



ICAO

International Civil Aviation Organization
**Thirty-Fifth Meeting of the Asia/Pacific Air Navigation
Planning and Implementation Regional Group
(APANPIRG/35)**
Bangkok, Thailand, 25 to 27 November 2024
**Agenda Item 3: Performance Framework for Regional Air Navigation Planning and
Implementation**
3.6: Other Air Navigation Matters
SUPPORT FOR THE SUSTAINABLE WORKFORCE DEVELOPMENT
(Presented by Japan)
SUMMARY

Inter-regional/states cooperation for the research, development and implementation is a key principle of the ATM Modernization, which is addressed under the “ASIA/PACIFIC SEAMLESS ANS PLAN”. This paper introduces Japan Civil Aviation Bureau’s recent international cooperation activities related to ANS domain.

Strategic Objectives:

B: *Air Navigation Capacity and Efficiency* — *Increase the capacity and improve the efficiency of the global aviation system*

1. INTRODUCTION

1.1 To date, Japan Civil Aviation Bureau (JCAB) has supported some forms of international cooperation activities in the APAC region from the viewpoint of developing Air Navigation Services in line with the Asia/Pacific Seamless ANS Plan. This paper presents representative examples among the international cooperation activities which are currently ongoing, such as JICA (Japan International Cooperation Agency) technical cooperation project, the GNSS Implementation Plan Training in ASEAN2.0, and the JCAB capacity developing project in Pacific Small Island Developing States (PSIDS).

2. DISCUSSION
2.1 JICA related activities

2.1.1 JCAB has carried out international cooperation activities on ANS field for more than 30 years in collaboration with Japan International Cooperation Agency (JICA), especially using JICA Technical Cooperation scheme.

2.1.2 Technical Cooperation is one of JICA's major areas of development assistance, which conducts cooperation to states through the dispatch of experts, the training of local officials for “capacity development”, the supply of equipment, and so on. JCAB has dispatched more than 200 officials to around 20 states as long-term or short-term experts for the JICA Technical Cooperation Project to develop human resources during the past 30 years.

