

### 1 Further Promotion of Aviation Safety Program

To improve the safety of Japan civil aviation, the government manages risks by setting safety performance indicators and safety performance targets and will promote further aviation safety measures by collecting, analyzing and sharing safety information based on the mandatory reporting system and voluntary reporting system.

- ① Strengthening SMS (Safety Management System) in service providers
- ② Formulating and revising safety standards
- ③ Strengthening audit to service providers
- ④ Collecting and analyzing safety information
- ⑤ Developing safety culture and strengthening safety supervision

### 2 Ensuring Safe Operations of Aircraft

In addition to continuous implementation of specific and systematic safety audit to airline companies, safety measures will be promoted further using the nationwide traffic safety campaign and comprehensive transport inspection at the end and beginning of year. In addition, the evaluation of transport safety management system which has been applied so far to all business operators and in which business operators build and improve their safety management system integrally with their employees and the government checks its implementation status will be further enhanced to improve its effectiveness in the future.

Since it is necessary to ensure a stable supply of pilots in order to ensure safety and enhance the aviation network of Civil Aviation College (Germany) (from 2018), efforts to train and ensure pilots will be promoted and the health management system of airline companies strengthened.

It is also intended to enhance and strengthen ramp inspections to ensure their safety in closer cooperation with foreign authorities.

As safety measures for small aircraft, efforts to prevent accidents will be made by regularly conducting screening of pilots, which was a system introduced since April 2014 and by implementing a variety of seminars on safety. In addition, not only the maintenance status of aircraft is checked at the airworthiness certification inspection carried out once a year, but also secure implementation of maintenance will be instructed. In addition, since many accidents of small aircraft occurred at the end of 2015, a wide variety of measures will be promoted as comprehensive measures to improve their safety performance, which include raising of thorough awareness of the importance of abiding by the basic procedure at safety seminars, guidance and instructions for ensuring safety of operations in technical examinations and holding of new seminars on maintenance, etc. Furthermore, based on the discussions in the "Safety Promotion Committee for Small Aircraft and etc." held since December, 2016, examinations regarding further safety measures of the small aircraft and etc. are being continuously carried out.

Aeronautical meteorology information is provided to support aircraft operations and air traffic flow management in terms of mitigating the impacts of severe weather on air traffics. Related systems will be renewed to provide more accurate, timely and appropriate information promptly.

Particularly aerodrome meteorological observation systems will be enhanced to monitor weather condition for approach, landing and take-off. Also, a Doppler Lidar for Airport Weather at Tokyo International Airport will be replaced with the

latest models. The Lidar detect low-level wind shears, i.e., sudden changes of wind speed and/or direction near the ground, which significantly affect aircraft landing and take-off.

In addition, a new volcanic ash detection method using Geostationary Meteorological Satellite "Himawari-8/9" is introduced to prevent and reduce the damage to aircraft due to volcanic ash and it aims at improving accuracy of the volcanic ash monitoring.

- ① Development of operation standards for ensuring safe operations
- ② Implementation of the evaluation of Transport Safety Management
- ③ Promotion of crew policies
- ④ Ensuring safety performance of foreign aircrafts
- ⑤ Promote safety measures for small aircraft
- ⑥ Enhance the safety standards for the transportation of dangerous goods
- ⑦ Enhance weather information on air traffic

### 3 Ensuring Aircraft Safety

It is intended to develop technical standards on the safety of aircraft and its components and to conduct aircraft inspections and review for its maintenance in order to ensure aircraft safety.

In terms of Japan-made passenger aircraft, additionally, the type certification process has been steadily conducted by the government as the State of Design and the State of Manufacture and appropriate actions have been taken to ensure continued aircraft safety after the beginning of operations.

- ① Develop technical standards for ensuring the safety of aircraft and its components
- ② Conduct inspection of aircraft in an appropriate manner
- ③ Conduct review of aircraft operation and maintenance system in an appropriate manner