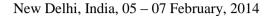


International Civil Aviation Organization

THE FOURTH MEETING OF IONOSPHERIC STUDIES TASK FORCE (ISTF/4)





Agenda Item 4a): Review of progress of tasks and related action items, Task 1 – data collection

COORDINATION OF SCINTEX FORMAT BETWEEN ICAO/ISTF AND ITU-R

(Presented by Japan)

SUMMARY

This paper reports the current status of coordination of two different SCINTEX formats proposed by ICAO/ISTF and ITU-R with the Chairman of ITU-R WP-3L.

1. INTRODUCTION

- 1.1 In the Agenda Item 2 of ISTF/3, Japan briefly reported a meeting of Working Group 3L-3 (transionospheric propagation) of ITU-R held in Geneva from 19 to 26 June 2013. The Chairman's report of c included "SCINTEX" format (see Table 1).
- 1.2 The SCINTEX proposed in the ITU-R (ITU-R SCINTEX) was first proposed by Orus-Perez et al. at the ION GNSS meeting 2011. This is a just a draft proposal, but different from the SCINTEX format proposed in the ICAO/ISTF2 (see Table 2) though they have the same name and similar concept.
- 1.3 Requirement to coordinate with the Chaiman of ITU-R WP-3L for the formats of scintillation data with the same name "SCINTEX" was listed as the action item 3/1 of the ISTF/3.

2. DISCUSSION

2.1 Drs. Tsugawa and Saito, Japan have contacted with Dr. Roberto P. Cerdeira, ESA (Roberto.Prieto.Cerdeira@esa.int), the Chairman of ITU-R WP-3L, and started discussions about SCINTEX format to merge both SCINTEX format into a new and better SCINTEX format. Some documents related with ITU-R SCINTEX format have been provided by Dr. Cerdeira.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to do the following:
 - a) note the information presented in this paper; and
 - b) discuss any relevant matters as appropriate.

TABLE 1

SCINTEX format proposed in the Chaiman of ITU-R WP-3L.

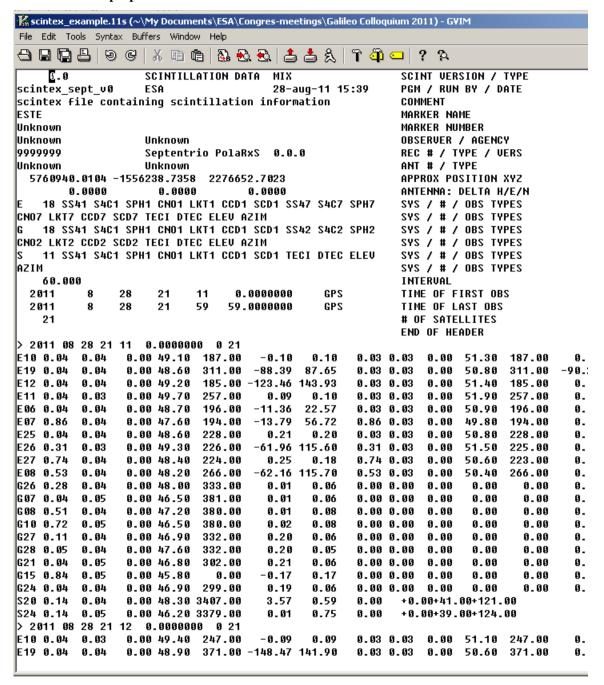


TABLE 2

Example of SCINTEX proposed in the ICAO ISTF/2.

(Filename: syo12670.12_SNT)

1 0 2 0 3 0 - 2.10 OBSERVATION DATA autosci ver1.23 NICT, JAPAN	G (GPS)	SCI VE	
SY01		MARKER N	AMF.
NICT, JAPAN NICT			/ AGENCY
NYM10210012 GSV4004B	0 140643		
	9.140S43 REC # / TYPE / VERS ANT # / TYPE		
NAE10300032 GPS-702-GG	0.0001		
1766253.5812 1460032.8828 -593234			OSITION XYZ
-69.0081808 39.5780543 4			LAT, LON, HGT
TYPES OF OBSERV = W : S4 index		COMMENT	
X : sigma ph		COMMENT	
S : signal strength COMMENT			
0.0000 0.0000	0.0000	ANTENNA:	DELTA H/E/N
6 S1 X1 S1 W2 X2	S2	# / TYPES	OF OBSERV
60.000		INTERVAL	
2012 9 23 15 40 0.	0000000 GPS	TIME OF	FIRST OBS
1766253.5812 1460032.8828 -593234		COMMENT	
-69.0081808 39.5780543 4		COMMENT	
### indices recorded below do not co			11111
### Indices recorded below do not co	Trespond to raw	END OF H	EYDED
12 9 23 15 40 0.0000000 10G25G	206236316306336		EADER
			0 000
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032			
0.034 0.032	42.032	0.032	0.032
42.032	12:002	0.032	0.002
0.034 0.032	42.032	0.032	0.032
42.032	12:032	0.032	0.032
	42.032	0.032	0.032
	42.032	0.032	0.032
42.032	000001000000	2002 4210	
12 9 23 15 41 0.0000000 10G25G2	9GZ3G31G3UG32G 20		
	40 000		0 000
0.034 42.032	42.032	0.032	0.032
