

2020

**Air Navigation Service Department
THE ANNUAL SAFETY OVERSIGHT REPORT**



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Bratislava 31.12.2020

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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.

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 (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 (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 Air Navigation Services 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,
- ➔ Supervision of Air Navigation Services and Air Traffic Management,
- ➔ Supervision 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.

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

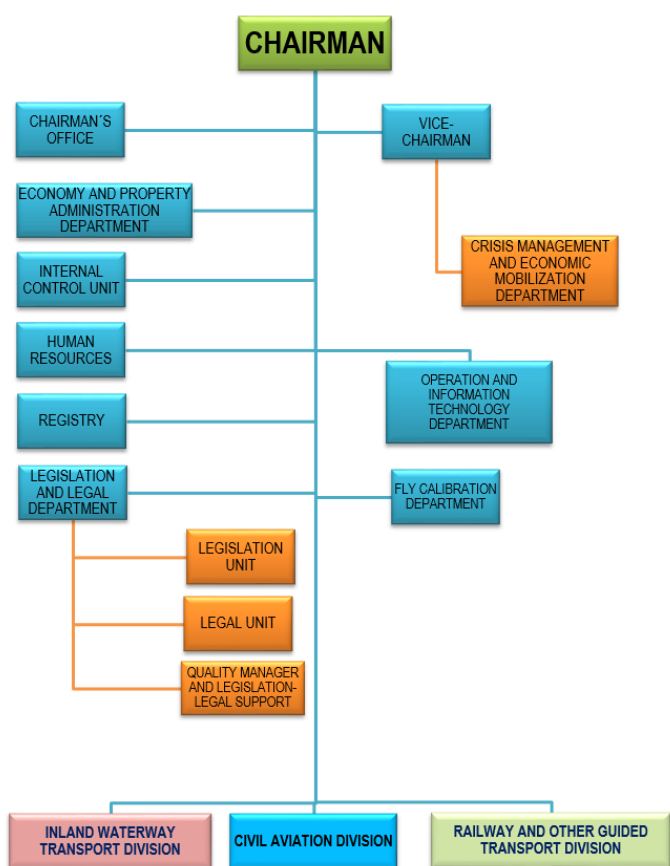
- *Enforcement actions in case of non-compliance with safety regulatory requirements: TA is acting as certifying authority and MoT as designating authority. Enforcement actions are linked accordingly to scope of responsibility.*
- *Sanctions:*

