÍZIA CIVILNÉHO LETECTVA
English Translation	TRANSPORT AUTHORITY - CIVIL AVIATION DIVISION
Postal address	M. R. ŠTEFÁNIK AIRPORT, 823 05 BRATISLAVA, SLOVAK REPUBLIC
Phone	Fax line: +421 2 4877 7502 Cell: +421 917 867 404
Fax	+421 2 4342 0331
E-mail	<a href="mailto:pavel.hudak@nsa.sk">pavel.hudak@nsa.sk</a>
Website	<a href="http://www.nsa.sk">www.nsa.sk</a>
Legal basis of the Competent Authority	Act no. 402/2013 Coll. on Authority for Regulation of Electronic Communications and Postal Services and on Transport Authority, to alter and to amend some other acts, as amended Civil Aviation Act No. 143/1998 Z.z. (Book of Acts) and on amendment of some acts as was variously amended
CEO/Chairperson	Mr. Pavol Hudák
Focal point/contact person	Mr. Vojtech Spruch
Phone	Fax line: +421 2 4877 7513 Cell: +421 918 382 054
E-mail	<a href="mailto:vojtech.spruch@nsa.sk">vojtech.spruch@nsa.sk</a>

Please cancel our letter number 20862/2017/OLNS-2-38521, dated 02-11-2017.

Sincerely yours,

Pavol Hudák, MSc  
Chairman  
of the Transport Authority

Postal Address: Letisko M. R. Štefánika, 823 05 Bratislava, Slovak Republic  
Identification Number of Organisation: 4235826 Website: [www.nsa.sk](http://www.nsa.sk)



## AIRSPACE

### AIRSPACE FALLING UNDER THE RESPONSIBILITY OF THE COMPETENT AUTHORITY, AND ORGANISATIONS FALLING UNDER THE SUPERVISION OF THAT COMPETENT AUTHORITY

#### BRATISLAVA FIR

Bratislava FIR is surrounded by FIRs of 5 States, namely Austria, the Czech Republic, Poland, Ukraine and Hungary.

The Division Flight Level (DFL) separating upper from lower ATS airspace is FL 245.

#### CONTROLLED AIRSPACE:

- Controlled airspace in the Slovak Republic comprises:
  - Airspace from 8000ft/2450m AMSL or 1000ft/300m AGL, depending which one is higher, to FL 660;
  - airspace within CTRs and TMAs
- No UIR is established.
- Free Route Airspace (FRA) is available in BRATISLAVA CTA from FL 245 to FL 660 on H24 basis as part of SEE FRA (South East Europe Free Route Airspace)

#### RUTOL AREA

- in this area ATS are delegated to Hungary / Hungarocontrol
- 480214N 0184917E - along state boundary to 474551N 0182754E - 475117N 0182910E -475729N 0183036E - 480214N 0184917E.
- FL 195 / 9 000 AMSL, ATS provided by Budapest ATCC. Search and rescue co-ordination and operations provided by appropriate authorities of the Slovak Republic, Class of airspace: C

#### TMA 2 KOŠICE

- in this area ATS are delegated to Slovakia / LPS SR
- 482346N 0202459E along state boundary to 482000N 0214901E 481703N 0214953E 481110N 0210551E 482346N 0202459E 9 500 ft (2 900 m) AMSL / 1 000 ft (300 m) AGL Class of airspace: D

