

附件 1

遥控驾驶航空器系统专题讨论会(RPAS 2022)预期成果

(AN 13/66-22/31 号国家级信件的附篇 A)

1. 引言和目的

遥控驾驶航空器系统(RPAS 2022)专题讨论会将有助于人们了解国际民航组织围绕遥控驾驶航空器系统的开发和合格审定、运营人和运行情况以及遥控驾驶执照颁发所开展的工作。

本次专题讨论会为各国、国际组织、业界和各方面的利害攸关者提供了独特的机遇，以了解国际民航组织相关的标准和建议措施(SARP)以及实施关于遥控驾驶航空器系统和遥控驾驶航空器系统运营人的合格审定流程以及遥控驾驶的执照颁发流程。

会议讨论将重点关注与合格审定有关的若干监管问题，包括：遥控驾驶执照颁发、运营和运营人的合格审定和适航性。讨论会还将探讨监管机构的角色和职责以及相关的技术性问题，这些方面将加快从在空域中容纳遥控驾驶航空器(RPA)到将其例行整合至空中交通管理系统之间的过渡。

此外，会议还将讨论空中航行服务提供者、运营人和业界的角色和职责，以促进安全和例行整合。

RPAS 2022 将展示新近出现的 RPAS 技术及其潜力，以提高人们对于这些前沿技术正在如何给整个航空界带来快速变革。

2. RPAS 2022 的预期成果

讨论会结束时，与会者将了解：

- a) 按照附件 8 — 《航空器的适航性》对 RPAS 进行适航性合格审定；
- b) 按照附件 6 — 《航空器的运行》第 IV 部分 — 《国际运行 — 遥控驾驶航空器系统》对 RPAS 运营人和运行进行合格审定；
- c) 按照附件 1 — 《人员执照的颁发》为遥控驾驶员颁发执照；
- d) 将自动化整合至遥控驾驶航空器系统，包括信任框架的开发；
- e) 遥控驾驶航空器系统的环境要求；
- f) 对基础设施开发的供资(如，垂直机场、机场接口)；和
- g) 遥控驾驶航空器系统的安保(航空器，C2 链路，遥控驾驶站)。

REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS 2022) SYMPOSIUM INTENDED OUTCOMES

1. INTRODUCTION AND OBJECTIVES

The Remotely Piloted Aircraft Systems (RPAS 2022) Symposium will provide an understanding of ICAO's work regarding the development and certification of RPAS, operators and operations and remote pilot licensing. This is a unique opportunity for States, international organizations, industry and stakeholders at large, to learn about pertinent ICAO Standards and Recommended Practices (SARPs), as well as implementation of the certification processes for RPAS and RPAS operators, and licensing processes for remote pilots.

This symposium will examine the existing operational environment, the rapid growth of unmanned aviation, as well as methods to categorize unmanned aircraft in order to appropriately regulate their operations. Discussions will focus on several regulatory aspects related to certification, including: remote pilot licensing, operations and operator certification and airworthiness. Roles and responsibilities of regulators and their related technical aspects, which will facilitate the transition from accommodation of remotely piloted aircraft (RPA) in airspace to their routine integration into the air traffic management system, will be explored.

Furthermore, the roles and responsibilities of air navigation service providers, operators and industry at large will be discussed in order to facilitate safe and routine integration.

RPAS 2022 will showcase emerging RPAS technologies as well as their potential capabilities in order to raise awareness of how these cutting-edge technologies are propelling rapid changes to the landscape of the aviation industry.

2. INTENDED OUTCOMES FOR RPAS 2022

Participants will leave with an understanding of:

- a) certification of airworthiness of RPAS per Annex 8 — Airworthiness of Aircraft;
- b) certification of RPAS operators and operations per the proposed Annex 6 — Operation of Aircraft, Part IV – International Operations – Remotely Piloted Aircraft Systems;
- c) licensing of remote pilots per Annex 1 — Personnel Licensing;
- d) integrating automation into RPAS including developments with the trust framework;
- e) environmental requirements for RPAS;
- f) funding and development of infrastructure (i.e. vertiports, aerodrome interfaces); and
- g) RPAS security (aircraft, C2 Link, remote pilot station).