- *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.*

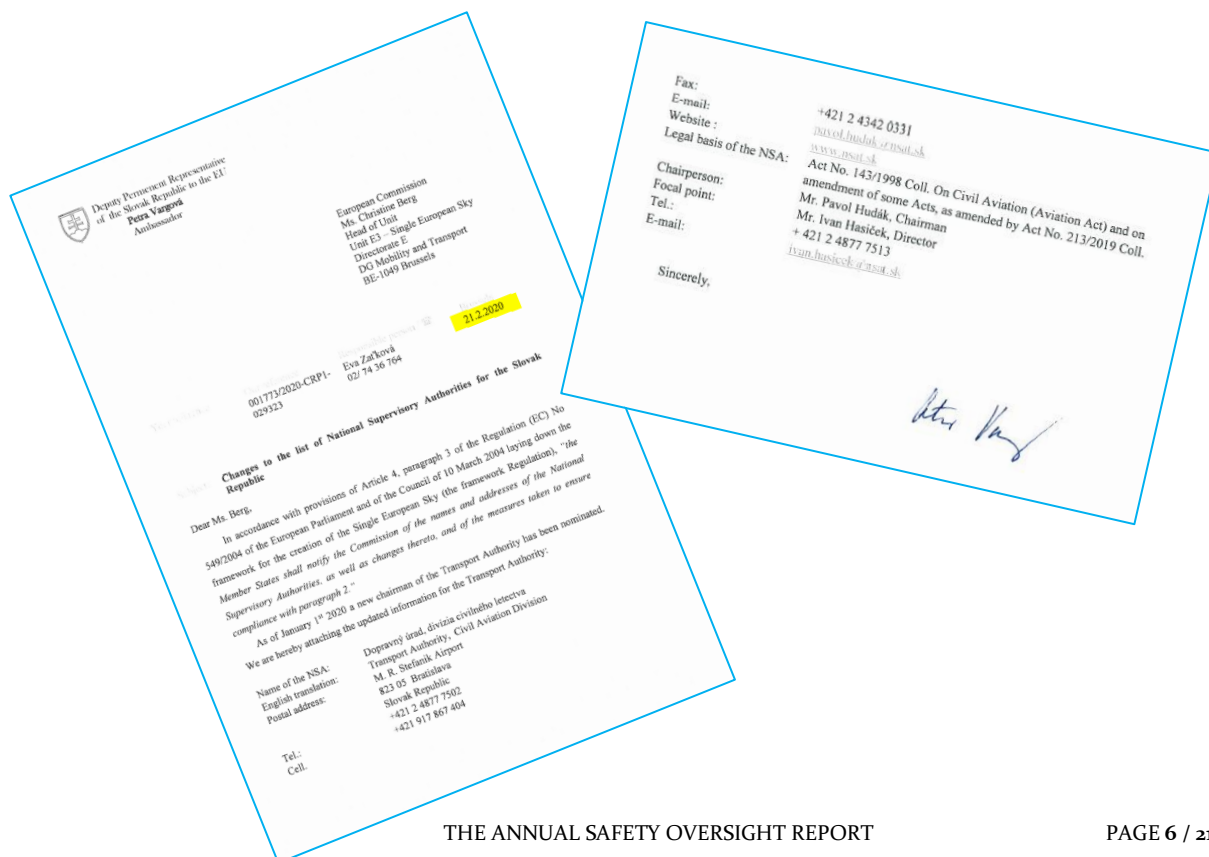
ADMINISTRATION IN THE CIVIL AVIATION OF THE SLOVAK REPUBLIC

- *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



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.
- SEENFRA SouthEast European Night Free Route Airspace within Bratislava FIR above FL 245

