



International Civil Aviation Organization

**Seventh Meeting of CNS/MET Sub-Group of APANPIRG and
Tenth Meeting of CNS/ATM IC Sub-Group of APANPIRG**

Bangkok, Thailand, 15 – 21 July 2003

Agenda Item 23: Any other business

DEVELOPMENT OF ROUTE FORECASTS IN GRAPHICAL FORMAT IN JAPAN

(Presented by Japan)

SUMMARY

This paper provides information on development of route forecasts in graphical format in Japan.

1. INTRODUCTION

1.1 At present, New Tokyo Aviation Weather Service Center (AWSC) of the Japan Meteorological Agency (JMA) issues Route Forecasts for supporting international flights. To enhance the utility of the information, JMA is developing route forecasts in graphical format. This product is experimentally distributed to some airlines.

2. ADVANTAGE OF MET DISSEMINATION IN GRAPHICAL FORMAT

2.1 Recent development of information infrastructures has made it possible to disseminate meteorological data in graphical format.

2.2 One of the advantages of MET dissemination in graphical format is its easy-to-understand representation. Another is that more information can be contained in graphics than in a bulletin with conventional alphanumeric codes.

2.3 Several types of MET information in graphical format are already introduced in Annex 3: The volcanic ash advisory in graphical format is an example.

3. DEVELOPMENT OF ROUTE FORECASTS IN GRAPHICAL FORMAT

3.1 At present, route forecasts are disseminated in alphanumeric codes, as defined in Annex 3. However, to exploit the advantages of its distribution in graphical format, JMA is developing a new representation of route forecasts. An example is shown in Fig. 1.

3.2 It is a vertical cross section along an air route derived from the global model of JMA. It is disseminated through Aviation-meteorological Information Dissemination System at each airport. We are receiving favorable reaction from pilots to whom this experimental product is distributed.

4. ACTION BY THE MEETING

4.1 The Meeting is invited to note the information in this paper.

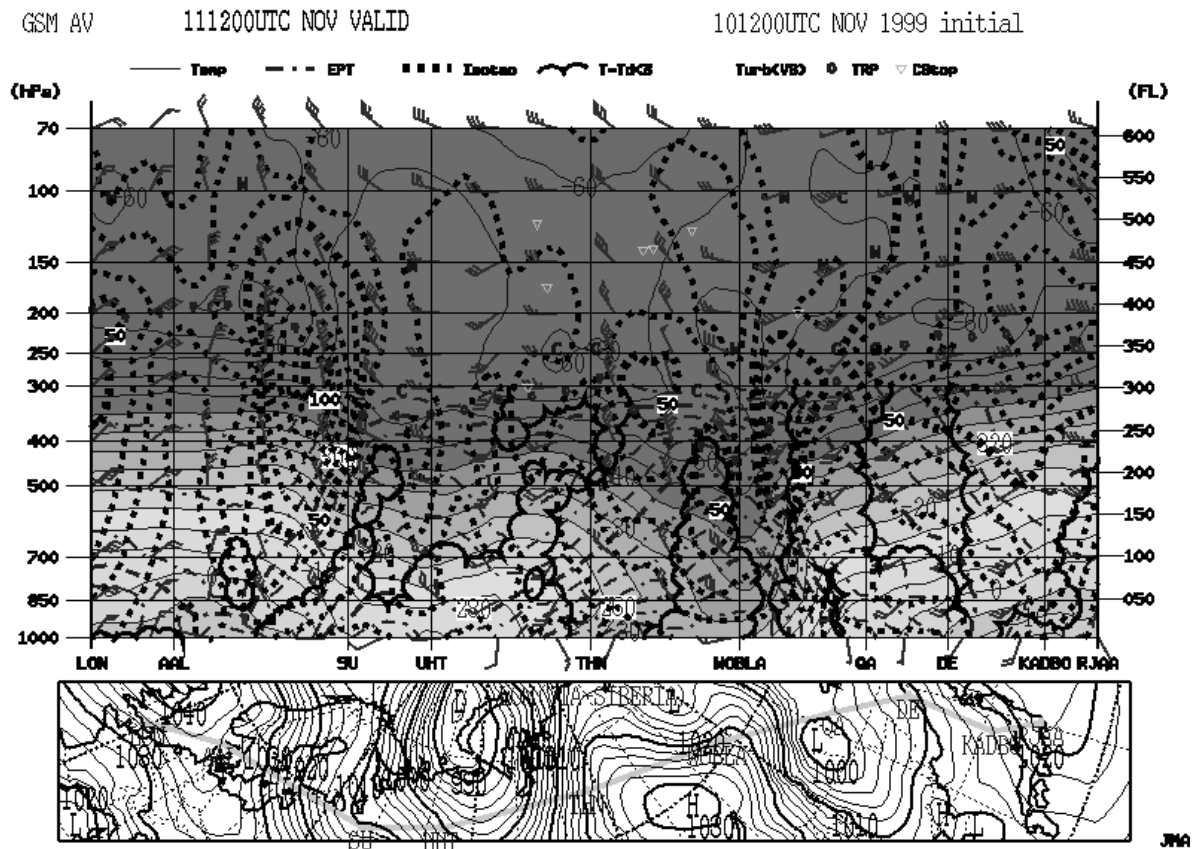


Fig.1 An example of route forecasts in graphical format.