



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

**APPROVED:**

Acting Director CAA RM

 Vasile ŞARAMET

“ 05 ” 05 2022

**THE ANNUAL SAFETY OVERSIGHT REPORT**

**YEAR 2021**

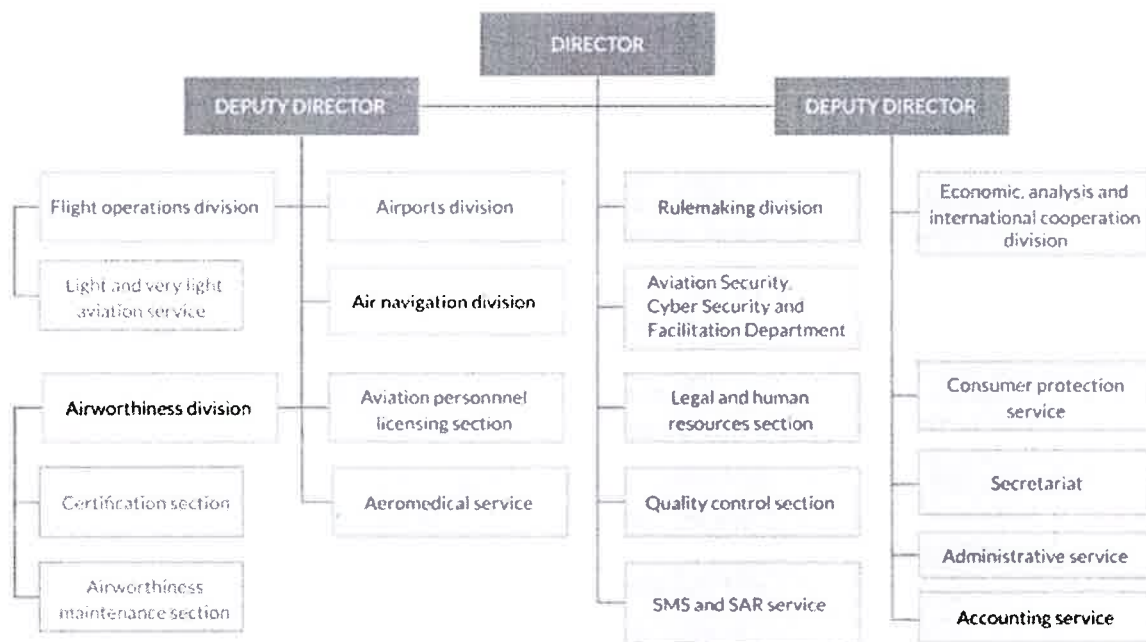
This report is prepared pursuant to Article 7 (1) of Aviation Code or RM Nr.301 from 21.12.2017, RAC ANSPC 0005 (4) and PIAC SSNA Part I (5.5), considering as a guidance the provisions of the Article 15 of the *COMMISSION IMPLEMENTING REGULATION (EU) No 1034/2011 of 17 October 2011 on safety oversight 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, Analysis and International Relation Division
- VI. Rulemaking Division

During the Year 2021, 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 2021, 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, Am.01 of 25.02.2020       |
| 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, Am.01 of 25.02.2020       |
| 3  | Civil Aviation Procedure – “Approval and safety oversight of instrument flight procedure design organization”  | Edition 1, February 2017              |
| 4  | Civil Aviation Procedure and Instructions – “Identification, assessment and reporting of air navigation deficiencies (PIAC IERDNA)”                      | Edition 1, February 2021              |
| 5  | Procedure on Approval of Instrument Flight Procedure (part of TR-on Design, verification and approval of IFP)  | Edition 1 Am.01 of 12.03.2021,        |
| 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 | Civil Aviation Procedure and Instructions – ATCO Certification PIAC- ATCO- CCTA  | Edition 1, September 2019             |
| 11 | Civil Aviation Procedure and Instructions – Certification of ATCO TO PIAC- ATCO- COP   | Edition 1, September 2019             |
| 12 | PI.SMS.ADS – “Safety Data Analyze Procedure”   | Edition 02, August 2020               |
| 13 | Occurrences Reporting Procedure (part of RAC-RAAEAC)   | Adopted by Order nr.119 of 02.07.2020 |
| 14 | Procedure on SMS implementation assessment (part of TR-SMS)  | Edition 01 of 01.12.2020              |
| 15 | Procedure regarding review of proposals/approvals and monitoring of amendments to ICAO documents   | Edition 02, 30.01.2021                |
| 16 | PIAC-ATCO-COP Certification of ATCO training organizations   | Edition 01 of 05.09.2019              |

|    |   |                          |
|----|---|--------------------------|
| 17 | PIAC-ATCO-CCTA Certification of air traffic controllers | Edition 01 of 05.09.2019 |
|----|---|--------------------------|

