



Civil Aviation Authority of Republic of Moldova  
(National Supervisory Authority for ATM/ANS)

APPROVED:

Director CAA RM

  
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**THE ANNUAL SAFETY OVERSIGHT REPORT**

**YEAR 2019**

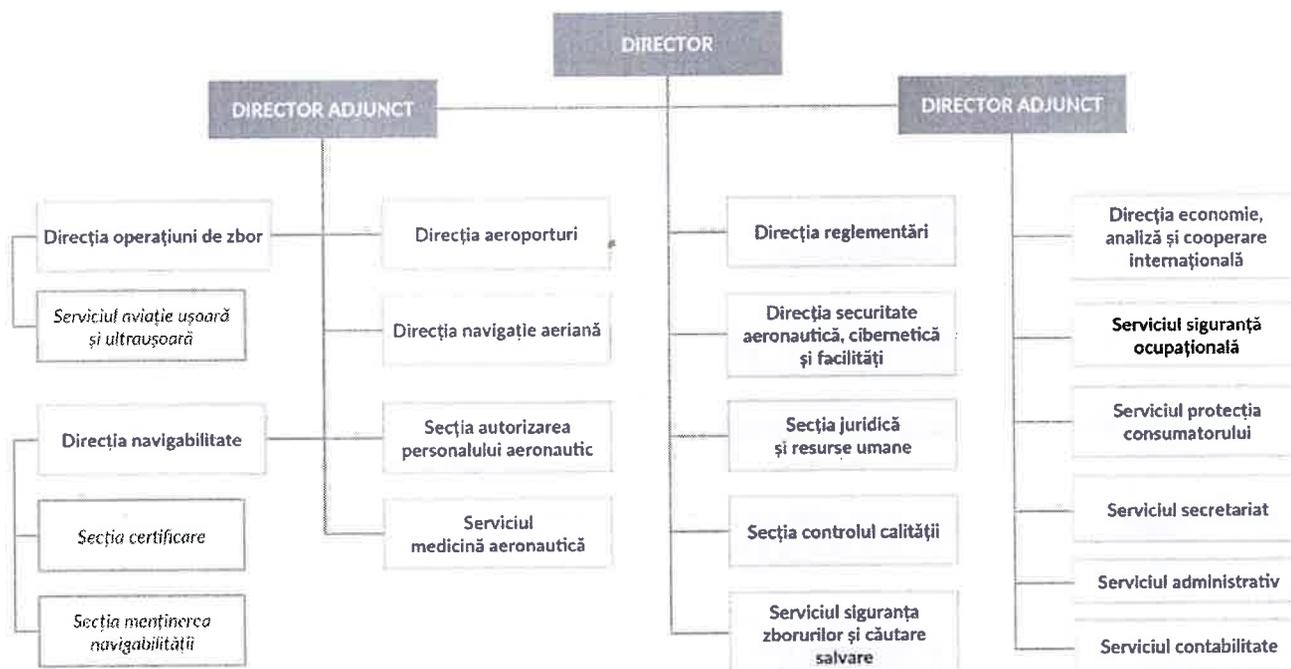
This report is prepared pursuant to Article 7 (1) of Aviation Code or RM Nr.301 from 21.12.2017, RAC ANSPC 0005 (4) and PIAC SSNA Part I (5.5), considering as a guidance the provisions of the Article 15 of the **COMMISSION IMPLEMENTING REGULATION (EU) No 1034/2011 of 17 October 2011 on safety oversight in air traffic management and air navigation services and amending Regulation (EU) No 691/2010**

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# 1. Organizational structure and procedures of the CAA/NSA for ATM/ANS of the Republic of Moldova

## 1.1 Moldovan CAA organizational structure



## 1.2 Structure and the components of the NSA for ATM/ANS

The functions of the National Supervisory Authority for ATM/ANS are jointly provided by the following divisions of the Moldovan CAA:

- I. Air Navigation Division – focal point and coordinator of all oversight processes related to providers of ATM/ANS
- II. Aviation Personnel Licensing Section
- III. Aviation Security Division
- IV. SMS and SAR Service
- V. Economic and Analysis Division
- VI. Rulemaking Division

During the Year 2019, the National Supervisory Authority for ATM/ANS, continued to exercise its power impartially, independently and transparently, in accordance to approved procedures and applicable regulation framework. The CAA's management provided divisions stated above (acting as NSA for

ATM/ANS) with necessary resources to support their capabilities to carry out the tasks assigned to them in an efficient and timely manner.