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

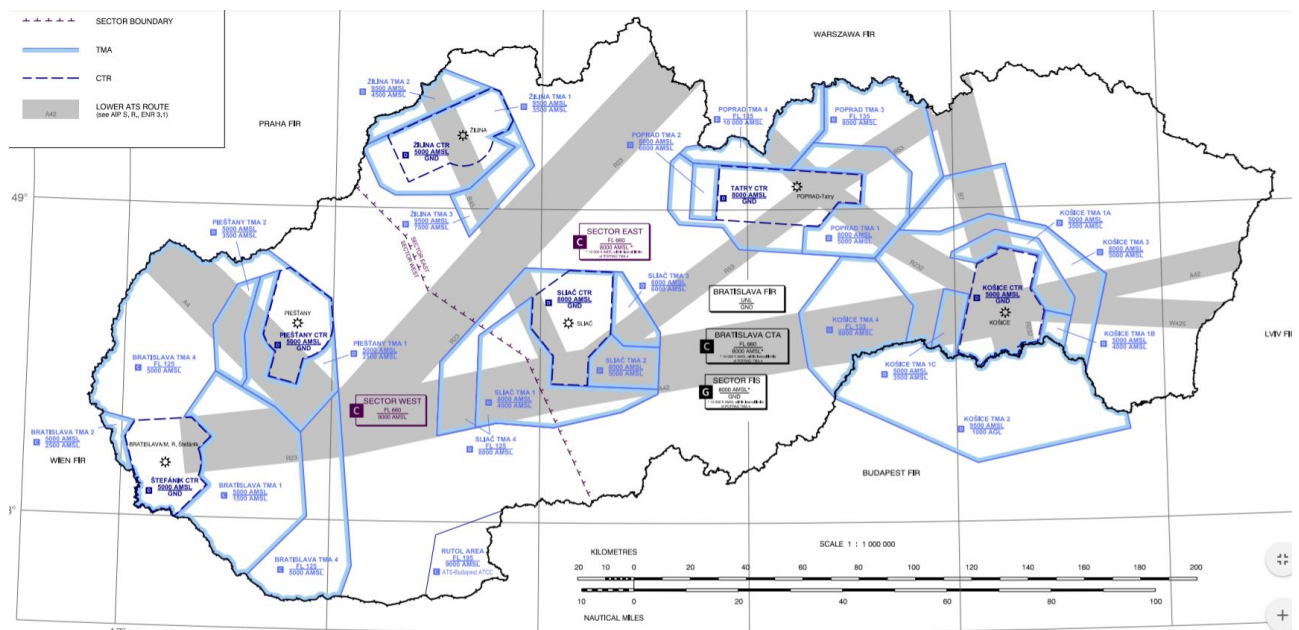
TMA 2 KOŠICE

- 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

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

Name of the ANSP:	Letové prevádzkové služby Slovenskej republiky, štátny podnik (LPS SR)		
Governance:	State enterprise	Ownership:	Slovak Republic
Services provided	Y/N	Comment	
ATC en-route	Y		
ATC approach	Y		
ATC Aerodrome(s)	Y		
AIS	Y		
CNS	Y		
MET	N	Provided by Slovak Hydrometeorological Institute	
ATCO training	Y		
Others	N/A		
Additional information:			
Provision of services in other State(s):	Y	HU	

Name of the ANSP:	Slovak Hydrometeorological Institute (SHMÚ)		
Governance:	State organisation	Ownership:	Slovak Republic
Services provided	Y/N	Comment	
ATC en-route	N		
ATC approach	N		
ATC Aerodrome(s)	N		
AIS	N		
CNS	N		
MET	Y		
ATCO training	N/A		
Others	N/A		
Additional information:			
Provision of services in other State(s):	N		

Name of the ANSP:	MoD- Air Force of the Slovak Republic (MoD- VzS OS SR)		
Governance:	State organisation	Ownership:	Slovak Republic
Services provided	Y/N	Comment	
ATC en-route	N		
ATC approach	Y		
ATC Aerodrome	Y		
AIS	N	At Sliač Airport provided by Letové prevádzkové služby SR, š. p.	

CNS	Y	
MET	N	At Sliač Airport provided by Slovak Hydrometeorological Institute
ATCO training	Y	Only unit training
Others	N/A	
Additional information:		
Provision of services in other State(s):	N	

CERTIFIED ATCO TRAINING ORGANIZATIONS

Akadémia ozbrojených síl generála Milana Rastislava
Štefánika, Demänová 393, 031 01 Liptovský Mikuláš 1,
IČO: 37 910 337