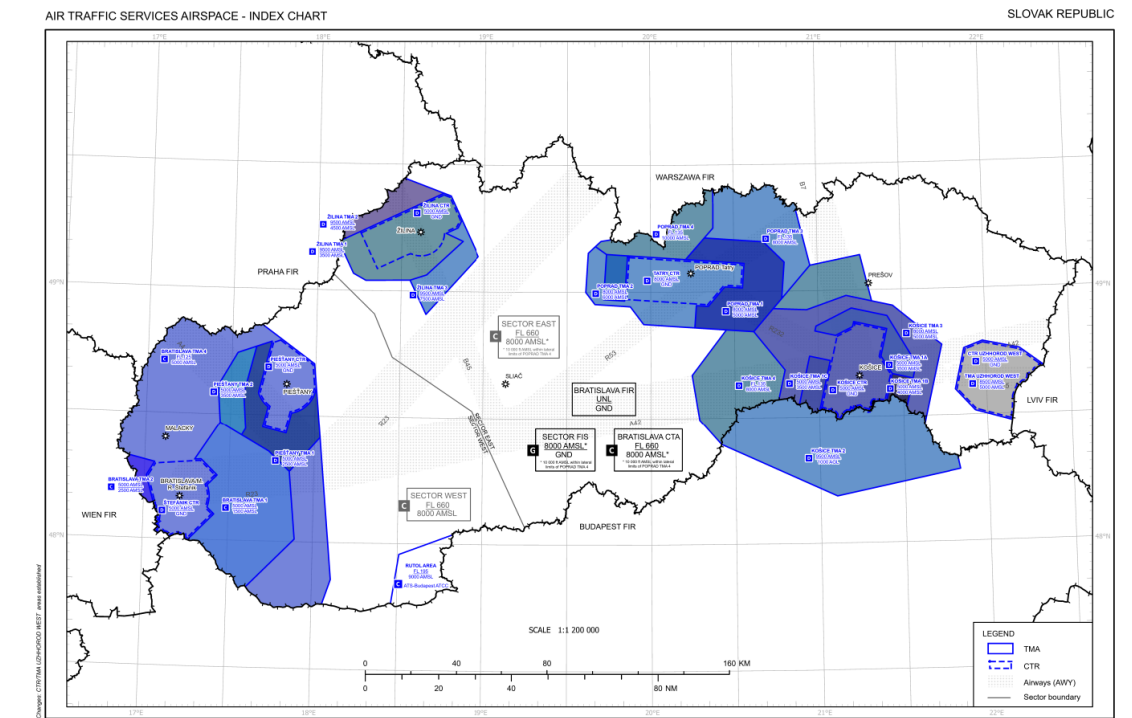
#### TMA UZHGOROD WEST

- in this area ATS are provided by UkSATSE (Ukrainian State Air Traffic Services Enterprise)
- 484723N 0215852E 484528N 0221202E 484113N 0222028E along state boundary to 482824N 0220847E 483000N 0220040E 483057N 0215544E 483603N 0214849E 484545N 0215212E 484723N 0215852E 8 500 ft AMSL 5 000 ft AMSL

### UNCONTROLLED AIRSPACE:

- Airspace "G" is from GND to 8000ft /2450m AMSL or 1000ft/300m AGL, depending which one is higher, with the exception of CTRs and TMAs.

The following map shows the geographical situation of the Slovak airspace.

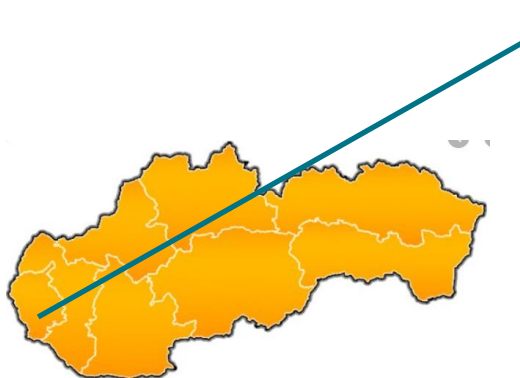


## SERVICE PROVIDERS

<b>Name of the ANSP:</b>	<i>Letové prevádzkové služby Slovenskej republiky, štátny podnik (LPS SR)</i>		
<b>Governance:</b>	<i>State enterprise</i>	<b>Ownership:</b>	<i>Slovak Republic</i>
<b>Services/Functions</b>	<b>Type of Service/Function</b>	<b>Scope of Service/Function</b>	
Air traffic services (ATS)	Air traffic control (ATC)	Area control service	
		Approach control service	
		Aerodrome control service	
	Flight information service (FIS)	En-route flight information service (En-route FIS)	
Air traffic flow management (ATFM)	ATFM	Provision of the local ATFM	
Airspace management (ASM)	ASM	Provision of the local ASM (tactical/ASM Level 3) service	
Communication, navigation or surveillance services (CNS)	Communications (C)	Aeronautical mobile service (air-ground communication)	
		Aeronautical fixed service (ground-ground communications)	
	Navigation (N)	Provision of NDB signal in space	
		Provision of VOR signal in space	
		Provision of DME signal in space	
		Provision of ILS signal in space	
	Surveillance (S)	Provision of data from primary surveillance (PS)	
		Provision of data from secondary surveillance (SS)	
Aeronautical information services (AIS)	AIS	Provision of the whole AIS service	
<b>Additional information:</b>			
ATCO training	YES		
Provision of services in other State(s):	YES, HUNGARY		