#### 1.4 NSA activities during 2021

##### I. Rulemaking issues

During 2021, 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 | Document  | Actions   |
|----|---|---|
| 1  | Regulation on FUA (transposition of Regulation EU2150/2005)   | Initial edition was approved in October 2021  |
| 2  | Regulation on national search and rescue (SAR) system   | Initial edition was approved in October 2021  |
| 3  | CT-ATCO-NCO Technical Requirements on "ATCs fatigue"  | Initial edition was elaborated and approved in April 2021                                       |
| 4  | RAC-ATE (Civil Aviation Regulation regarding registration and authorization of Aeronautical Radio Transmitters)                                     | New edition 03 was drafted and sent to MEI. Approval is in progress.                            |
| 5  | PIAC -Phraseology   | Initial edition was elaborated and approved in February 2021                                    |
| 6  | CT PVAPZI Technical Requirements on design, validation and approval of Instrument Flight Procedures   | Amendment 1 to Edition 1 was elaborated and approved in March 2021                              |
| 7  | CT-RA (Technical Requirements. Rules of Air)  | 2 new amendments (03, 04) were elaborated and approved in order to transpose ICAO Annex 2 Am 47 |
| 8  | PI-SCC-MRNOI – Procedure regarding review of proposals/approvals and monitoring of amendments to ICAO documents                                     | Initial edition was advised in May 2021   |
| 9  | PI-AAC-MD Management of documents   | Edition 02 was advised in May 2021  |
| 10 | Regulation on requirements on data link services for the single European sky (transposition of EU Regulation no .29/2009)                           | Initial edition was coordinated and transmitted to MDRI.  |
| 11 | Regulation on coordinated allocation and use of Mode S interrogator codes for the single European sky (transposition of EU Regulation no. 262/2009) | Initial edition was coordinated and transmitted to MDRI.  |

|  |                                      |
|--|--------------------------------------|
| Enforcement (promulgation) of PANS ATM Ed. 16, Am.10 | Notice on enforcement was elaborated |
|--|--------------------------------------|

## II. Safety oversight inspections

The main processes of ongoing safety oversight in cycle 2020-2021 remained planned and ad-hoc inspections, surveys, interviews and collecting information via safety reporting system. The Safety Oversight Inspection's Programs for cycle 2020-2021 (Edition 1 /2019, modified by Edition 2 / 2021 ) were developed considering the risk based oversight approach, mainly being focused on verification whether ANSP remains in compliance with applicable requirements related to technical and operational competence and capability, human resources, management system, quality (compliance) assurance program, safety management system ( in special internal investigation of occurrences), level 3 airspace management procedures, as shown in image below:

PROGRAMUL INSPECȚIILOR DE SUPRAVEGHERE A FURNIZORULUI DE SERVICII NAVIGAȚIE AERIANĂ "I.S. MOLDAȚA"  
 ÎN PERIOADA 2020-2021  
 Ediția 2 din 04.02.2021

