

Cross Polar Trans East Air Traffic Management Providers (CPWG-PM1) Meeting
(Paris, France 22-24 May 2019)

Agenda Item 4: Communication, Navigation & Surveillance Issues

AIREON ALERT

(Presented by Iceland)

SUMMARY

Update on Aireon ALERT developments; ALERT is a free global aircraft tracking solution that will make it possible for Rescue Coordination Centres (RCC's), Air Navigation Service Providers (ANSPs) & Authorised Customers to request information on the location of any ADS-B aircraft with which is in distress anywhere over the surface of the Earth.

1. Introduction

1.1 On the 22nd August 2018, Aireon and the Irish Aviation Authority (IAA) announced that Air Navigation Service Providers (ANSPs), Aircraft Operators, Regulators and Search and Rescue Organizations could pre-register for a free, global Aircraft Locating and Emergency Response Tracking (ALERT) service. The Aireon ALERT service will provide the last known position of an Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft that is in an apparent distress state or experiencing a loss in communication. The service is only available to aviation stakeholders and offers precise position reports, free of charge.

2. Discussion

2.1 Enabled by Aireon's unique space-based ADS-B service, Aireon ALERT will fill a critical need within the aviation industry. For the first time, ANSPs, Aircraft Operators, Regulators and Search and Rescue organizations will have access, on request, to exact position data for an aircraft in distress over the oceans, remote areas and anywhere else they may need aircraft position information in an emergency.

2.2 Users of the service do not need to be customers of either Aireon or the Irish Aviation Authority (IAA) to use the service; they simply need to be registered. Once a stakeholder has registered and been approved to use Aireon ALERT, should an emergency arise, it can contact the 24/7/365 operations facility to obtain the last known position of its aircraft. This will include a map of the last 15 minutes of flight, with one plot per minute and a 4-dimensional report including altitude, latitude, longitude and time information. Based on the situation, additional tracking information may also be provided. Detailed Aireon ALERT surveillance data may also be available on request to support post

incident analysis and investigation by State authorities. Aireon ALERT will be provided as a public service, free of charge to registered stakeholders.

2.3 Following completion of Aireon satellite infrastructure the Aireon ALERT system will be introduced into full operational service in mid-July 2019 and will be operated from the IAA North Atlantic Communications Centre in Ballygirreen, County Clare, Ireland.

2.4 To pre-register for Aireon ALERT, ANSPs, Aircraft Operators, Regulators and Search and Rescue Organizations should visit www.aireonalert.com.

2.5 For additional information about Aireon ALERT, please visit www.aireonalert.com, the demonstration video can be accessed using the following URL:

<https://www.youtube.com/watch?v=ARTWYSNYEa4>

3. Action by the Meeting

3.1 The meeting is invited to:

- a) note the information provided about the Aireon ALERT service, including that pre-registration is now available;
- b) recognize how space-based ADS-B will enhance the safety of aviation operations on a global basis;
- c) advise users of the availability of the free service for pre-registered Air Navigation Service Providers (ANSPs), Aircraft Operators, Regulators and Search and Rescue Organizations.