



*International Civil Aviation Organization*  
South American Regional Office  
**Seminar/Workshop on implementation of advance surveillance and automated systems**  
(Panama City, Panama, 22 to 25 September 2015)

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**ADS-B Surveillance Techniques**

(Presented by United States/Federal Aviation Administration)

**EXECUTIVE SUMMARY**

This paper presents an overview of ADS-B, a status update on the deployment of ADS-B in the U.S., and current ADS-B initiatives. The paper will also provide an update on current ADS-B equipage.

<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Equipage</li></ul>
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**1. Introduction**

1.1 This paper refers to a presentation providing a summary of ADS-B deployment in the U.S. The presentation also provides an understanding of how ADS-B Out is being leveraged by ATC in order to enhance the controllers situational awareness. Furthermore, the paper outlines the number of aircraft in U.S. Airspace identified as being equipped with DO-260B or DO-282B ADS-B Out equipment, and some of the lessons learned from the implementation of ADS-B in the U.S. which may be of interest to this meeting.

**FAA ADS-B Surveillance Techniques**

1.2 This paper refers to the attached presentation titled ADS-B Out Surveillance Techniques. The information contained in the presentation provides an overview of the different implementation initiatives leveraging ADS-B Out in U.S. Airspace. The number of aircraft that have currently been identified in U.S. Airspace as being ADS-B Out DO-260B or DO-282B equipped is also provided. The presentation provides an overview of different issues related to a dual frequency ADS-B Out implementation.

**2. Action by the meetings**

2.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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