APROBAT:  
 DIRECTOR AAC

Octavian NICOLAESCU

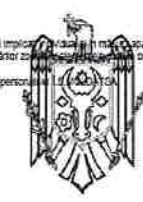
DATA: \_\_\_\_\_

| Nr.                                    | Perioada inspecției (luna) --  |  |   | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     |
|--|--|--|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  | Subiectul inspecției :   | Membri echipa de inspecție               | CRITERIUL INSPECȚIEI :  | ian  | feb | mar | apr | mai | iun | iul | aug | sep | oct | nov | dec | ian  | feb | mar | apr | mai | iun | iul | aug | sep | oct | nov | dec |
| <b>SERVICIUL CONTROL TRAFIC AERIAN</b> |  |  |   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| 1                                      | IMPLEMENTAREA ȘI APLICAREA PROCEDURILOR ȘI/SI PRIN REEVALUAREA DE CIRCUMȘANȚĂ, INVESTIGAREA INCIDENTELOR ȘI IMPLEMENTAREA ACȚIUNILOR CORECTIVE ȘI ÎMPROBAREA PERSONALULUI. VERIFICAREA REZULTATILOR ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (CETA 6148)   | A. Bovoș / M. Cioabani / O. Botocvitanec | RAC ANSP C 0071 (244), (243) B); PANS ATM 2.6-2.6; RAC ANSP C 0032 (5)  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| 2                                      | CAPACITATEA ȘI COMPETENȚA TEHNICĂ ȘI OPERAȚIONALĂ (ELEMENTELE DE TERMINARE ȘI ÎNCHEIERARE SERVICIULUI MANAGEMENT TRAFIC AERIAN ȘI NUMĂRUL NECESAR DE CONTROLOR TRAFIC AERIAN. IMPLEMENTAREA SERVICIULUI DE MANAGEMENT A FLUXULUI DE TRAFIC AERIAN. SUPLEMENTAREA REZULTATILOR DE CONTROL A SECURITĂȚII VERIFICAREA REZULTATILOR ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (CETA 6121) | A. Bovoș / M. Cioabani / O. Botocvitanec | RAC ANSP C 0010; CROTA 1.1.1 PANS ATM 3.2; CROTA 2.28; RAC ANSP C 0030 (5)  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| 3                                      | MANAGEMENTUL RESURSELOR UMANE. ÎNȚINUTUL ȘI ÎNȚINUTUL COMPETENȚELOR CONTROLORILOR DE TRAFIC AERIAN. ÎNȚINUTUL ÎNȚINUTURILOR ȘI ÎNȚINUTURILOR DE ÎNȚINUT. VERIFICAREA REZULTATILOR ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (CETA 6121)   | A. Bovoș / M. Cioabani / O. Botocvitanec | RAC ANSP C 0045; UCB MOLDAȚA cap. 14; RAC ANSP C 0030 (5)   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| 4                                      | PROCEDURILE DE MANAGEMENT AL SPAȚIULUI AERIAN - ALOCAREA ȘI ACȚIUNEA ELEMENTELOR DE SPAȚIU AERIAN LA NIVELUL TRAFIC. VERIFICAREA SUBIECTULUI ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (CETA 6229)  | A. Bovoș / M. Cioabani / F. Bocu         | REGULAMENTUL PRIVIND ALOCAREA ZONELOR TRAFIC PENTRU ACTIVITĂȚI TEMPORARE, CAZUALITATE SAU DE OCCURINȚĂ. RAC ANSP C 0032 (5) |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |