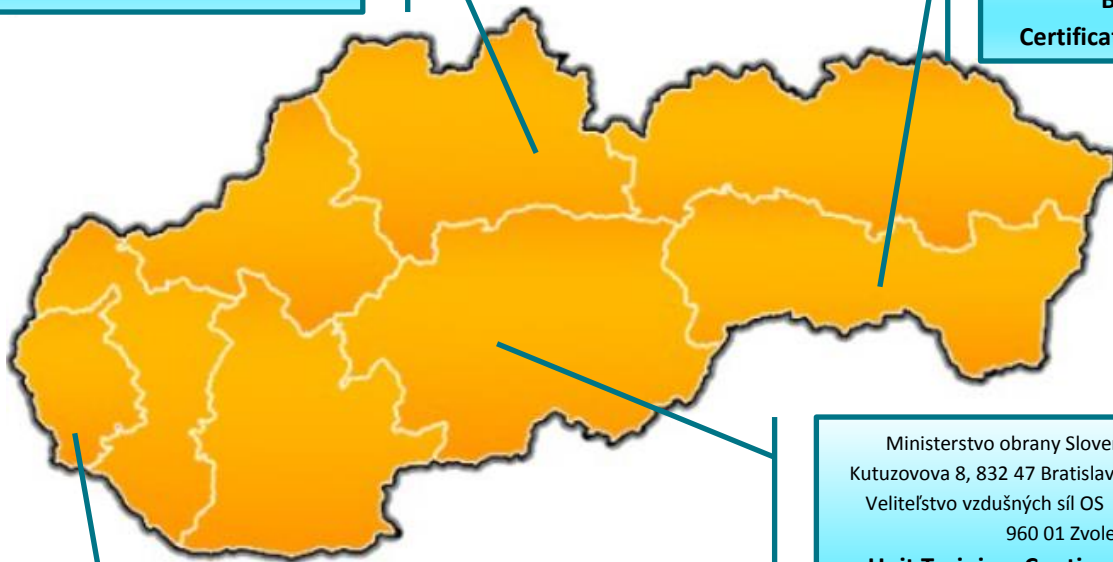
Rating training

Certificate: SVK ATCO.TO/04

Letecká fakulta Technickej univerzity v
Košiciach,
Rampová 7, 041 21 Košice,
IČO: 00 397 610

Basic Training

Certificate: SVK ATCO.TO/02



Ministerstvo obrany Slovenskej republiky,
Kutuzovova 8, 832 47 Bratislava, IČO: 30 845 572 -
Veliteľstvo vzdušných síl OS SR, Jána Jiskru 10,
960 01 Zvolen

Unit Training, Continuation Training

Certificate: SVK ATCO.TO/03

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

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 2020.



NSA - HUMAN RESOURCES

Existing levels of resources of the competent authority

For HR assessment for year 2020 WEB - application CARMA¹ 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.



STAFFING COMPETENCY

	2020
	Current Year
Number of FTEs	5.03
Y2Y Change	0.00
Number of Departures	1.00
Turnover Rate	-
Sharing/Outsourcing	N
Positions	9
- Filled	8
- Vacant	1
Qualified Inspectors	8
Not Qualified Inspectors	0
Staff Attending Training	0

AVAILABILITY

RESOURCE TYPE USED	2020
Staff	1329.0
Support from Other CA Departments	5.0
TOTAL Days	1334.0
TOTAL FTEs	5.13

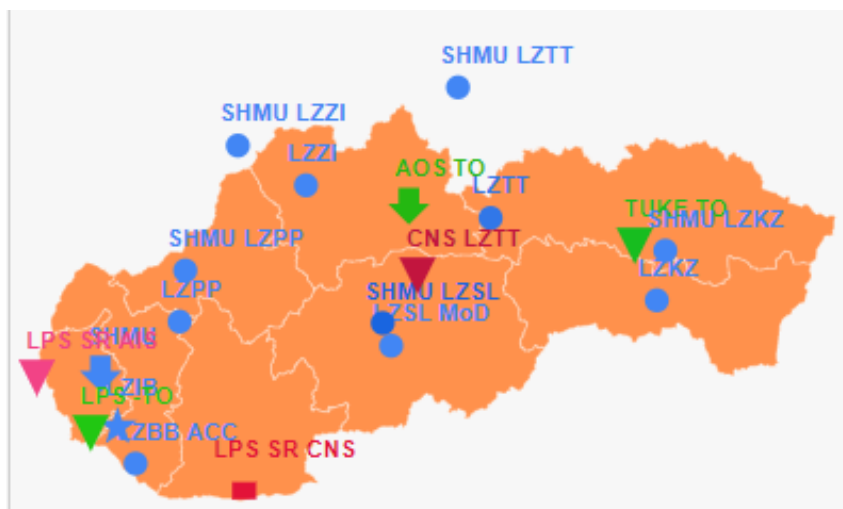
STAFFING LEVEL		2020
DAYS	Required	1706.00
	Availability	1334.00
	Staffing Level (Surplus/Shortage)	-372.00
FTEs	Required	6.56
	Availability	5.13
	Staffing Level (Surplus/Shortage)	-1.43