<b>Name of the ANSP:</b>	<i>Slovak Hydrometeorological Institute (SHMÚ)</i>		
<b>Governance:</b>	<i>State organization</i>	<b>Ownership:</b>	<i>Slovak Republic</i>
<b>Services/Functions</b>	<b>Type of Service/Function</b>	<b>Scope of Service/Function</b>	
Meteorological services (MET)	MET	Meteorological watch office	
		Aerodrome meteorological offices	
		Aeronautical meteorological stations	

# CERTIFIED ATCO TRAINING ORGANIZATIONS



Letové prevádzkové služby Slovenskej republiky, štátny podnik,  
Ivanská cesta 93, 823 07 Bratislava 216,  
IČO: 35 778 458

**All types of Training**  
**Certificate: SVK ATCO.TO/01**

**Príloha k osvedčeniu ATCO.TO číslo:**  
Attachment to ATCO.TO certificate number:

**SVK ATCO.TO/01**

**LETOVÉ PREVÁDZKOVÉ SLUŽBY SLOVENSKEJ REPUBLIKY, ŠTÁTNY PODNIK,**  
**Ivanská cesta 93, 823 07 BRATISLAVA 216, IČO: 35 778 458**

**získalo oprávnenia poskytovať a vykonávať tieto druhy výcviku v súlade s časťou ATCO:**  
**has** obtained the privileges to provide and conduct the following training in accordance with Part ATCO

DRUH(-Y) VÝCVIKU TYPE(S) OF TRAINING			
Druh výcviku Type of training	Kurz Course	Doložky ku kvalifikačným kategóriám Rating endorsements	Poznámky Remarks
<input checked="" type="checkbox"/> Počiatočný výcvik ATCO/ATCO Initial training	<input checked="" type="checkbox"/> Základný výcvik/BASIC training  <input checked="" type="checkbox"/> Výcvik pre kvalifikačnú kategóriu/Rating training  ACP ACS APP APS ADV ADI	Neuvádza sa n/a   - - - - TWR TWR, RAD	
<input checked="" type="checkbox"/> Výcvik ATCO na stanovišti/ ATCO Unit training	ACC LZBB APP/TWR LZIB TWR LZPP TWR LZZI TWR LZTT APP/TWR LZKZ	- TWR, RAD TWR TWR TWR, RAD TWR, RAD	
<input checked="" type="checkbox"/> Pokračovací výcvik ATCO/ ATCO Continuation training	<input checked="" type="checkbox"/> Opakovací výcvik ATCO/ATCO Refresher training  <input checked="" type="checkbox"/> Preškolenie výcvik ATCO/ATCO Conversion training	Neuvádza sa n/a  Neuvádza sa n/a	
<input checked="" type="checkbox"/> Výcvik praktického inštruktora/ Practical instructor training	Neuvádza sa n/a	Neuvádza sa n/a Neuvádza sa n/a	
<input checked="" type="checkbox"/> Výcvik hodnotiteľa/ Assessor training	Neuvádza sa n/a	Neuvádza sa n/a Neuvádza sa n/a	

