International Civil Aviation Organization

INFORMATION PAPER

Twenty-fourth Meeting of the Meteorology Sub-group (MET SG/24) of the Asia and Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG)

Web-conference, 16 – 20 November 2020

Agenda Item 3: Planning and monitoring

THE INTRODUCTION OF THE PROGRESS OF CRC

(Presented by China)

SUMMARY

The paper introduces the progress of CRC, the fourth global space weather information service provider, the related work China had done for the construction of CRC, and the current work China is forcing on.

1. INTRODUCTION

1.1 Since the ICAO Council, at its Seventh Meeting of its 219th Session, agreed that the China/Russian Federation consortium (CRC) serves as a global space weather information service provide, China has been concentrating on the construction of it.

1.2 This paper introduces the related work China had done for the construction of CRC, and also mentioned the current work China is forcing on.

2. DISCUSSION

Coordination and Construction in China

2.1 The Air Traffic Management Bureau of CAAC especially launched a meeting to negotiate how and what to do for the construction of CRC. The related departments expressed their vigorously support and cooperation.

2.2 The projects that is related with the hardware and software construction of CRC, had been permitted and are proceeding smoothly as planed since June 2020.

2.3 China representatives had submitted the working paper in the ICAO MET/IE 18th meeting, which introduced the plan of CRC. The paper advised the meeting to update the related guidance and materials in order to meet the current development of the Global Space Weather Centres. The paper could be found at: https://www.icao.int/APAC/Meetings/2020%20METIE%20WG18/WP16_AI-4_CHN_INTRODUCTION%20OF%20THE%204th%20GLOBAL%20SPACE%20WEATHER%20INFORMATION%20-%20Revised.pdf.

2.4 At the same time, China had made and published the internal provisions about the information exchange of SWXAs.

2.5 Training about the generation and dissemination of SWXAs had been organized once, aimed at improving the technical abilities of the meteorologists and engineers.

The coordination between China and Russia

2.6 The coordination meetings between China and Russia were carried on almost every month since July 2020. China developed internal coordination documentation, also had ensured that necessary communication infrastructure and accessibility was ready.

2.7 With regarding to the point mentioned at 2.6, China and Russia have discussed sufficiently, and the work is moving forward step by step.

2.8 China had made the draft construction plan, and detailed the whole project to practical segments, including the roles and responsibilities，dissemination of the SWXAs, handover internally, coordination and consistency of SWXAs, communication, testing and so on.

2.9 Experts of CRC join ICAO Space Weather Center Coordination Group(SWXCCG), which is composed of experts from four global space weather center(SWXC). CRC Integration Sub-team and other sub-teams under the SWXCCG are very helpful for CRC integrating into operation of other global space weather centers.

2.10 According to the work plan of CRC integration, CRC and other centers finalize coordination procedures in October to January 2021. SWXCs will test 4-center coordination procedures in February to April 2021. MET Panel of ICAO will endorses commencement operation of 4-Center SWX information service in METP/5 which will be held in June 2021.

Recent Works

2.11 The bulletin headers for China and Russia had been confirmed and published with the hard work of ICAO SWXCCG Sub-team 7.

2.12 China is working hard to prepare the coming test of SWXAs, which is planned to launch on Nov. 26, 2020 scheduled by ICAO SWXCCG Sub-team 7. China would have the ability to generate SWAs in TAC and IWXXM format before that. Due to the AMHS network with FTBP of China is still in progress, we hope the SWXAs in IWXXM format would be disseminated on time.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.

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