

## **Maldives Airports Company Limited Press Release**

### **Maldives Airports Company Ltd Launches the ADS-B Service to Maldives**

**Ibrahim Nasir International Airport, Maldives- 22<sup>nd</sup> January 2014** - Maldives Airport Company Ltd (MACL) is pleased to announce the launch of ADS-B Service to the Maldives. The Automatic Dependent Surveillance Broadcast or ADS-B's official Introduction ceremony was held at Traders Hotel. The Chief Guest of the ceremony was Honorable Minister of Defense & National Security Colonel (Rtd) Mr. Mohamed Nazim who inaugurated the ADS-B service. Minister for Transport & Communication Mr. Ameen Ibrahim and Minister for Home Affairs Mr. Umar Naseer along with State Minister of Transport and Communication Mr. Mohamed Ibrahim attend the ceremony. The ceremony was also attended Maldives Civil Aviation Authority CEO Mr. Hussain Jaleel along with Airlines preventives and senior staff of Maldives Airports Company Ltd. A special Video presentation about ADS-B was presented at the ceremony.

#### **What is ADS-B**

Automatic Dependent Surveillance Broadcast (ADS-B) is an air traffic surveillance technology that enables aircraft to be accurately tracked by air traffic controllers and other pilots without the need for conventional radar.

#### **How does ADS-B work?**

In a typical application, the ADS-B capable aircraft uses an ordinary GNSS (GPS, Galileo, etc) receiver to derive its precise position from the GNSS constellation, then combines that position with any number of aircraft discrete, such as speed, heading, altitude and flight number. This information is then simultaneously broadcast to other ADS-B capable aircraft and to ADS-B ground, or satellite communications transceivers which then relay the aircraft's position and additional information to Air Traffic Control centers in real time. ADS-B consists of two different services, "ADS-B Out" & "ADS-B In".

#### **Installation of ADS-B in Maldives**

In 2010, MACL implemented Radar as air traffic control surveillance system. But the single Monopulse Secondary Radar at Male Ibrahim Nasir International (MINIA) can only provide surveillance over less than 40% of the total airspace under the jurisdiction of Maldives Air traffic control. Additional radar units, in order to enhance surveillance coverage, would be highly expensive.

MACL decided to implement ADS-B because it can deliver radar like surveillance at a fraction of the cost of radar and, with duplicated ground stations deployed across Maldives, it can give ATC surveillance capability over 98% of Flight Information Region above FL300 (30,000 feet) and surveillance over the entire domestic sector.

MACL has invested more than RF 6,000,000 to install ground stations and integrate ADS-B data into the existing Air Traffic Control systems at Male' Area Control Centre. Four ground stations have been installed across the Maldives at one at Kulhudhuffushi; Two stations at INIA and one Fuvahmulah

**About MACL:** Maldives Airports Company Limited (MACL) is a 100% government owned limited liability company incorporated under the Companies Act of the Republic of Maldives. MACL is governed by a Board of Directors appointed by the President of the Maldives. The Corporate Office of MACL is on the island of Hulhule', Republic of Maldives.

The establishment of MACL came through various government departments which had been responsible in the past for the operation of Hulhule' Airport. Hulhule Airport was opened on 12<sup>th</sup> April 1966 and government created Airport Office to manage Hulhule Airport. Since then Hulhule Airport has undergone various development phases and Male' International Airport (MIA) was opened as the first international airport on 11<sup>th</sup> November 1981 with the provision of essential services and airport office was replaced by Maldives Airports Authority. On 10<sup>th</sup> November 1982 Civil Aviation Authority (CAA) was established by merging Maldives Airports Authority and Department of Civil Aviation to provide aviation services to ICAO accepted level. On 12<sup>th</sup> December 1988 government dissolved CAA and formed Maldives Airports Authority (MAA) and Department of Civil Aviation (DCA). With rapid growth of MIAL, the need for a commercial entity to manage the airport was recognized, thus on 1<sup>st</sup> January 1994 the government detached MAA establishment as a separate commercial entity rather than part of the government administration and subsequently MAA was incorporated into Maldives Airports Company Limited as a limited liability company effective on 1<sup>st</sup> August 2000.

To establish an inflight catering service at MIA, a joint venture was formed with Singapore Airport Terminal Services (SATS) resulting in the formation of Maldives Inflight Catering Pvt. Ltd. (MIC) was formed on 2<sup>nd</sup> April 1988, with MACL holding major shares. MIC is incorporated and domiciled in Maldives as a private limited liability company. The principal activities of MIC are operating a flight kitchen and a transit hotel in Hulhule' Island known as Hulhule' Island Hotel (HIH).

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