

FINAL

**SUMMARY OF DISCUSSIONS OF THE
DIRECTORS GENERAL OF CIVIL AVIATION - EUR/NAT REGIONS**

2022 MEETING (EUR/NAT-DGCA/2022-1)

(Paris, France, 10 May 2022)

1. Introduction

1.1 The meeting of the Directors General of Civil Aviation of the ICAO European and North Atlantic Regions (EUR/NAT-DGCA/2022-1) was held at the European and North Atlantic (EUR/NAT) Office of ICAO in Paris, France, on 10 May 2022. The meeting was organised in collaboration with the European Union Aviation Safety Agency (EASA).

1.2 The meeting agenda included two main topics:

- a) Current status and preparation for the 41st Session of the ICAO Assembly (A41); and
- b) High level briefing for Directors General of Civil Aviation (DGCA) on aviation cybersecurity.

1.3 The Meeting was attended by 136 participants from 42 States and 12 organisations. The list of participants is provided in **Appendix A**.

1.4 The meeting was chaired by the ICAO EUR/NAT DGCA Vice-Chair, Mr. Levan Karanadze (DGCA of Georgia). In this regard, the Meeting noted that its former Chairman Mr. Luis Ribeiro (from Portugal) had resigned from this function due to changes in his responsibilities. The Meeting thanked Mr. Ribeiro for his excellent chairmanship in his time as the DGCA Chairman and wished him all the best in his future endeavours.

1.5 The ICAO EUR/NAT Director, Mr. Nicolas Rallo, was the meeting Secretary, supported by other ICAO personnel.

1.6 In the opening session, Mr. Levan Karanadze welcomed the participants and noted that this meeting was held at a very challenging point for civil aviation and the whole world.

1.7 The ICAO Secretary General, Mr. Juan Carlos Salazar, addressed the Meeting with his opening remarks highlighting the particular importance of the EUR/NAT area, given its size, level of activity, and diversity and the its leadership in international civil aviation . This was being put to the test by one of the most serious geopolitical challenges of our time. He emphasized that, as the United Nations (UN) had made clear, the invasion of Ukraine by the Russian Federation was a violation of the territorial integrity and sovereignty of that State, and of the UN Charter itself. ICAO was therefore fully aligned with the UN system in calling for an immediate halt to the invasion of Ukraine.

1.8 In connection with the foregoing, Finland, France, the Netherlands, the United Kingdom, Spain, Italy, Germany, Georgia, Romania and the United States, as well as the European Commission (EC) on behalf of European Union (EU) member States and EUROCONTROL made statements expressing their solidarity with Ukraine and called for immediate cessation of the invasion by the Russian Federation.

1.9 Mr. Salazar informed the Meeting that ICAO was coordinating with all appropriate governments and agencies to identify and address the civil aviation challenges being presented by the

conflict. It was expected that more on the subject would come up at the Council's next Session at the end of May 2022. The Meeting noted that, despite the current situation, ICAO continued to function and implement its work programme in full compliance with States' expectations and its UN mandate.

1.10 Mr. Salazar highlighted that the key themes for the A41 were 'innovation' and 'resilience', with 'sustainability' being a common and urgent priority under each. Environmental Protection would be high on the Agenda at A41, notably with respect to States' discussions on the new Long-Term Aspirational Goal (LTAG) for sector-wide emissions. Furthermore, Mr. Salazar noted that the ongoing digitization of the aviation sector signified that aviation cybersecurity was fundamental to the overall resilience and future sustainability of the civil aviation system. Finally, Mr. Salazar invited States to support ICAO's current and very critical efforts to transform and rejuvenate to take on these new challenges.

1.11 The newly appointed EUR/NAT Regional Director (RD), Mr. Nicolas Rallo, welcomed the meeting and emphasized that his team and him would spare no efforts to further enhance support to States, following a new collaborative, State-centred, risk-based and result-oriented approach.

1.12 Mr. Luc Tytgat, Strategy and Safety Management Director, EASA, addressed the meeting emphasising the high level of cooperation with the ICAO EUR/NAT Office, exemplified by the current jointly organised meeting, allowing to achieve synergies and optimise the use of resources.

2. Session 1

2.1 Mr. Rallo provided the Meeting with an overview of ICAO's key priorities for A41, including on environment, the Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA), ICAO global plans on aviation safety, aviation security and air navigation, facilitation, the economic development of air transport, technical cooperation and the rule of law. In conclusion, he invited States to continue their engagement in preparation for A41 and in the follow-up on LTAG Global Aviation Dialogues (GLADS), provide sufficient financial and in-kind support to ICAO, ensure the necessary representation at State level in the relevant EUR and NAT groups, and support information and experience sharing in the EUR and NAT Regions.

