The Air Traffic Meteorology Center (ATMetC) supports the safety and efficiency of aircraft operation by providing meteorological information.

The JMA mascot "Harerun"

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Air Traffic Management Center (ATMC)
Centralized air traffic management throughout Japan

Air traffic volumes are increasing today due to rising demand for air travel/transportation.

In order to respond to this demand, ATMC works to ensure air traffic safety and improve flight efficiency via the integration of the three functions shown in the figure below.

Collaborative Decision Making (CDM)
It is important that all related parties share necessary information and make collaborative decisions in order to achieve ATM effectively and smoothly.

Personnel from the Civil Aviation Bureau, from Japan’s Ministry of Defense and from the Japan Meteorological Agency work together in a single operation room.

ATMC also shares information and collaborates with related overseas organizations and airlines for safe, efficient aircraft operation.

Air Traffic Meteorology Center (ATMetC)
Provision of meteorological information to support Air Traffic Management

As air traffic volumes increase, even congestion at a single airport or localized significant weather phenomena can affect air traffic nationwide.

Meteorological information on major airports and air routes is very important in Air Traffic Management (ATM).

ATMetC provides meteorological information to support ATM on a 24-hour basis.

Monitoring and forecasting significant weather at major airports and within air routes

Examples of products provided by ATMetC

Weather Briefing for ATM Officers

Meteorological information is displayed on large screens in the ATMC operation room

ATMetC provides precise information as necessary on significant weather phenomena such as thunderstorms, strong winds and heavy snow that may affect air traffic flow. The ATM officer conducts air traffic management in reference to this information, which is also shared via TV conferencing or similar channels with air traffic service providers, airlines and other related parties.