**Dátum vydania: 08/10/2015**  
Date of issue:

**Podpis:**  
Signed:  
**Riaditeľ divízie civilného letectva**  
Director of Civil Aviation Division

## QUALIFIED ENTITIES

### QUALIFIED ENTITIES COMMISSIONED TO CONDUCT SAFETY REGULATORY AUDITS

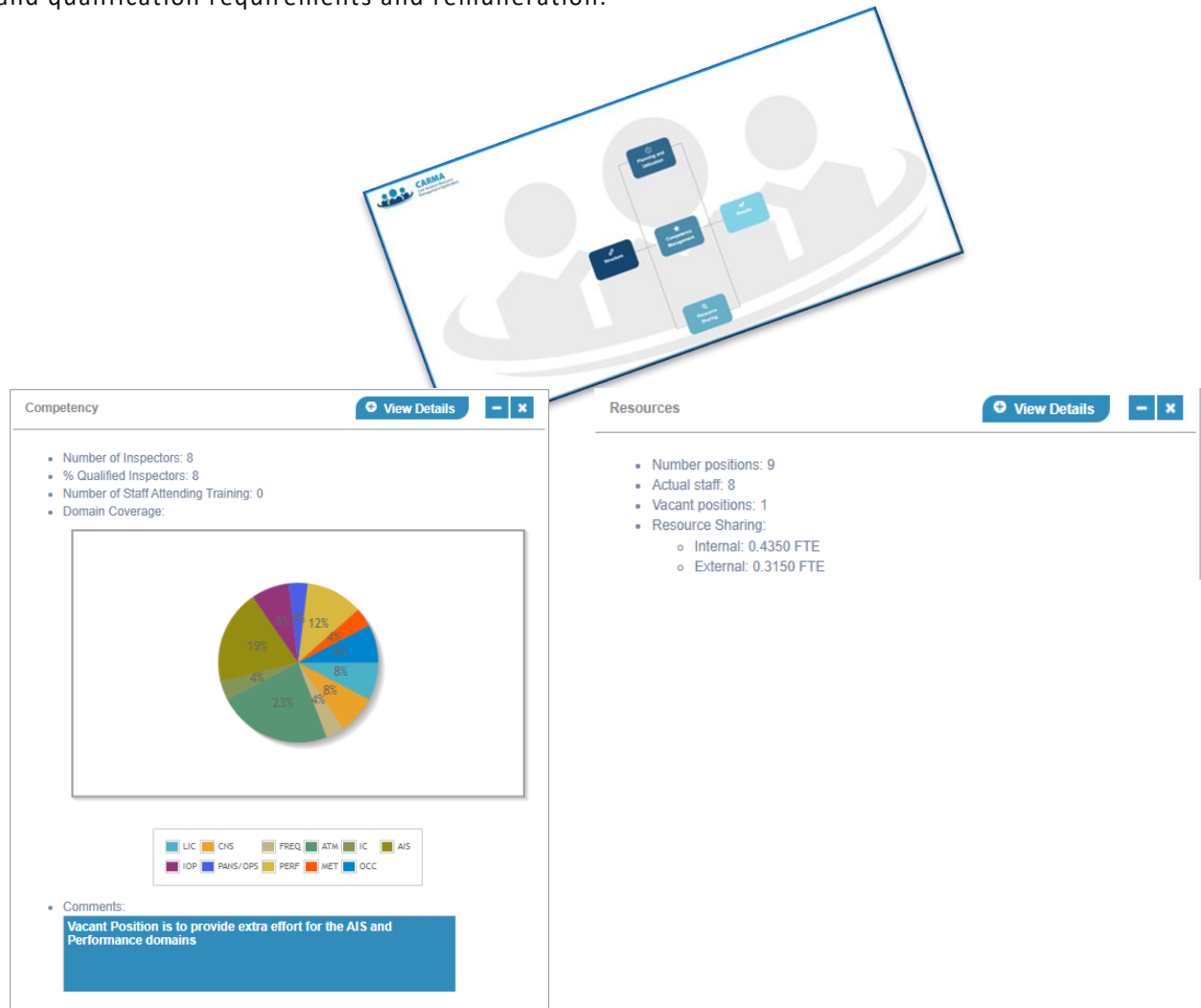
- The Slovak NSA/Transport Authority has performed all safety regulatory audits by itself, thus **NO QUALIFIED ENTITIES** have been used during 2021.



## NSA - HUMAN RESOURCES

### EXISTING LEVELS OF RESOURCES OF THE COMPETENT AUTHORITY

For HR assessment for year 2021 WEB - application CARMA<sup>3</sup> has been used. The assessment includes structure and size of ANS Departments, task distribution and staffing levels, experience, competency and training of inspectors, inspector recruitment and qualification requirements and remuneration.