¹ Whole assessment on <https://ext.eurocontrol.int/carma/pages/welcome.xhtml>

SAFETY OVERSIGHT

OVERSIGHT CONTEXT

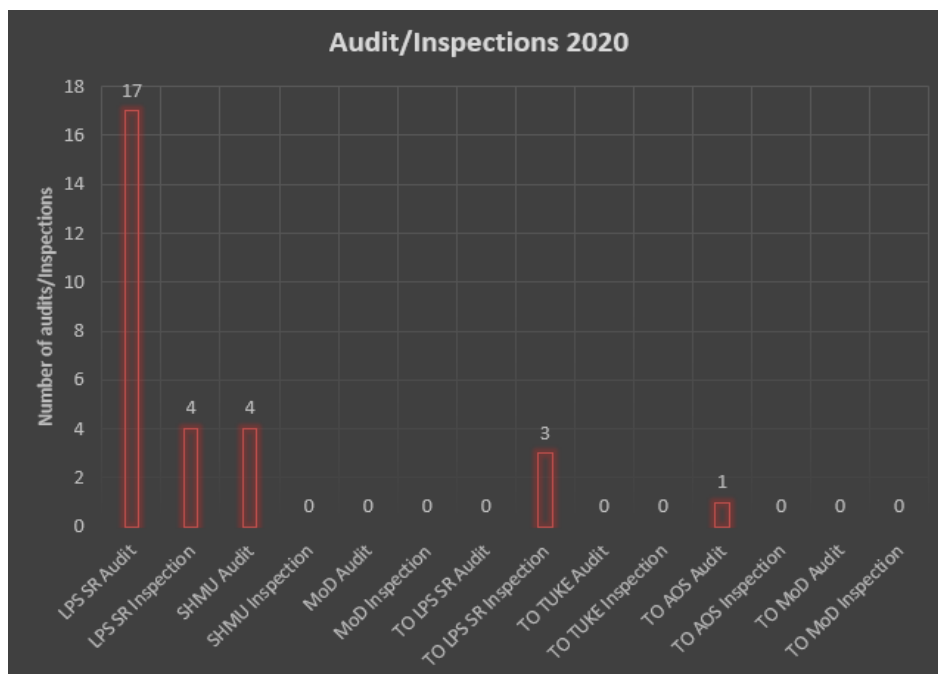
Service Provider	Location	Services	Number of Services
LPS SR, state enterprise	Bratislava ACC	ACC, ASM, ATFM, FIS, TO-U	5
LPS SR, state enterprise	Bratislava airport	APP, TWR, TO-U	3
Ministry of Defence	Sliač	APP, CNS, FIS, TWR, TO-U	5
Slovak Hydrometeorological Institute	Poprad	MET	1
LPS SR, state enterprise	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
TUKE Technical University	Košice	TO - I	1
Slovak Hydrometeorological Institute	Piešťany	MET	1
Slovak Hydrometeorological Institute	Žilina	MET	1
Slovak Hydrometeorological Institute	Košice	MET	1
Slovak Hydrometeorological Institute	Sliač	MET	1
Slovak Hydrometeorological Institute	Bratislava	MET	1
AOS Liptovský Mikuláš	Mikuláš	TO - I	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

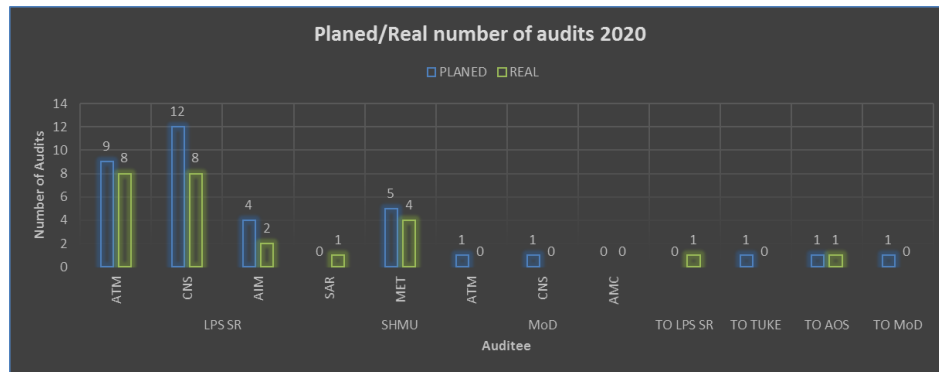
In 2020 year, the Transport authority has performed 29 on-site audits/inspections:

- 24 in LPS SR (including Training Organization);
- 4 in SHMU;
- NIL in MoD- Air Force of the Slovak Republic (including Training Organization);
- NIL in TO Košice;
- 1 in TO AOS Liptovský Mikuláš

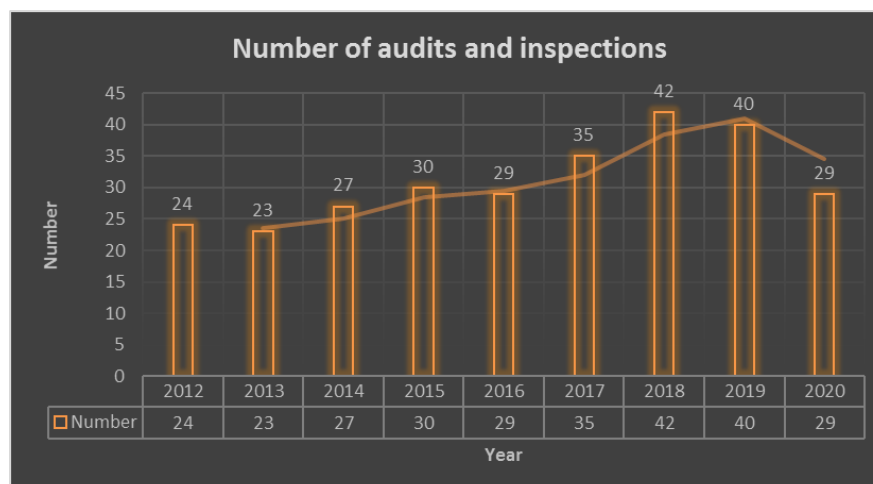


Planned vs Real number of audits 2020

		PLANED	REAL		%
LPS SR	ATM	9	8	!	89
	CNS	12	8	✗	67
	AIM	4	2	✗	50
	SAR	0	1	✓	100
SHMU	MET	5	4	!	80
MoD	ATM	1	0	✗	-
	CNS	1	0	✗	-
	AMC	0	0	✗	-
TO LPS SR		0	1	✓	100
TO TUKE		1	0	✗	-
TO AOS		1	1	✓	100
TO MoD		1	0	✗	-