| SERVICIUL METEOROLOGIEI AERONAUTICE                   |  |  |   |  |  |  |  |  |  |
|---|--|--|---|--|--|--|--|--|--|
| 1   | CAPACITATEA ÎN COMPETENȚA TEHNICĂ ȘI OPERAȚIONALĂ, METODELE DE LUCRU ȘI PROCEDURILE OPERAȚIONALE, VERIFICAREA CURECTULUI ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (METS10)   | G. Olovanec/A.Bzevi                                      | RAC ANSP-CSSC (CSST 1100; RAC ANSP-CSSC 1)                              |  |  |  |  |  |  |
| 2   | MANAGEMENTUL RESURSELOR UMANE ELEMENTALE, EVALUAREA COMPETENȚELOR PNA, EXISTENȚA RAPORTĂRII METEOROLOGICE ȘI AVERTIZĂRII, VERIFICAREA CURECTULUI ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (METS12)   | G. Olovanec/A.Bzevi                                      | RAC ANSP-004; CT-COPMA (00 2, 3, 4, CT-0407, 0404, 5 și RAC ANSP-00309) |  |  |  |  |  |  |
| SERVICIUL MANAGEMENTUL INFORMAȚIEI AERONAUTICE        |  |  |   |  |  |  |  |  |  |
| 1   | MANAGEMENTUL RESURSELOR UMANE ÎNTRIREA, COMPETENȚA ȘI CALIFICAREA, COMPETENȚA ȘI CALIFICAREA (MMAZ10)  | F. Gușu / M. Olobanu                                     | RAC ANSP-C-012; RAC ANSP-354  |  |  |  |  |  |  |
| 2   | METODE DE LUCRU ȘI PROCEDURILE OPERAȚIONALE, CALITATEA DATELOR AERONAUTICE (MMAZ11)  | F. Gușu / M. Olobanu                                     | RAC ANSP-0110; RAC ANSP-0032 și; 012-K.3.2, IAC Doc. 9123               |  |  |  |  |  |  |
| SERVICIUL PROIECTARE PROCEDURI DE ZBOR ȘI CARTOGRAFIE |  |  |   |  |  |  |  |  |  |
| 1   | MANAGEMENTUL RESURSELOR UMANE ÎNTRIREA, COMPETENȚA ȘI CALIFICAREA, CALITATEA DATELOR AERONAUTICE UTILIZATE PENTRU ELABORAREA DATELOR AERONAUTICE, PROGRAMUL DE ASIGURARE A CALITĂȚII (KAYO 010)  | M. Olobanu / F. Gușu                                     | RAC ANSP-004; CT-010 3 și 4, CT RA 2 și; CT-010 3.2; RAC ANSP-00309     |  |  |  |  |  |  |
| 2   | GERANȚE PRIND MENȚINEREA ÎNREGISTRĂRII ȘI PRINDRELA ÎNTRIREA ȘI EVALUAREA PROIECȚIILOR PFI, GERANȚE PRIND CONTROLUL CALITĂȚII DATELOR PRINDRELA OBSTACOLE UTILIZATE ÎN PROIECȚAREA PFI, MENȚINEREA DOCUMENTAȚIEI REFERINȚE PFI, PROIECȚAREA PROGRAMULUI DE ASIGURARE A CALITĂȚII (PFI 010) | M. Olobanu / A. Bzevi                                    | CF-PFI 012; 4264; RAC ANSP-00309  |  |  |  |  |  |  |
| SERVICIUL COMUNICAȚII, NAVIGAȚIEI, SUPRAVEGHERE       |  |  |   |  |  |  |  |  |  |
| 1   | CAPACITATEA ÎN COMPETENȚA TEHNICĂ ȘI OPERAȚIONALĂ, VERIFICAREA CURECTULUI ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (ONAS 020)  | A. Tomaș / F. Gușu                                       | RAC ANSP-0110; 010 și;  |  |  |  |  |  |  |
| 2   | GERANȚE DE SIGURANȚĂ, APLICAȚIE PERSONALULUI TEHNIC ȘI ÎNREGISTRAREA ACTIVITĂȚII ȘI A UNOR DE ÎNȚEBINE, NEVULDOITĂZAREA CURECTULUI DE ÎNȚEBINE, ÎNREGISTRAREA CURECTULUI ÎN CADRUL PROGRAMULUI DE ASIGURARE A CALITĂȚII (ONAS 010)   | A. Tomaș / F. Gușu                                       | RAC ANSP-0120 (0305); 010 și;   |  |  |  |  |  |  |
| ORGANIZARE GENERALĂ                                   |  |  |   |  |  |  |  |  |  |
| 1   | GERANȚE FAȚĂ DE ASIGURAREA SECURITĂȚII AERONAUTICE (BEN010)  | Directorat Serviciul Aeromilitar, Oltenești și Fetești   | RAC ANSP-0040   |  |  |  |  |  |  |
|   | GERANȚE FAȚĂ DE SISTEMUL DE MANAGEMENT AL DISPERANȚELOR URURUR (MNS 010)   | Serviciul Siguranței Zborului și Siguranței Aviare       | RAC ANSP-0030; Regula-mentul CAS  |  |  |  |  |  |  |
|   | GERANȚE FAȚĂ DE SISTEMUL DE MANAGEMENT AL DISPERANȚELOR URURUR (MNS 010)   | Serviciul Siguranței Zborului și Siguranței Aviare       | RAC ANSP-0030; Regula-mentul CAS  |  |  |  |  |  |  |
| 2   | PUTERE FINANCIARĂ, DELGATĂ ȘI ÎNCLUCUL ASIGURĂRII (desp. 100) (BEN010)   | Directorat Economic, Analiză și Cooperare Interpersonală | RAC ANSP-0030; 0030   |  |  |  |  |  |  |

NOTĂ explicativă:  
1. Inspecțiile sunt planificate și activitate în luna respectivă. Dacă există o inspecție va fi comunicată și coordonată cu organizația. Inspecțiile cu cel puțin 14 zile în avans.  
2. Inspecțiile de follow up (cu scopul verificării implementării acțiunilor corective), care vor rezulta din realizarea programului actual nu vor fi considerate inspecții adiționale și vor fi planificate coordonate cu oile implicate și în mod corespunzător necesar.  
3. Programul de inspecții pentru anul 2021-2022 este elaborat în conformitate cu prevederile PNAI PNR 5544, PARTEA I, Capitolul 5 art. 6 la baza abordării bazată pe risc, astfel fiind supuse verificării și inspecțiilor de supraveghere de generală persoane și asis evenimentele de siguranță. În caz de neobținere a programului de inspecții, noua revizie va fi elaborată în termen de 30 de zile.  
4. Programul de inspecții poate fi supus unei revizii ad-hoc, dacă va fi constatată o degradare a nivelului de siguranță sau ca rezultat al investigațiilor sau metodelor tehnice utilizate produse de implicarea personalului.

