



International Civil Aviation Organization

THE SECOND MEETING OF IONOSPHERIC STUDIES TASK FORCE (ISTF/2)

15 – 17 October 2012, Bangkok, Thailand

Agenda Item 5: Review Progress of Tasks
a) Task 1 – Data Collection

DATA SERVER FOR IONOSPHERIC DATA COLLECTION, ANALYSIS, AND SHARING

(Presented by Japan)

SUMMARY

This paper presents a plan of setting up a data server at ENRI, Japan for collection, integration, administration, and distribution of data collected from States and Administrations.

1. INTRODUCTION

1.1 The first Ionospheric Studies Task Force (ISTF/1) meeting identified five tasks and their sequence was identified. The Task 1 is “Data Collection” which includes collection, integration, administration and distribution of data collected from States and Administrations (Ref. WP8, APANPIRG CNS/MET SG-16).

1.2

1.3 Dr. Susumu Saito from Electronic Navigation Research Institute (ENRI), Japan was appointed as to lead the Task.

2. DISCUSSION

2.1 For collection, integration, administration, and distribution of data, a data server accessible from ISTF members is needed. Either a stand-alone (physical) machine or a commercial data hosting service may be used.

2.2 The amount of data would be estimated as roughly 9 TB per year. The cost of data hosting services for this amount of data is much more than maintaining a server machine which can

handle that amount of data. Therefore, a stand-alone server for the particular purposes of the Data Collection Task would be a preferable option.

2.3 Since ENRI is leading the Data Collection Task, the server would preferably be in easy access from ENRI. ENRI is happy to host the server and a communication line for ISTF members to access data. A preliminary design of the system has already been completed. Detailed design of the server will be defined in consultation within the Data Collection Task and circulated online through the ISTF Forum on the ICAO portal website.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) agree that ENRI hosts the data server for collection, integration, administration, and distribution of collected data; and
- b) participate in discussion on the design of data server through the ICAO ISTF Forum.