### 1.3 NSA procedures

During the Year 2019, following procedures were used by NSA to comply the tasks associated with functions, delegated by Primary Aviation Legislation (Aviation Code), Civil Aviation Regulation – Certification of ANSP, other national laws.

Nr	Procedure	Edition
1	Civil Aviation Procedure and Instructions – Oversight of ANS, Part I – “Certification and ongoing oversight of ANSP” (PIAC SSNA Part I)	Edition 01, March 2019
2	Civil Aviation Procedure and Instructions – Oversight of ANS, Part II – “ Safety Oversight of Changes in ATM/ANS functional systems” (PIAC SSNA Part II)	Edition 01, March 2019
3	Civil Aviation Procedure – “Approval and safety oversight of instrument flight procedure design organization”	Edition 1, February 2017
4	Civil Aviation Procedure – “Identification, assessment and reporting of air navigation deficiencies”	Edition 1, March 2017
5	Procedure on Approval of Instrument Flight Procedure (part of TR-on Design, verification and approval of IFP)	Edition 1, September 2016
6	Procedure on issue, amending and revalidation of Authorization on installation and use of radio transmitters ( part of RAC-ATE)	Edition January 2006
7	Regulations on Aeronautical Inspections	Edition, July 2018
8	ANS Guidance on Inspection	Edition 04, April 2019
9	Regulation on Air Navigation Commission	Edition May 2018
10	Procedure on issue, validation, prolongation of ATCo Licenses ( part of RAC-APL)	Edition 2, January 2014
11	PI.SMS.ADS – “Safety Data Analyze Procedure”	Edition 01, April 2019
12	Occurrences Reporting Procedure (part of RAC-REAC)	Edition 01, 17.02.2007
13	Procedure on SMS implementation assessment (part of SMS Regulation)	Edition 01, January 2014, Am 02 July 2017
14	Procedure regarding review of proposals/approvals and monitoring of amendments to ICAO documents	Edition 1, 25.05.2016

## 1.4 NSA activities during 2019

### I. Rulemaking issues

During 2019, NSA elaborated or supported the elaboration/actualization/amendment of the following national documents which regulates, or have indirect effect on the provision of ATM/ANS

Nr	Procedure	Actions
1	CT-RA –Technical requirements. Rules of the air	amended 01.08.2019
2	CT-ATS - Technical requirements. Air traffic services.	amended 21.08.2019
3	CT-AIS-Technical requirements. Aeronautical information services	amended 22.01.2019
4	ANS Division Internal Procedures Manual	elaborated second edition June 2019
5	Draft of the National Regulation transposing COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying down common requirements for providers of air traffic management/air navigation services and other air traffic management network functions and their oversight, repealing Regulation (EC) No 482/2008, Implementing Regulations (EU) No 1034/2011, (EU) No 1035/2011 and (EU) 2016/1377 and amending Regulation (EU) No 677/2011	drafted October 2019
6	ANS Division Management Manual	elaborated Initial edition November 2019
7	NSA handbook	elaborated edition 01, June 2019
8	Procedure for allocation of TSA/TRA for occasional /or short term activities	elaborated December 2019

### II. Safety oversight inspections and audits

The main processes of ongoing safety oversight in cycle 2018-2019 remained planned and ad-hoc inspections, surveys, interviews and collecting information via safety reporting system. The safety oversight inspections were focused on verification whether ANSP remains in compliance with Certification

Requirements stated in the national regulation RAC-ANSPC, elaborated based on provisions of EC Regulation 2096/2005.