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Date: 2021.02.05 11:20:20 EET  
Reason: MoldSign Signature  
Location: Moldova



ELABORAT:  
ŞEF DIRECȚIE NAVIGAȚIE AERIANĂ  
Andrei BZOVLI  
DATA: 04.02.2021

Despite the difficulty situation in 2021 generated by COVID 19 pandemic, the NSA's Inspectors succeed to perform all 9 planned inspections. Some of them were performed through the desktop methods, as recommended by EASA and stated in the Dispositions Nr. 3 form 23.03.2020 and Nr.6 from 26.03.2020 of the Commissions on Exceptional Situations of Republic of Moldova. It is to be mentioned that, ANSP's personnel involved in the organization and evolution of the inspections demonstrated a very open, collaborative and professional attitude. Thus, during inspections, as evidences were presented and reviewed:

- i. training records,
- ii. results of the internal investigations,
- iii. safety assessments reports preceding the implementation of changes,
- iv. operations manuals, procedures, job descriptions,
- v. annual quality audits program, internal audit reports and audit's checklists.

The results of the 2021-th Safety Oversight Inspections Program are described in Chapter 5 bellow.

It is to be mentioned, that at 23<sup>rd</sup> November 2021 S.E. MOLDATSA received by NSA the new ANSP certificates (no. P-003/2021) and new IFPDO approval (CAA RM 003/PZ), as it expired at 1<sup>st</sup> of December 2021.

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

In 2021, S.E. MOLDATSA notified NSA on 3 modifications, as per bellow:

- i. Notification No. 157 MOLDATSA from 15.04.2021 regarding the organizational modification, because of the decision of the LUBL Aerodrome Operator to exclude LUBL aerodrome from the list of the national aerodromes. This modification was announced together with the application for modification of the ANSP's Certificate, in order to update the description of the sub-parts of services and conditions mentioned in the Certificate Schedule.
- ii. Notification No. 3136 CAA from 22.07.2021 regarding implementation of new evaluation and reporting concept on RWY surface – ICAO GRF format, with applicability from 04.11.2021. The National Plan of ICAO GRF Implementation was conducted by CAA's Aerodrome Division representative.
- iii. Notification No. 3903 CAA from 09.09.2021 regarding MAATS system update. Phase 1 is planned to be finished and put into operation at 22.12.2021 and phase 2 at 22.06.2022.

All notifications were annexed with the preliminary assessments, stating the categories of the severity for the potential consequences, considering the worst scenario. According to the assessments, one modification has been classified as a major change.

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

Several ANSP's manuals (amendments to them) were reviewed during 2021 by NSA's experts in order to issue their approval or acceptance (as appropriate). These were:

- a) Manual on the organization of maintenance in the field of aeronautical telecommunications, Edition 01
- b) ATS Unit Competence Scheme Edition 03;
- c) Refresher training plan (Ed.02)
- d) Manual on qualification, instruction and assessment of competency of AMP, Edition 02, Amd. 01
- e) Organisation Exposition– Edition 08, Amd.01
- f) MOLDATSA's SMS Procedures MOLDATSA
- g) CNPMNA Manual, Ed. 01

LSSIP national document was also elaborated, reviewed and approved by all stakeholders.

- ✓ LSSIP 2020 - Moldova Local Single Sky Implementation. Level 1 – Implementation Overview” – March 2021

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

Even NSA is not delegated with functions and responsibilities related to the aviation incidents / accidents investigations, during 2021 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 similar events in the future. Thus, the ANS Division's personnel analyzed the safety data in respect with the following ATM/ANS related events:

| Nr. | Event description   | Date of occurrence |
|-----|---|--------------------|
| 1   | Airspace infringements Class C  | 08.03.2021         |
| 2   | Report on ATS TOR regarding MAATS system failure  | 30.03.2021         |
| 3   | Airspace infringement, aircraft ER-COT  | 02.04.2021         |
| 4   | Callsign confusion  | 08.05.2021         |
| 5   | Airspace infringement, paraglide  | 23.05.2021         |
| 5   | Airspace infringement, paraglide  | 20.06.2021         |
| 6   | Damage of ground telecommunication line. Lost of phone communications means between Moldatsa and adjacent ATS units | 31.08.2021         |
| 7   | Lost of radio communication with aircraft YR-5522   | 05.09.2021         |
| 8   | Noncompliance of pilot of aircraft X3/ER0131 with ATC clearances  | 11.09.2021         |
| 9   | Airspace infringement and noncompliance of pilot of aircraft YRMDM with ATC clearances                              |                    |

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

In 2021, no new or modified Instrument Flight Procedures were submitted for approval.