2.2 Mr. Peter Bombay, Adviser to the Director for Aviation, European Commission (EC), presented EU member States' priorities for A41, in particular related to Environment and the Carbon Offsetting and Reduction Scheme for International Aviation (CORSA).

2.3 Mr. Kevin Welsh, Environment Director, Federal Aviation Administration of the United States, provided updates on their priorities for, and expectations from A41, in particular those related to Environment. In this regard, some concerns were stated related to the EU plans on ETS that could potentially be interpreted as compromising the global plans at the ICAO level on CORSA. The Meeting called for more discussions on this subject in preparation to the Assembly.

3. Session 2

3.1 Session 2 started with presentations by EUROCONTROL on a global overview of cyber threats, and by ICAO on the developments related to the global aviation cybersecurity policy framework, and on developments in the work related to defining the governance and technical requirements for an International Aviation Trust Framework (IATF). In this regard, the Meeting noted the establishment of the ICAO Cybersecurity Panel and the ongoing work to establish an ANC Panel to advance the work on the IATF. The meeting was also informed that coordination on cross-cutting areas between the two new Panels, and with other relevant ICAO expert groups, would be ensured by the Secretariat and by the ICAO Council's Ad-Hoc Cybersecurity Coordination Committee.

3.2 The second part of Session 2 included presentations from EC on the EU cybersecurity related legislation framework, by EASA on the role of information sharing in creating a resilient system and by EUROCONTROL on the European aviation common public key infrastructure. In particular, the Meeting

noted information from EASA on the Network of Cyber Analysts to share and analyse information. In this regard, the Meeting invited EASA and ICAO to coordinate and explore possible solutions for broader use of this network in the broader EUR/NAT wide sense.

3.3 The third part of Session 2 included presentations on the national experience and lessons learnt from implementation by Israel and the United States, as well as a presentation from the International Air Transport Association (IATA) on cyber resilience for air operators, and information on cybersecurity activities by the Civil Air Navigation Services Organisation (CANSO).

3.4 In particular, the Meeting noted the following recommendations from the Mr. Joel Feldschuh, DGCA of Israel, who highlighted the operational and safety consequences of cyber-attacks:

- a) Raising awareness among organizations' senior management;
- b) Ensuring the nomination of an information security manager within each organization; and
- c) Ensuring the availability of qualified technical personnel (which is a challenge especially for small and medium size organizations) through the recruitment of Information Technology (IT) experts and the implementation of tailored training programs in collaboration with the national "Cyber authority" and using external experts as needed.

3.5 The FAA provided the meeting with a presentation on its "Cyber Strategy and Interagency" coordination mechanisms.

3.6 The Meeting also noted conclusions from IATA's presentation, namely, that moving towards a massively interconnected system environment, critical information systems needed to be protected, updated and monitored. Cyber-resilience of operators would need to focus on:

- a) Shaping the nature of the industry response to the aviation cybersecurity challenge;
- b) Developing a roadmap for new digital technologies (including supply chain); and
- c) Increasing aviation cyber awareness.

3.7 IATA urged ICAO to lead the international debate on cybersecurity risks in aviation with a view to having a harmonised framework (as opposed to a patchwork of measures) that guaranteed cyber-resilience for the entire aviation sector.

3.8 The Meeting also noted information on the CANSO Standard of Excellence in Cybersecurity supporting Air Navigation Service Providers (ANSP), as well as the CANSO Emergency Response Guide and Cybersecurity Maturity Model (with EUROCONTROL).

4. Any other business

4.1 The Meeting was informed that the election of the new Chairperson would take place at the next meeting which was planned to be held in December 2022. In accordance with the EUR/NAT DGCA Terms of Reference (ToR), the EUR/NAT Office would send an invitation letter and request for nominations in due time before the next meeting.

4.2 The Meeting also thanked the DGCA vice-Chair, Mr. Karanadze, for his support in chairing the meeting in a challenging period.