In period September 2019 - December 2019 the ANSP passed through a certification process, which finished with the issuance of a new ANSP Certificate with the validity 01.12.2021. During the certification process the results of the ongoing oversight activities have been used. The oversight of technical and operational competence and capability, organizational structure and management, economic and financial capacity and quality of services was ensured by both desktop and on-site inspections. During desktop inspections were reviewed provider's documentation system (operations manuals, procedures, job descriptions), business plan, annual safety report, insurance coverage, etc. During on-site inspections were checked the implementation of those documented. On-site inspections were performed according to the annual oversight inspections program, which was elaborated by Head of the Air Navigation Division and approved by the CAA RM Director.

Thus, during 2019, NSA performed 13 safety oversight inspections of S.E. MoldATSA – designated Air Navigation Services Provider. 11 of them were - planned inspections and 2 were – ad-hoc, having as a base a number of safety events occurred (reported) during 2019.

### **III. Safety oversight of changes in ATM/ANS functional systems**

In 2019, S.E. MoldATSA notified NSA on 3 modifications in to functional systems. One of them were classified as minor (not requiring NSA's review and acceptance prior introduction in to operation) and two as major - associated with redesign of airspace elements and implementation of operation's transition from Runway 26/08 to 09/27 and vice versa on Chisinau International Airport. Both major modifications were (one is still in progress) subject of NSA's review and acceptance issue prior starting their effective operations.

### **IV. Approvals / Acceptance of ANSP Manuals**

A number of ANSP's manuals (amendments to them) were reviewed during 2019 by NSA's experts in order to issue their approval or acceptance (as appropriate). These were:

- a) Quality Assurance Program;
- b) SMS Manual and associated procedures;
- c) Manual on Training and Competence Assessment of Aeronautical Meteorological Personnel;
- d) Aviation Security Program;
- e) Organization exposition ( MEMORIU MOLDATSA);
- f) ATC operational manual and operational procedures;

### **V. Analyzing of ATM related incidents and other safety event**

Despite fact that, NSA is not delegated with functions of aviation incidents / accidents investigations – the NSA's experts were involved in analyzing of a number of safety events in order to identify the weaknesses and deficiencies in the existing oversight and regulatory system and by implementing of appropriate corrective actions to contribute to the prevention of event to be occurred again in the future. Thus, during 2019, the ANS Division's personnel analyzed the safety data in respect with the following events:

<b>Nr.</b>	<b>Event description</b>	<b>Date of occurrence</b>
1	Damage of aircraft Sting TL2000(0029) after landing on field near Briceni city	07.07.2019

2	Unauthorized flight in the national airspace. (Boeing 737-800 /OE-IDA)	25.04.2019
3	Departure of the helicopter from Chisinau aerodrome without take off clearances (Mi2/ER-20121)	28.06.2019
4	Penetration of segregated area LU TSA03 by aircraft A320/EK32002	23.06.2019
5	Take off from occupied RWY (A319/ER00002)	30.09.2019
6	ATS Technical Events. Loss of radar surveillance data	13.05.2019
7	Deviation form ATS authorization B734/URCQX	23.04.2019

#### **VI. Verification and approval of Instrument Flight Procedures**

During 2019, the NSA's experts were involved in review and approval processes of following Instrument Flight Procedures:

- i. RNP RWY 08 (LNAV ONLY) LUKK;
- ii. RNP RWY 08 (LNAV/VNAV ONLY) LUKK;
- iii. RNP RWY 26 (LNAV ONLY) LUKK;
- iv. RNP RWY 26 (LNAV/VNAV ONLY) LUKK ;
- v. RNP RWY 09 (LNAV ONLY) LUKK;
- vi. RNP RWY 09 (LNAV/VNAV ONLY) LUKK;
- vii. RNP RWY 27 (LNAV ONLY) LUKK;
- viii. RNP RWY 27 (LNAV/VNAV ONLY) LUKK.