#### **VII. Exercises, simulations, trainings**

In 2020, due to COVID 19 the exercise VOLCEX20 was postponed to year 2021 so it was organized in 16.11.2021.

A series of the workshops/meetings/communications were organized during 2021 under the EUROCONTROL Support to State Project (WP 02 PMP 2020):

- i. *webex meeting with EUROCONTROL and MOLDATSA representatives for discussing, guiding on Emergency Plan and Contingency Plan*
- ii. *Proposal on Airspace design workshops during 2021*
- iii. *Coordination on subjects which will/may be included in PMP 2021 (U-space)*
- iv. *Expertise from EUROCONTROL representatives on PIAC-Airspace Management*

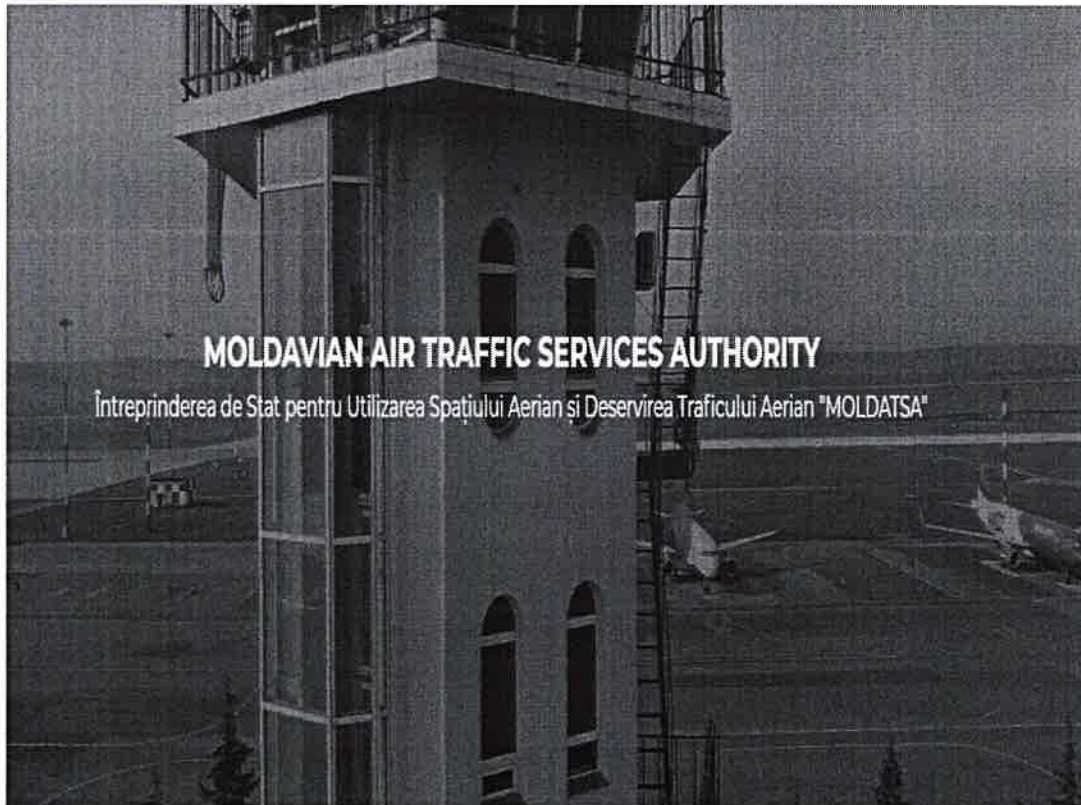
Due to COVID 19, the trainings of the ANS inspectors, planned to be attended at IANS in 2020 have been postponed to 2021. Nevertheless, in 2021 the ANS division inspectors attended the trainings provided by IANS only partially than it was planned, so the trainings at IANS were:

- Management and Oversight of Changes: The Basics [SAF-CHG-BASIC];
- Change Management Process: First Steps [SAF-CHG-FS]
- Audit Techniques and Practice Stage 1 [LEX-AUDIT-1]
- Other virtual 1-2 hour webinars like:
  - GEN-FUT: Integrated CNS and Spectrum and Future data links
  - 5G Potential Interference on Low Range Radio Altimeters (LRRRA)
  - Web-Stakeholder Forum on GNSS Interference
  - Overview of PART-PERS from Regulation 2017/373, etc.

