Part 3 Measures Regarding Air Transport Safety

1. Further Promotion of Aviation Safety Program

In order to improve the safety of Japanese civil aviation, we will promote further aviation safety measures through risk management by establishing safety indicators and safety targets, and by collecting analyzing and sharing safety information through compulsory reporting system and voluntary reporting system, etc.

- • Strengthening SMS (Safety Management System) in service providers
- , Formulating and revising safety standards
- ƒ Strengthening audit to service providers
- „ Collecting and analyzing safety information
- … Developing safety culture and strengthening safety supervision

2. Ensuring Safe Operations of Aircrafts

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.

To enhance the aviation network while ensuring safety, it is necessary to ensure stable supply of pilots. Therefore, we will promote various measures to train and secure pilots including expansion of the training scale of the Civil Aviation College (from FY2018) and interest-free scholarship loans to students in the pilot training course of private training organizations such as private universities (from FY2018), and strengthen the health management systems of airline companies.

In the wake of an event in which objects fell from an aircraft occurred in September 2017, we will strengthen measures to prevent objects from falling from aircrafts by formulating standards for prevention of falling objects to be complied with by airlines in FY2018.

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 aircrafts, we will not only perform regular review of pilots made compulsory from April, 2014, but also promote efforts for accident prevention by implementing various safety training seminars. In addition, we will check the maintenance status of aircraft at the airworthiness certification inspection carried out once every year and give guidance for implementation of secure maintenance. Moreover, since many accidents of small aircrafts have occurred since 2015, as comprehensive measures to improve their safety, we will promote a wide variety of measures, including reminding of the importance of complying with basic procedures at safety training seminars, guidance for ensuring operational safety at skill examination, holding of new training seminars on maintenance, etc. In addition, in light of the discussion at the meetings of the “Safety Promotion Committee on Small Aircraft” held since December 2016, we will continue to further review safety measures on small aircrafts.

In relation to the provision of aeronautical meteorological information to mitigate the impacts of hazardous weather conditions on air traffic and support aircraft operations and air traffic management, Japan Meteorological Agency (JMA) plans to introduce systems that will further improve the accuracy of such information as well as its prompt and appropriate issuance and its timely provision to related organizations. Specifically, the Agency will promote the advancement of systems designed to enable the observation of airport weather conditions necessary for aircraft operation. A new supercomputer will also be introduced to further improve JMA’s precise numerical weather forecasting model, which supports the provision of aerodrome forecasts and other types of detailed aeronautical meteorological information. JMA also plans to update the Doppler Lidar for Airport Weather at Kansai International Airport and the Doppler Radar for Airport Weather at Naha Airport. Radar and Lidar detect low-level wind shear (i.e., rapid changes in wind in the lower atmosphere), which greatly affect aircraft takeoff and landing.

- • Development of operation standards for ensuring safe operations
- , Implementation of the evaluation of Transport Safety Management
- ƒ Promotion of crew policies
- „ Strengthening measures to prevent falling objects
- … Ensuring safety performance of foreign aircrafts
- † Promote safety measures for small aircraft
- ‡ Enhance the safety standards for the transportation of dangerous goods

ˆ 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.

Furthermore, in order to ensure safety of the domestic jet passenger aircraft, we will not only implement steadily examination of the type certificate and take proper measures to continuously maintain safety after the start of its operation as the designing and manufacturing country.

• Develop technical standards for ensuring the safety of aircraft and its components

, Conduct inspection of aircraft in an appropriate manner

ƒ Implement appropriate examination of the operation and maintenance system of aircrafts