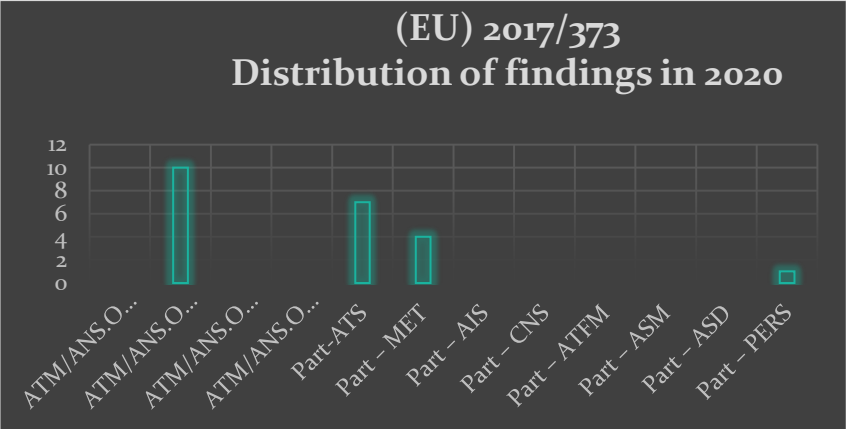


Total number of audits and Inspections 2012-2020

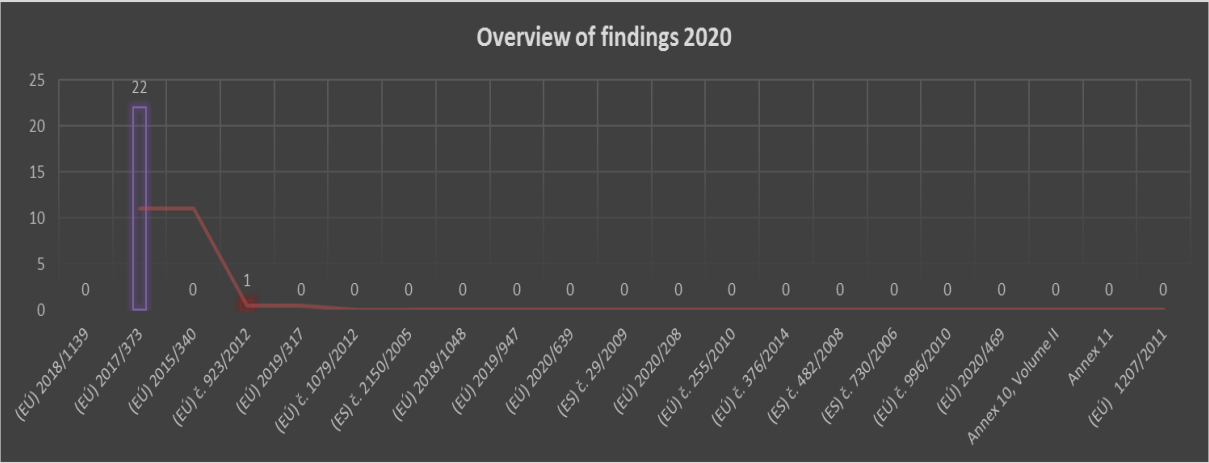


Number of audits in 2020 is decreasing in comparison with 2018 and 2019 and we are on level equal with year 2016. This decrease is mainly due to COVID 19. Some audits have been canceled and some substituted by desk-top audit.

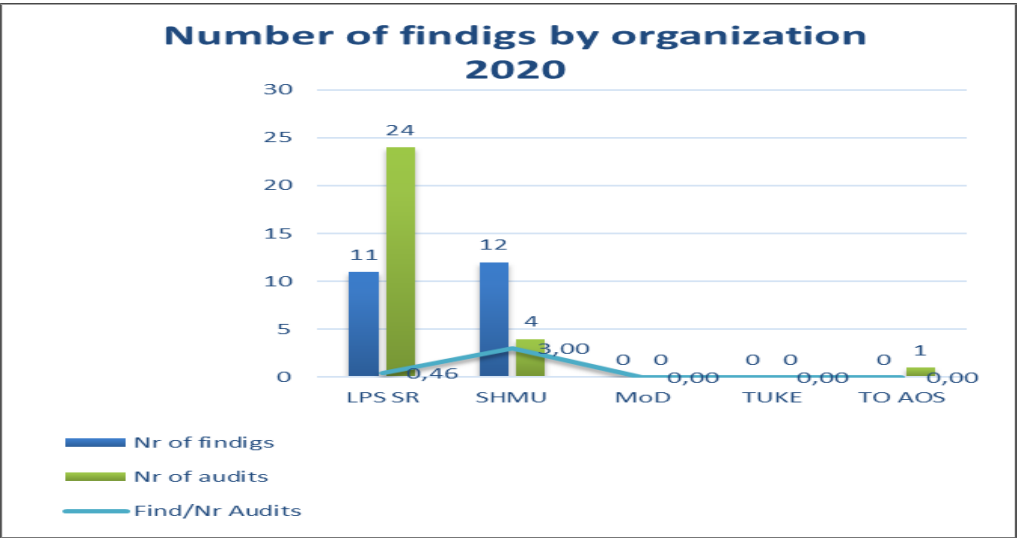
(EÚ) 2017/373 Distribution of findings in 2020