Other webex-es, workshops, meetings, etc organized during 2021 were:

- ✓ Workshop of EASA on GRF Implementation
- ✓ CARMA User group
- ✓ Webex on NETSYS data base filling
- ✓ Stakeholders Forum on GNSS Interference
- ✓ SWIM PT Task 4
- ✓ EU Technical assistance meeting on EU Regulations transposition into national regulation framework
- ✓ ANSISG/04 *"ICAO Air Navigation Services Implementation Support Group"*
- ✓ Meeting with Ministry on *"RM participation to Danube FAB"*
- ✓ *EASA ATM/ANS TeB Meeting 2*
- ✓ *FMG CM 2021 & RAFT/19*
- ✓ *ENAC training on „ATM digitalisation"*
- ✓ *"First EASA Advisory Bodies Part-ATS Implementation Workshop"*
- ✓ *LUKK RST national meeting*
- ✓ *EASPG - METG/31 Meeting*
- ✓ *FMG/27 & RAFT/20 meeting*
- ✓ *ISO 37001:2017 Antifraud Management System webinar*
- ✓ *ANIMA workshop*
- ✓ *LSSIP 2021, kick-off event*
- ✓ *AST TF/02 meeting*
- ✓ *VOLCEX21 meeting*
- ✓ *EACCC Workshop*
- ✓ *ICAO PBNC-TF/5-ECTL NSG/32.*

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



In 2021, 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 273 persons. “MoldATSA” is certified (ANSP Certificate Nr.002) by Moldovan CAA/NSA to provide following air navigation services:

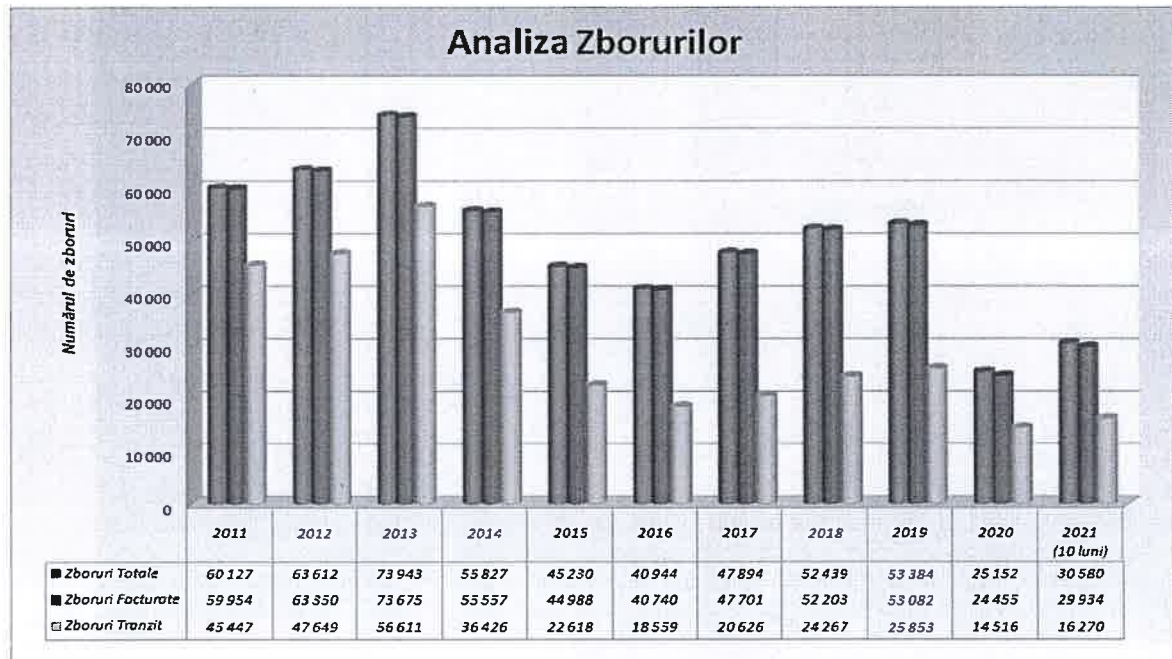
1. Air Traffic Services (ATS);
2. Aeronautical Meteorological Services (MET);
3. Aeronautical Information Services (AIS);
4. Communication, Navigation, Surveillance Services (CNS);

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.

