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# Translating Aviation Meteorological research into Air Traffic Management

The criticality of accurate information on the ATM System The following mentioned Information paper developed by the Secretariat at WMO for the Commission of aeronautical Met, confirm the intent of Docs 7475 & 9854 – ICAO and *Working arrangements between ICAO and WMO as also articulated by the Secretary General of ICAO* 

World Meteorological Organization	CAeM-MG/2016/INF. 1
COMMISSION FOR AERONAUTICAL METEOROLOGY	31.X.2016
MANAGEMENT GROUP 2016	ITEM 5.3
Hall (Innsbruck), Austria 8-10 November 2016	
	English only

#### Summary and Purpose of the Document

To provides a brief update on the status of the review of the working arrangements between ICAO and WMO, as called for by Recommendation 4/1 of the 2014 ICAO Meteorology Divisional Meeting, together with the envisaged next steps.

#### So why the need for a Global ATM System ????

*Note;* ATM is not a replacement for ATC !!!!

*Note;* ATM is not a silo based activity !!!!

*Note*; ATM is not provided by an individual service provider, although you will need a service provider to Manage the ATM system.

So what is ATM and what role does met services need to play ????

# APIRG 22 FEEDBACK

- Aeronautical Meteorology is the Key enabler to aviation vision for globally Interoperable and harmonised ATM System of the future.
- The role of Met service shall be to support the industry in achieving its vision in a,
- Safer
- Efficient and
- Environmental responsible manner.

The ATM System seeks to engage the ATM Community as appropriate with the aim of achieving best business and safety outcomes.

#### **OUTCOMES / USER EXPECTATIONS**



### Global Air Traffic Management Operational Concept

DOC 9854 AN 458

Approved by the Secretary General and published under his authority



### **ATMOC Components**

Airspace Organization and Management

**Conflict Management** 

**Traffic Sequencing** 

Demand / Capacity Balancing



## **ATMOC Components**

#### **Actors/Activities**

**Aerodrome** Operations **ADOPS AIROPS** Airspace user **Operations ATM Service Delivery** ATMSD Management

## **ATMOC Prerequisites**

#### Medium/Glue

Information Management/Services Collaborative Decision Making

### **ATM OPERATIONAL CONCEPT**







#### Key areas of focus in support of Aviation

1.Observation, Forecasts, Advisories and Warnings

2.Integration of Met Information into global interoperable Air Traffic Management(ATM)

3.Impact of Climate change and variability on Aviation

**NO MORE SILOS** 

NO MORE GUESSING AS ACCURACY IS A REQUIREMENT FOR EFFICIENCY AND SAFETY

AS UNPREDICTABLE AS THE WX BECOMES, THE MORE PREDICTABILITY REQUIRED

THE ATM COMMUNITY DEPENDS ON YOU!!!!



THANK YOU !!!!!!

ALCONG MALETTAC

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