<sup>3</sup> Whole assessment on <https://drive.google.com/file/d/19TEZ665m-Swa-Oz5onwExw3NrCi4uRSn/view?usp=sharing>

## SAFETY OVERSIGHT

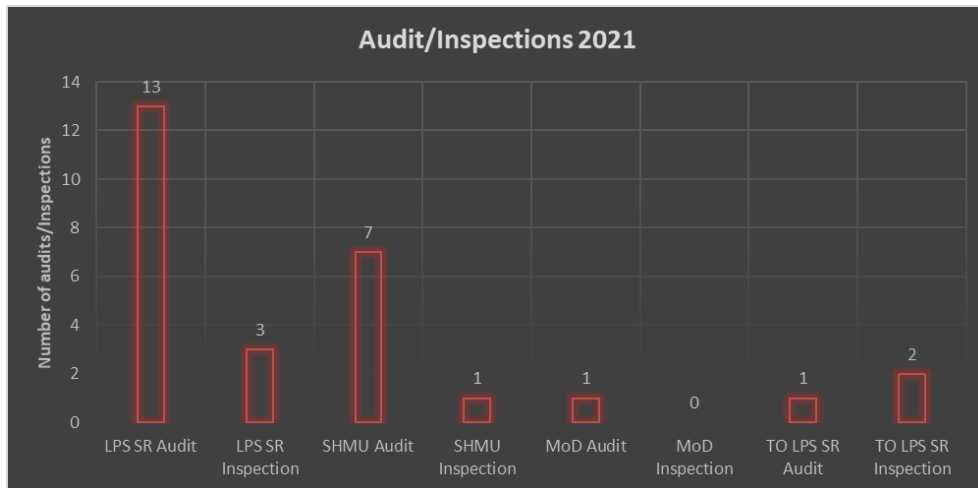
### OVERSIGHT CONTEXT

Service Provider	Location	Services	Number of Services
LPS SR, state enterprise	Bratislava ACC	ACC, ASM, ATFM, FIS, TO-U	5
LPS SR, state enterprise	Bratislava AD	APP, TWR, TO-U	3
SHMU <small>Slovak Hydrometeorological Institute</small>	Poprad	MET	1
LPS SR, state enterprise	Piešťany	APP, FIS, TWR, TO-U	4
LPS SR, state enterprise	Košice	APP, FIS, TWR, TO-U	4
LPS SR, state enterprise	Poprad	APP, FIS, TWR, TO-U	4
LPS SR, state enterprise	Žilina	APP, FIS, TWR, TO-U	4
SHMU	Piešťany	MET	1
SHMU	Žilina	MET	1
SHMU	Košice	MET	1
SHMU	Bratislava	MET	1
LPS SR, state enterprise, VS	Bratislava	TO - I	1
LPS SR, state enterprise	Bratislava CNS	CNS	1
LPS SR, state enterprise	Poprad CNS	CNS	1
LPS SR, state enterprise	Košice CNS	CNS	1
LPS SR, state enterprise	Bratislava AIS	AIS	1

### SAFETY ISSUES IDENTIFIED THROUGH THE SAFETY OVERSIGHT PROCESSES OPERATED BY THE COMPETENT AUTHORITY

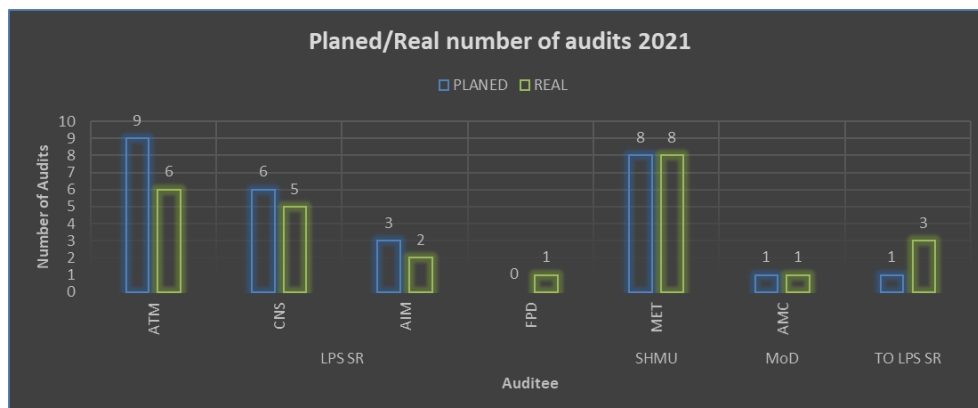
In 2021 year, the Transport authority has performed 28 audits/inspections:

- ➔ 19 in LPS SR (including Training Organization);
- ➔ 8 in SHMU;
- ➔ 1 in MoD



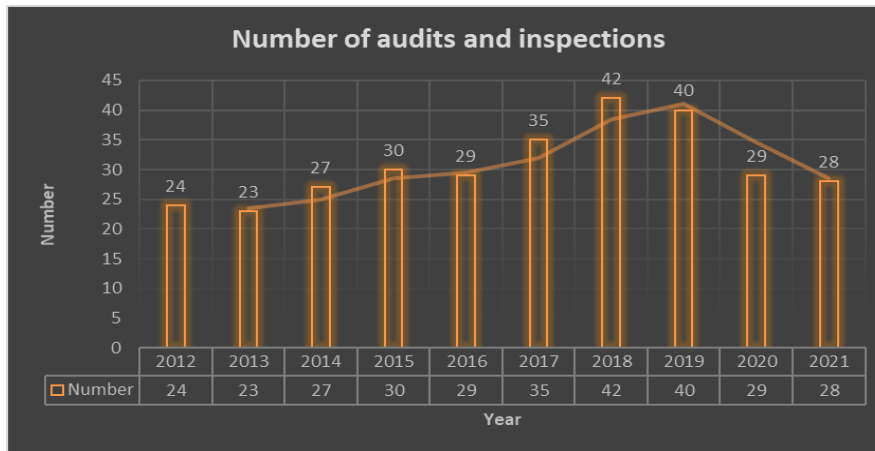
### Planned vs Real number of audits 2021

		PLANED	REAL		
LPS SR	ATM	9	6	✗	67
	CNS	6	5	⚠	83
	AIM	3	2	✗	67
	FPD	0	1	NIL	
SHMU	MET	8	8	✓	100
MoD	AMC	1	1	✓	100
TO LPS SR		1	3	✓	300



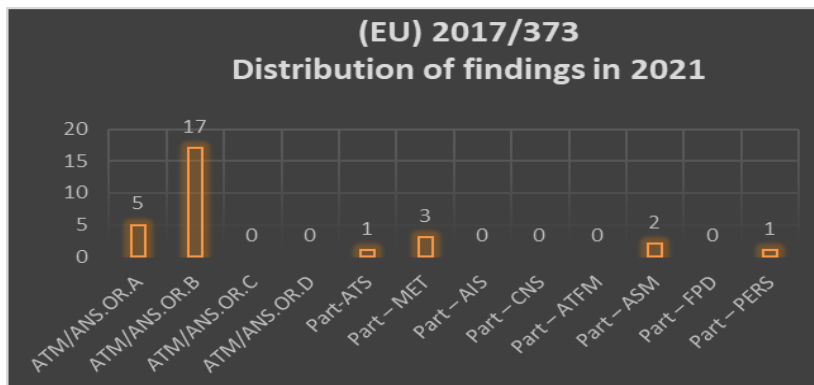


## Total number of audits and Inspections 2012-2021

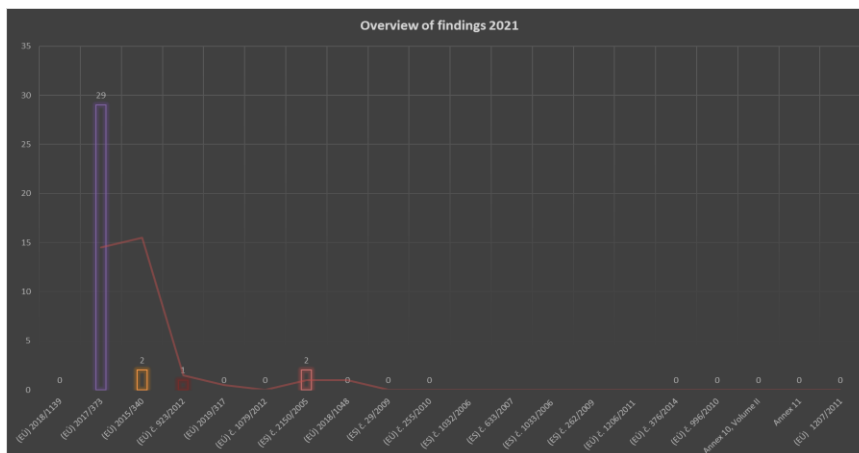


Number of audits in 2020 is decreasing in comparison with 2018 and 2019 and we are on level equal with year 2016. This decrease is mainly due to COVID 19. Some audits have been canceled and some substituted by desk-top audit.