In 2021, the COVID19 pandemic situation, as well as, hazards and restrictions in Ukraine airspace because of the conflict in the eastern part of the Ukraine, still keep the traffic served by S.E. MOLDATSA at a very low level. Bellow diagram reflects the comparison of actual traffic served by S.E. MOLDATSA in 2021 with traffic served in period 2011-2020:



In order to meet the challenges caused by the COVID 19 pandemic and to maintain its technical and operational capability to provide safe, efficient and continue services, S.E. MOLDATSA, have activated since March 2020 an appropriate developed Contingency Plan. The plan was focused on ensuring compliance with the decisions of the National Committee on Exceptional Situations, as well as on ensuring the health protection of the operational personnel such as: air traffic controllers, ATSTEP, aeronautical meteorological personnel, and those ensuring the services related to aeronautical information management.

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

No qualified entities were commissioned by Moldovan CAA to conduct safety regulatory audits during 2021.

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

At the present, NSA for ATM/ANS domain, exercises its functions with the following resources:

| Nr           | Structural unit  | Number of persons involved in exercising of NSA ATM/ANS functions |
|--------------|--|---|
| 1            | Air navigation division                                    | 5 (ATM,MET,AIS,CNS and PANS OPS)                                  |
| 2            | Aeromedical service  | 1   |
| 3            | Aviation Personnel section                                 | 3   |
| 4            | Quality Control service                                    | 2   |
| 5            | Legal and Human Resources section                          | 2   |
| 6            | SMS and SAR service  | 3   |
| 7            | Aviation Security, cybersecurity and facilitation division | 2   |
| 8            | Economic and Analyzis division                             | 2   |
| 9            | Rulemaking division  | 4   |
| <b>TOTAL</b> |  | <b>24</b>   |

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

During the safety oversight inspections performed during the 2021, as mentioned in Chapter 1.4, ii. above, the following results could be stated:

| Safety oversight inspections performed in 2021 |   |  |                       |
|--|---|--|-----------------------|
| Nr   | Inspection No.  | Inspection's Criteria  | Number of findings    |
| 1  | Technical and operational competence and capacity (elements: identification and assurance of ATM service with enough no. of ATCs., implementing the control rules on controllers' fatigue). Compliance monitoring through the Quality Assurance Program. (CTA 0121) | RAC ANSPC 0010;<br>CT-STA 3.7.5; CT-STA 2.28;<br>PANS ATM 3.2;<br>RAC ANSPC 0030(b). | <b>3 OBSERVATIONS</b> |
| 2  | Human resources management. Training and competence assurance. Maintaining the records of trainings. Compliance   | RAC ANSPC 0045,<br>UCS MOLDATSA cap.9, 14;<br>RAC ANSPC 0030(b).                     | <b>1 OBSERVATION</b>  |

|                     |   |   |                 |
|---------------------|---|---|-----------------|
|                     | monitoring through the Quality Assurance Program. (CTA 0221)  |   |                 |
| 3                   | Human resources Management. Compliance Monitoring through the Quality Assurance Program (MET0121)   | RAC ANSPC 0045;<br>CT-CCPMA cap.2,3,4;<br>CT-MET cap.4,5,7;<br>RAC ANSPC 0030(b). | 1 OBSERVATION   |
| 4                   | Working methods and operational procedures. Aeronautical Data quality. (SMIA 0121)  | RAC-ANSPC 0110;<br>RAC-ANSPC 0030 (b);<br>CT-SIA 3.2;<br>ICAO Doc 8126.           | -               |
| 5                   | Safety requirements applicable to the technical and engineering personnel. Compliance monitoring through the Quality Assurance Program. (CNS0121) | RAC ANSPC 0120 (0085);<br>RAC ANSPC 030 (b).                                      | 2 OBSERVATIONS  |
| 6                   | Requirements for assuring the aeronautical security. (SEC0121)  | RAC ANSPC 0040.   | 3 OBSERVATIONS  |
| 7                   | Requirements for the SMS (SMS 0121)   | RAC ANSPC 0025;<br>SMS Regulation.  | -               |
| Summary of findings |   |   | 10 Observations |

## 6. Safety Directives

No safety directives in respect to ATM/ANS were issued by NSA during 2021.

Andrei Bzovii



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