Also, during 2019 the NSA's experts reviewed the Report presented by S.E. MOLDATSA regarding the reevaluation of the following Flight Instrument Procedures for aerodrome LUBM (Marculesti):

- i. STAR ICAO RNAV GNSS RWY 07;
- ii. STAR ICAO RNAV GNSS RWY 25;
- iii. RNAV GPS RWY 07;
- iv. RNAV GPS RWY 25;
- v. SID ICAO RNAV GNSS RWY 07;
- vi. SID ICAO RNAV GNSS RWY 25.

#### **VII. Exercises, simulations, trainings related to contingency plans**

In 2019, NSA experts together with experts from S.E. MoldATSA participated to the annually organized exercises, during which is simulated operation in condition of Volcano Eruption. In VOLCEX19 Exercise were involved the experts from ATS, MET and AIM services, as well as the one of the national air operators. The exercise helped every participant to see its capability to manage the situation during this phenomenon and to understand what is to be improved and what procedures are to be adjusted. Also, a series of the workshops were organized during 2019 under the EUROCONTROL Support to State Project (Performance Plan. Measurement and monitoring; CARMA – Civil Aviation Resource

Management). The practice of common (NSA and ANSP) trainings and coaching will continue in 2020 as well, considering the benefits resulted from such a events (better understanding of the legal framework, the same views to processes and needs, personal contacts etc.)

## **2. Airspace and Services Providers under the responsibility of National Supervisory Authority of the Republic of Moldova**



In 2019, the air navigation services in Republic of Moldova have been continuously provided by the – State Enterprise” MoldATSA” (Moldavian Air Traffic Services Authority) – the certified and designated ANS provider.

“MoldATSA” – was created in 1994 in accordance with the Government Resolution No.3 of 12 January 1994. At present time, “MoldATSA” is an autonomous 100% State owned enterprise, operating on a self-financing basis, being administrative subordinated to the Public Property Agency, according to the Government Decision Nr. 902 from 06.11.2017. Actually, the number of employees is equal to 281 persons. “MoldATSA” is certified (ANSP Certificate Nr.002) by Moldovan CAA/NSA to provide following air navigation services:

1. Air Traffic Services (ATS);
2. Aeronautical Meteorological Services (MET);
3. Aeronautical Information Services (AIS);
4. Communication, Navigation, Surveillance Services (CNS);

Beside services mentioned above, MoldATSA is also approved by CAA RM to provide:

1. Design of the Instrument Flight Procedures,
2. Functions related to Air Traffic Flow Management (in collaboration with Network Manager, represented by EUROCONTROL),

### 3. ASM Level 2 and 3 (indirect designation, via specific regulation)

All this services and functions are provided by S.E. MoldATSA within Chisinau Flight Information Region and in respect to aerodromes located within territory of RM. No any cross border services are provided by S.E. MoldATSA.

### 3. Qualified entities commissioned to conduct safety regulatory audits

No qualified entities were commissioned by Moldovan CAA to conduct safety regulatory audits during 2019.

### 4. Existing levels of resources of the NSA

Moldovan CAA/NSA staff activates in comfortable working conditions, using modern communication and data processing equipment (PC, Xerox, etc.). The available human resources (described in the NSA Handbook) permit to assure performing of safety oversight processes and tasks. The rulemaking and inspection staff are enough trained and qualified to elaborate aviation legislation framework and to conduct inspections at a high level standard. The competence of the staff is maintained through the external trainings provided by the Institute of Air Navigation Services (IANS, Luxemburg), ICAO regional training centers and EASA.

