

SUMMARY OF DISCUSSIONS OF THE

WORKSHOP ON NEW ENTRANTS (CSO-FOCUSED) INTEGRATION IN THE NAT REGION

(Paris, France, 13-14 May 2024)

1. Introduction

1.1 The Workshop on New Entrants (Commercial Space Operator (CSO)-focused) Integration in the NAT Region was held in the ICAO European (EUR) and North Atlantic (NAT) Office in Paris, France, from 13 to 14 May 2024.

1.2 Mr. Sean Patrick (Ireland) moderated the Workshop. Mr. Elkhan Nahmadov from the European and North Atlantic (EUR/NAT) Office of ICAO was the Secretary, assisted by Mrs. Patricia Cuff and Mr. Sven Halle from the same office.

1.3 The list of participants is in **Appendix A**.

2. Main Outcomes

2.1 Significant challenges at the national level related to the airspace integration of CSOs was noted.

2.2 In this regard, the main objective and outcome of the Workshop was to facilitate a dialogue to discuss practical measures to facilitate the CSO integration in a safe, efficient, and environmentally sustainable manner.

2.3 It was recognised that there was some work planned and ongoing at the global level, namely through coordination between ICAO and United Nations Office for Outer Space Affairs (UNOOSA), work within the ICAO Separation and Airspace Safety Panel (SASP) and ICAO ATM Operations Panel (ATMOPSP). However, with the current lack of globally harmonised guidance on CSO aerospace integration, there is an urgent need for harmonisation effort at the regional and inter-regional level, that may support and facilitate the global effort.

2.4 The need for increased awareness among CSOs on the specifics of NAT operations was acknowledged, which would assist in improving coordination from the early design phases for CSOs. Different ways and means for enhancing awareness could be considered, such as short internet video, additional workshops under the ICAO umbrella.

2.5 The need for additional workshops was strongly supported to ensure the continuation of the dialogue. Consideration should also be given to including additional participants, e.g. International Maritime Organization (IMO), UNOOSA, NATO.

2.6 Further discussion would need to be undertaken within the North Atlantic Systems Planning Group (NAT SPG) concerning possible amendments to its work programme to facilitate the airspace integration of CSOs.

2.7 The following main areas for further discussion were identified:

- a) Communication and notification requirements, including enhanced data sharing between Air Navigation Service Providers (ANSP) and CSOs.

- b) Harmonisation on safety analysis of traces, splash areas and re-entry.
 - c) Standardization of Air Traffic Control (ATC) buffers.
 - d) Financial costs, compensation, and commercial prioritization.
 - e) Balance between regional and individual State Requirements.
 - f) Harmonization of EUR/NAT/FAA approach on airspace integration of CSOs.
 - g) Overlap with maritime operations.
 - h) Recovery of ANSP cost.
 - i) Prioritization of commercial operations, conventional civil aviation vs. new entrants.
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APPENDIX A — LIST OF PARTICIPANTS*(Paragraph 1.3 refers)***CANADA**

Kerri HENRY
 Noel DWYER
 Matthew STRICKLAND
 Robert FLEMING

DENMARK

Bo FELDBERG

FRANCE

Luc LAPENE
 Damien MARCE
 Sebastien RAPHOZ

ICELAND

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Michael BELL
 Rajunesh SHANKAR
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Angela ALVES
 Luis TOJAIS

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Joaquin GAVIN PEREZ
 Rafael PECOS MACIAS

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UNITED KINGDOM

Julia HARVEY
 Colin SCOTT
 Jacob YOUNG
 Iain BROWN

UNITED STATES

Jennifer KILEO
 Steven PINKERTON
 Holly KING
 Ed KESLER
 Brooke TEFERRA

CANSO

Celso FIGUEIREDO

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Dragos TONEA
 Duncan AULD
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 Rich STARK

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Kathleen P. HURST

ICAO HEADQUARTERS

Hannah BROWNE

ICAO EUR/NAT

Elkhan NAHMADOV
 Sven HALLE
 Abbas NIKNEJAD
 Bryan DE COUTO
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Doug MEYERHOFF

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**ATLANTIC SPACEPORT
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Paul BRUNDLE

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Alan THOMPSON

**SWEDISH SPACE
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Ida LARSSON
 Anne YTTERSKOG

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— **END** —