## (EÚ) 2017/373 Distribution of findings in 2021



## General Distribution of findings



## Number of findings by organization 2021



Service providers were requested to provide corrective action plans and implementation plans, which were evaluated by the Competent Authority. All plans were acceptable and were approved. All the corrective actions and implementation plans have been verified or will be verified during the follow-up audits.

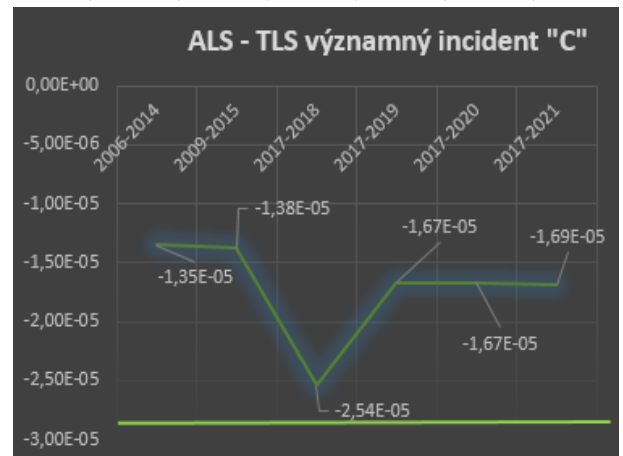
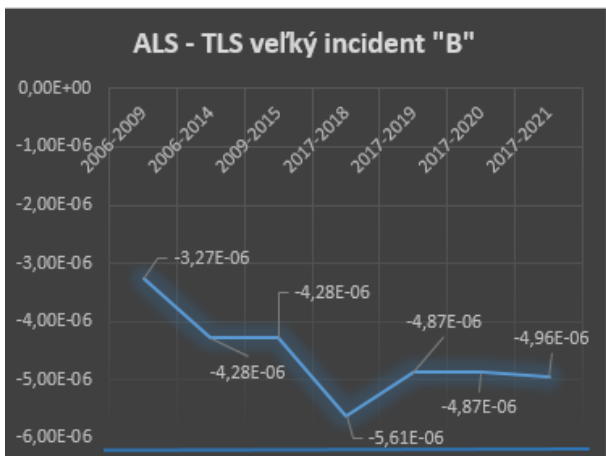
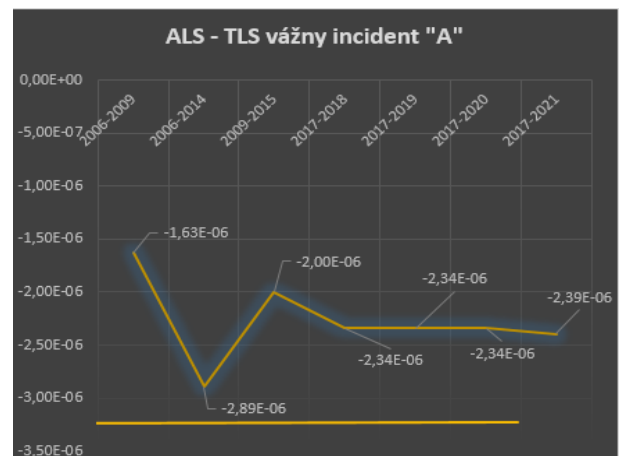
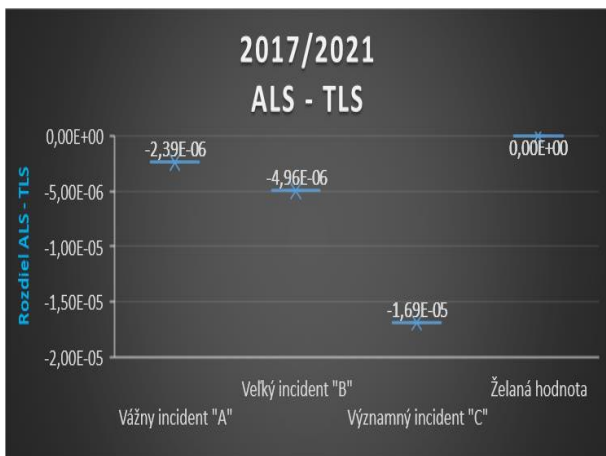
For period 2020-2024 Transport Authority has set the Target Level of Safety “TLS” for LPS SR. These TLS are used as monitoring tool for Safety Domain. Comparison of Actual Level of Safety “ALS” in relation to TLS is performed every six months.