### 5. Safety issues identified through the safety oversight processes

During 2019, the NSA inspectors performed the inspections as shown in the table below:

Safety oversight inspections performed in 2019			
Nr	Inspection No.	Inspection's Criteria	Number of findings
1	METHOD OF WORKS. OPERATIONAL PROCEDURES. ATCO TRAINING (TWR, APP CHISINAU) (CTA0119)	RAC-ANSPC 0090; 0045, Unit Training Plan MoldATSA, Instrucțiuni de lucru TWR și APP	-
2	TECHNICAL AND OPERATIONAL COMPETENCE AND CAPACITY. METHOD OF WORKS AND OPERATIONAL PROCEDURES(TWR Bălți / Mărculești) (CTA0219)	RAC-ANSPC 0010 , 0090	2 Observations
3	VERIFICATION OF INFORMATION REPORTED IN THE „RAPORTUL INVESTIGAȚIE INCIDENT AERONAUTIC” BY THE ATC TRADE UNION AND IMPLEMENTATION OF THE CORRECTIVE	RAC-ANSPC 0010;	9 Observations

	ACTION PLAN DEVELOPED IN RESPECT TO THE RECOMANDATION CONTAINED IN THE INTERNAL INVESTIGATION REPORT NR. DMSC 098_2019/IND (CTA-INOP-0119) – inspecție inopinată		
4	FOLLOW UP ÎNSPECTION TO VERIFY THE IMPLEMENTATION OF THE CAP IN RESPECT TO FINDINGS REPORTED DURING INSPECTION FLP_MET_AH_10.09.18)	PIAC-SSNA Partea II; CT-MET Cap.4.3; Instrucțiunea privind observațiile meteorologice pe aerodromul Chișinău	-
5	HUMAN RESOURCES MANAGEMENT (MET0119)	RAC-ANSPC 0045; CT-CCPMA Cap.3, 4, 6	1 Observation
6	TECHNICAL AND OPERATIONAL COMPETENCE AND CAPACITY. METHOD OF WORKS AND OPERATIONAL PROCEDURES (AMSt Bălți / Mărculești) (MET0219)	RAC-ANSPC 0010 , 0095, 0100	2 Observations
7	ORGANIZATIONAL STRUCTURE. HUMAN RESOURCES MANAGEMENT. TECHNICAL AND OPERATIONAL COMPETENCE AND CAPACITY. METHOD OF WORKS AND OPERATIONAL PROCEDURES (SIA 0119)	RAC-ANSPC 0015(1),(2);0045; 0105(2); 0110(1); OACI Doc. 8126 Cap.3	-
8	COMPETENCE OF PROCEDURES DESIGNERS. SUPPLIERS EVALUATION. REQUIREMENTS TO HARDWARE AND SOFTWARE. (PPZI0119)	CT-PVAPZI 3.2; 2.1.7; 4.3	-
9	SAFETY OF SERVICE (CNS0119)	RAC-ANSPC 0120 (RAC-ANSPC 0075, RAC-ANSPC 0080, RAC-ANSPC 0085).	-
10	AD HOC INSPECTION Nr. 1150 from 24.04.2019	RAC-REAC CAPITOLUL 3	1 Nonconformity Cat.2 1 Observation
11	AVIATION SECURITY REQUIREMENTS (AVSEC0119)	RAC-ANSPC 0040	-
12	FINANCIAL STRENGTH. LIABILITY INSURANCE. PROPERTY. (Desktop) (GEN0119)	RAC-ANSPC 0050; 0055; 0070	-

QUALITY MANAGEMENT SYSTEM. QUALITY OF SERVICES. REPORTING REQUIREMENTS (Desktop) (GEN0219)	RAC-ANSPC 0030; 0060; 0065	-
Sumarul constatărilor		1 Nonconformity Cat 2;  15 Observations

On reported finding, service provider was requested to provide the corrective actions implementation plans, which were evaluated by the Air Navigation Division in order to ensure that the taken measures address the root cause of the non-conformities and prevent their reoccurrences in the future.

## 6. Safety Directives

No safety directives in respect to ATM/ANS were issued by NSA during 2019.

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18.12.2019