General Distribution of findings



Number of findings by organization 2020



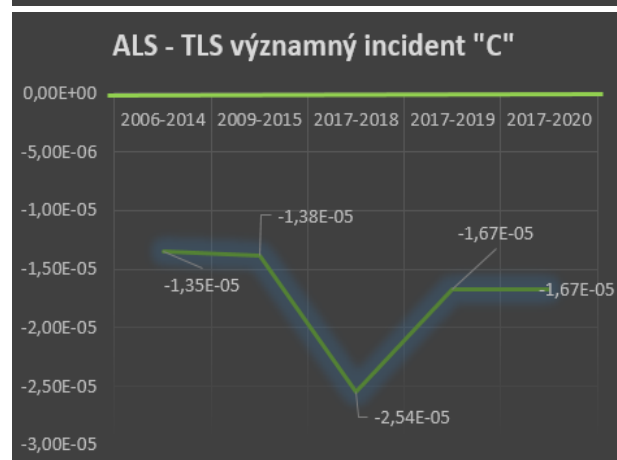
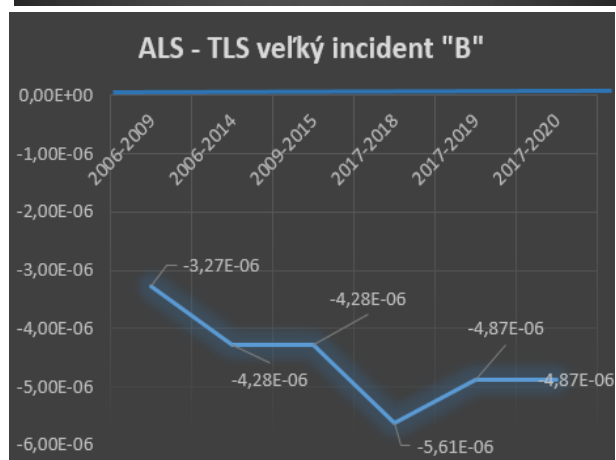
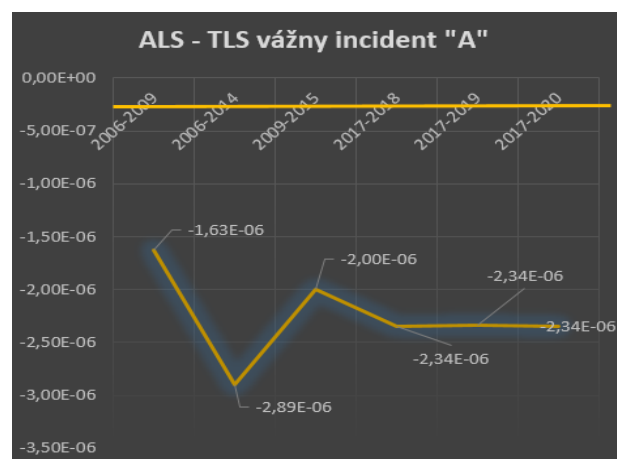
Service providers were requested to provide corrective action plans and implementation plans, which were evaluated by the Competent Authority. All plans were acceptable and were approved. All the corrective actions and implementation plans have been verified or will be verified during the follow-up audits.

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 ⁻⁶)
Major incidents	B	6,54E-06 (6,54*10 ⁻⁶)
Significant incidents	C	2,71E-05 (2,71*10 ⁻⁵)

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
Major incidents "B"	2006-2009	3,27E-06	6,54E-06		-3,27E-06
	2006-2014	2,26E-06	6,54E-06		-4,28E-06
	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
Significant incidents "C"	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



SAFETY DIRECTIVES

NO SAFETY DIRECTIVES were issued by Competent Authority in 2020.

DOPRAVNÝ ÚRAD
TRANSPORT AUTHORITY

BEZPEČNOSTNÝ PRÍKAZ
SAFETY DIRECTIVE

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

Číslo
Number

Poskytovateľ letových 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 a ich odôvodnenie
The actions required and their rationale

Lehoty 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

Poznámky
Remarks

Dátum Date

Meno a Prívrisko
riaditeľ Divisie civilného letectva
Civil Aviation Division Director

CONCLUSION

Main goals:

- *All NSA Activities were modified due to COVID regulations.*
- *Certificates of Service Providers were replaced by new version based on (EU) 2017/373.*
- *New Training organization for ATCO has obtained certificate based on (EU) 2015/340.*
- *Service provider on SLIAČ Air Base will terminate ATS, CNS service provision since 1-1-2021 until further decision.*

Bratislava 18/DEC/2020



Martina Chibelová
Head of Air Navigation Services
Department