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#### **LIST OF APPENDICES**

##### **Appendix A—List of Participants**

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**APPENDIX A — LIST OF PARTICIPANTS***(Paragraph 1.3 refers)***ALBANIA**

Maksim ET'HEMAJ

Megi XHARO

**ARMENIA**Mihran KHACHATRYAN  
*(Remote)***AZERBAIJAN**Samir BAGHIROV *(Remote)*Nazim ZIYADOV *(Remote)***AUSTRIA**Karin PULEO-LEODOLTER  
Christian Schleifer-Heingartner**BELGIUM**

Koen MILIS

**CANADA**Andrew COOK *(Remote)*Jean-Pierre COTÉ *(Remote)*Stacey MASON *(Remote)***CYPRUS**Anastasios ELIA *(Remote)*Panayiota GEORGIU-  
DEMETRIOU *(Remote)*Louis VALIANTIS *(Remote)***CZECH REPUBLIC**

Zdenek JELINEK

**DENMARK**

Kåre CLEMMESSEN

Anders Windfeldt JENSEN  
*(Remote)*Lars Barsalej PEDERSEN  
*(Remote)***FINLAND**

Jari PONTINEN

Matti TUPAMAKI

**FRANCE**

Damien CAZE

Bertrand de LACOMBE

Laurent PIC

**GEORGIA**

Levan KARANADZE

**GERMANY**

Marina KOESTER

Matthias NIEMEIER *(Remote)***GREECE**

Kalliopi LYKOU

Christos TSITOURAS

**HUNGARY**Péter TOTH *(Remote)***ICELAND**

Jon Gunnar JONSSON

Kristin Helga  
MARKUSDOTTIR

Hlin HOLM

**IRELAND**

Fintan TOWEY

Lee LUNDBERG *(Remote)***ISRAEL**

Joel FELDSCHUH

Eli ALOOK *(Remote)***ITALY**

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Giovanna LASCHENA

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*(Remote)***LATVIA**

Maris GORODCOVS

**LITHUANIA**

Justas RAŠOMAVIČIUS

**MALTA**

Sylvana BARTOLO

Stephen CAMILLERI

**MONTENEGRO**

Zoran MAKSIMOVIC

Marijana VUKCEVIC

**MOROCCO**Zakaria BELGHAZI *(Remote)*Mabrek LFAKIR *(Remote)*Tarik TALIBI *(Remote)***NETHERLANDS**

Richard OSSENDORP

Ingeborg Van GASTEREN

**NORTH MACEDONIA**

Veti GJORGJIESKA

Tomislav TUNTEV

**NORWAY**

Karl KOEFOED

Anders Stoltenberg  
SLETTVOLD**POLAND**Piotr SAMSON *(Remote)*

Robert PRZYBYLSKI

**PORTUGAL**

Tania CARDOSO SIMOES

Ana VIEIRA DA MATA

**REPUBLIC OF MOLDOVA**

Evgheni KOSTETKI

Vasile SARAMET

**ROMANIA**

Loredana ENACHEANU

Nicolae Octavian STOICA

**SAN MARINO**

Marco CONTI

Dennis MICHELOTTI

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*(Remote)***SLOVENIA**Sabina DOLINSEK-POPADIC  
*(Remote)*

**SPAIN**

Raul MEDINA CABALLERO  
David Benito ASTUDILLO

**SWEDEN**

Anne-Marie RAGNARSSON  
(Remote)

**SWITZERLAND**

Urs HALDIMANN  
Helena HALLAUER  
Christian HEGNER

**UKRAINE**

Oleksandr BILCHUK  
Danylo DAVYDOV  
Alina ZADOROZHNYA  
Dmytro BABEYCHUK

**UNITED KINGDOM**

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FRSA

**UNITED STATES**

Tina AMEREIHN  
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Minh FAVILA  
Larry GROSSMAN  
Jennifer SOLOMON  
Jim SPILLANE  
Kevin WELSH  
Amb SULLENBERGER  
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Chuck ASHLEY (Remote)  
Amer YOUNOSSI (Remote)

**UZBEKISTAN**

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Gian Andrea BANDIERI  
Luc TYTGAT  
Laurent GRUZ (Remote)  
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Thomas MICKLER (Remote)

**ECAC**

Mark RODMELL

**EUROCONTROL**

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Peter BOMBAY  
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Christopher ROSS (Remote)

**IAC**

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**IATA**

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Angeles POZO (Remote)  
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**IBAC**

Kurt EDWARDS

**IFALDA**

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**IFALPA**

Arnaud DU BEDAT

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Nicolas RALLO  
Elkhan NAHMADOV  
Abbas NIKNEJAD  
Arnaud DESJARDIN  
Arkadii MERKULOV  
Blandine FERRIER  
Christopher KEOHAN  
Cornelia LUDORF  
Hatem OUESLATI  
Inga JGENTI  
Sarantis POULIMENAKOS  
Sven HALLE  
Catherine DALY  
Carolyne OTTIENO  
Florence BENJAMIN  
Isabelle HOFSTETTER  
Leyla SULEYMANOVA  
Natalia SAVVINA  
Patricia CUFF

— END —