



International Civil Aviation Organization

THE SIXTH MEETING OF IONOSPHERIC STUDIES TASK FORCE (ISTF/6)

Bangkok, Thailand, 19 – 21 January 2016

Agenda Item 4: Review of deliveries of Tasks and related Action Items

f) Task 6 - Space Weather

ICAO WG-MISD (MET INFORMATION AND SERVICE DEVELOPMENT)

(Presented by NICT, Japan)

SUMMARY

This paper presents the present status and future plan of ICAO/WG-MISD which discuss space weather use in ICAO.

1. INTRODUCTION

1.1 WG-MISD (MET Information and Service Development) was established in April 2015 by the MET-Panel. Space weather is one of the items similar to Volcanic ash and radioactive material released to be discussed in WG-MISD.

1.2 The objectives of space weather work in WG-MISD is as follows:

- Revised Space Weather Concept of Operations for endorsement by METP (May 2016)
- Space Weather information performance requirements for endorsement by the MET Panel (June 2016)
- Proposals for Amendment of ICAO Annex 3 with respect to space weather information (September 2016)

1.3 The first face to face meeting was held on Nov. 18, 2015 for discussing space weather items on WG-MISD. We had two main topics for discussing in this meeting.

- Revision of ConOps v.3.0
- Discussion of functional and performance requirements for Space Weather information

2. DISCUSSION

2.1 It is necessary to discuss by aviation operators, carriers and information providers of SWx for establishing worthwhile system for using SWx information in the civil aviation.

2.2 Especially, it is necessary to input particular information or requirements from each region e.g., Asia- Oceania. For example, the main issues in the present status of ConOps is for polar route, like Solar proton event or ionospheric disturbance in the polar region. We should be aware of the potential risk by equatorial phenomena like day-to day variability of Equatorial Anomaly and/or EPB.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to to note the information provided and the progress made so far by the WG-MISD on relevant issues.
