



Agenda Item 7A: Innovation

SYNERGY AND COOPERATION IN ADVANCED AIR MOBILITY

(Presented by the Brazil)

EXECUTIVE SUMMARY	
This Working paper presents the challenges of introducing Advanced Air Mobility and its disruptive technologies and proposes strategies to promote synergy and collaboration through exchange of information and transparency concerning AAM initiatives, new developments and activities in the SAM region.	
ICAO Strategic Objectives:	<i>A: Safety B: Economic Development of Air Transport C: Environmental Protection</i>

1. Introduction

1.1 The emerging Advanced Air Mobility aviation system sub-sector presents opportunities and challenges that go beyond an implementation State's borders.

1.2 This paper briefly discusses these challenges and opportunities and suggests the exchange of information among SAM Member States in order to promote synergy and cooperation for benefit of the region and their States.

2. Discussion

2.1 The so called "AAM ecosystem", as a sub-sector of aviation at an early stage of development, contains itself all the aspects and components of the aviation sector, besides other additional specific aspects like low-altitude urban flights, origins and destinations close to human activity, among others; and will ultimately be completely integrated within the aviation system. This fact, allied with the rapid pace of both the development of the technologies involved and the implementation initiatives by the many stakeholders, creates many challenges for the Member States where implementation occurs. For example, multilevel government challenges like revising or creating legislation at state, sub-state and city levels; urban mobility plans incorporating and integrating AAM with other transport modals, coordination and integration of the many players and stakeholders for achieving economic and sustainability goals.

2.2 Currently the AAM is approaching the initial implementation stages. Specially in these early stages, different solutions may emerge in each State, depending on isolated entrepreneurship actions. The lack of communication and coordination among the States would lead to future incompatibilities that impose challenges for a sustainable growth of this new aviation market at regional level and worldwide.

2.3 In this sense, the effective introduction and development of the AAM ecosystem worldwide is strongly dependent on international coordination and cooperation among the Member States, since the success of this new model of aviation will rely on high levels of standardization, compatibility and harmonization to assure the safe transferability of products and the sustainable growth.

2.4 In addition, the introduction of AAM in a country eventually has effects in neighboring countries and territories. Besides the direct effects in their transport system caused by transborder flights, it has economic effects, by means of attraction of human labor, suppliers, customers and other chain effects on the aviation services. This way, an implementation in a country soon expands to neighboring countries.

2.5 It is understood that the region can benefit from an exchange of information among States of their initiatives, developments and activities related to AAM. Effective communication will not only be a safeguard against potential incompatibilities of models, but will also promote synergy, harmonization of practices and cooperation both at the aviation system and at the economic system levels.

3. **Suggested action**

3.1 The Meeting is invited to:

- a) *Note* the current early stage of development of Advanced Air Mobility and the challenges and opportunities of synergy presented in this paper;
- b) *Encourage* SAM Member States to exchange and disseminate information and promote visibility regarding their AAM initiatives, developments and activities; and
- c) *Recommend* ICAO to promote the above dissemination and exchange among Member States, through the organization of regional seminars, workshops and other forms of information exchange environments involving Authorities, industry and service providers.