Effect on Operations	Severity Class	Target Level of Safety TLS for 3rd. Reference period 2020-2024
Accident	-	N/A
Serious incidents	A	3,27E-06 (3,27*10 <sup>-6</sup> )
Major incidents	B	6,54E-06 (6,54*10 <sup>-6</sup> )
Significant incidents	C	2,71E-05 (2,71*10 <sup>-5</sup> )

#### Level of safety (Actual Level/Target Level) course in time

	YEARS	ALS	TLS 2016	TLS 2017-2024	ALS-TLS
Serious incidents "A"	2006-2009	1,64E-06	3,27E-06		-1,63E-06
	2006-2014	3,76E-07	3,27E-06		-2,89E-06
	2009-2015	1,27E-06	3,27E-06		-2,00E-06
	2017-2018	9,28E-07		3,27E-06	-2,34E-06
	2017-2019	9,32E-07		3,27E-06	-2,34E-06
	2017-2020	9,28E-07		3,27E-06	-2,34E-06
	2017-2021	8,77E-07		3,27E-06	-2,39E-06
	2006-2009	3,27E-06	6,54E-06		-3,27E-06
	2006-2014	2,26E-06	6,54E-06		-4,28E-06

<b>Major incidents "B"</b>	2009-2015	2,26E-06	6,54E-06		-4,28E-06
	2017-2018	9,28E-07		6,54E-06	-5,61E-06
	2017-2019	1,67E-06		6,54E-06	-4,87E-06
	2017-2020	1,67E-06		6,54E-06	-4,87E-06
	<b>2017-2021</b>	<b>1,58E-06</b>		<b>6,54E-06</b>	<b>-4,96E-06</b>
<b>Significant incidents "C"</b>	2006-2014	1,36E-05	2,71E-05		-1,35E-05
	2009-2015	1,33E-05	2,71E-05		-1,38E-05
	2017-2018	1,67E-06		2,71E-05	-2,54E-05
	2017-2019	1,04E-05		2,71E-05	-1,67E-05
	2017-2020	1,04E-05		2,71E-05	-1,67E-05
	<b>2017-2021</b>	<b>1,02E-05</b>		<b>2,71E-05</b>	<b>-1,69E-05</b>



## SAFETY DIRECTIVES

NO SAFETY DIRECTIVES were issued by Competent Authority in 2021.

**DOPRAVNÝ ÚRAD**  
TRANSPORT AUTHORITY

DC/F130-BN/1/1-1

**BEZPEČNOSTNÝ PŘÍKAZ**  
SAFETY DIRECTIVE

(vydané v súlade s čl. 13 vykonávacieho nariadenia Komisie (EÚ) 610/2011)  
(issued in accordance with Article 13 of Commission Implementing Regulation (EU) No 1034/2011)

Číslo Number	
Funktorateľ, ktorých navigačných služieb Air Navigation Service Provider	
Číslo certifikátu Certificate's reference number/code	
Identifikácia nebezpečného stavu The identification of the unsafe condition	
Identifikácia ovplyvneného funkčného systému The identification of the affected functional system	
Potrebné opatrenia s ich odôvodnením The actions required and their rationale	
Lehota na dosiahnutie súladu potrebných opatrení s bezpečnostným príkazom The time limit for compliance of the required actions with the safety directive	
Dátum nadobudnutia účinnosti Its date of entry into force	
Prílohy Remarks	

\_\_\_\_\_  
Dátum/Date

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Meno a Prívržisko  
riaditeľ Divisie civilného letectva  
Civil Aviation Division Director

## CONCLUSION

### *Main goals:*

- *All NSA Activities were modified due to COVID regulations.*
- *Three Training organizations for ATCO has terminated their services and certificates were returned to Transport Authority.*
- *Service provider on SLIAČ Air Base has terminated ATS, CNS service provision since 1-1-2021 until further decision.*
- *Agreement with EUROCONTROL for using CARMA software was signed.*

Bratislava 31/JAN/2022

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**Karol Lysina**  
Director of Air Navigation Services  
and Aerodromes Section