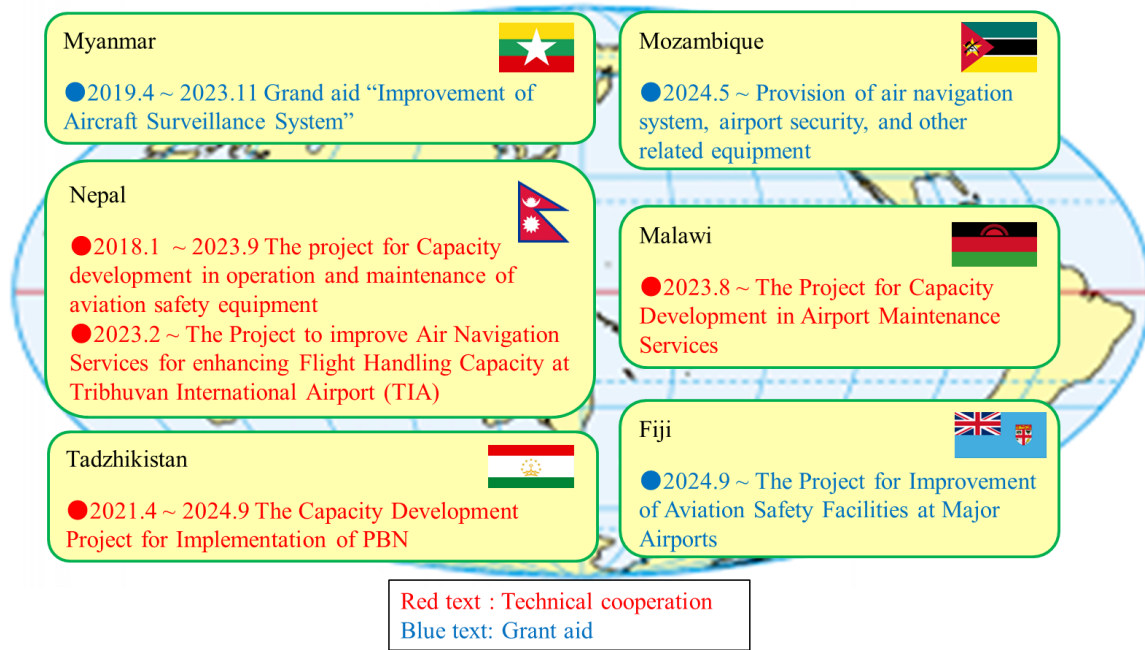


Figure 1. Current JCAB's International Cooperation Activities

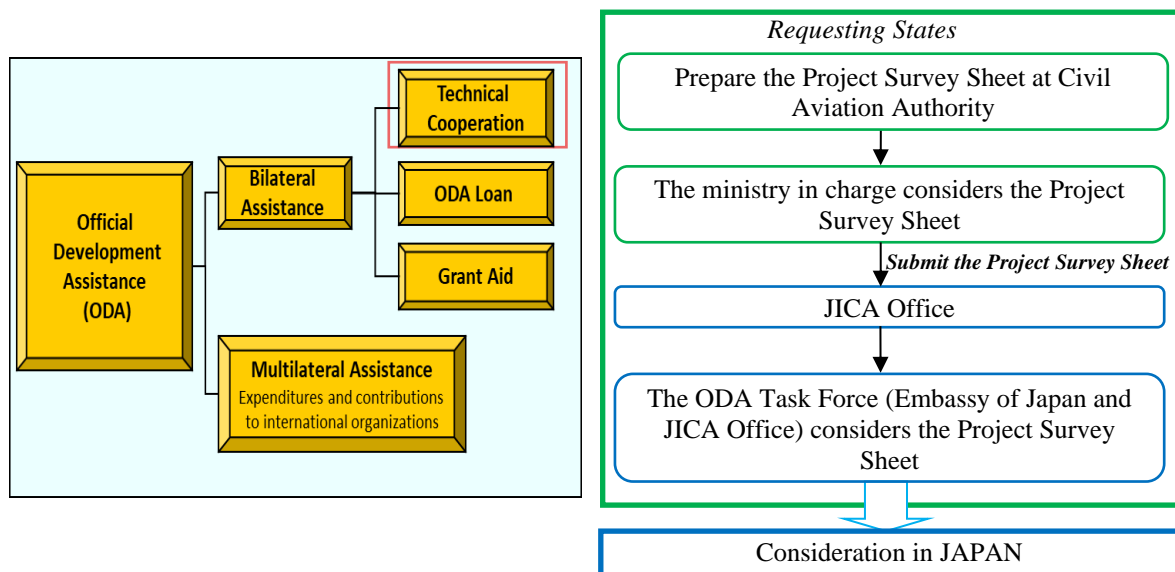


Figure 2. JICA Cooperation scheme structure (left) and JICA Technical Cooperation scheme procedure (right)

JICA “Knowledge Co-Creation Program” is another scheme of the technical cooperation that JICA carries out training in Japan. This program has received many participants across the world so far and provided ANS-related programs as well such as “PBN Instrument Flight Procedure Design” to acquire

enough knowledge and expertise to design air traffic services routes and PBN procedures, which was conducted once a year from 2013 to 2019 with the support of JCAB. Also, a new program titled “Introduction and management of Air Navigation Services (ANS) technology” which is acquired a broad range of knowledge on the Navigation and Surveillance systems has been conducted once a year from 2023 to 2025.



Figure 3. Knowledge Co-Creation Program for PBN Instrument Flight Procedure Design in Japan (left) and for Introduction and management of Air Navigation Services (ANS) technology in Japan (right)

2.2 GNSS Implementation Plan Training in ASEAN(GIPTA)

2.2.1 The Global Air Navigation Plan recognizes GNSS as a key element of the air navigation system that will deliver improved services and meet environmental, efficiency and safety objectives. With the support of JCAB, this project was proposed by Japanese consulting firm and adopted under the ASEAN-Japan Transport Partnership (AJTP) in 2019, which is designed to develop human resources to make a plan to implement GNSS. GIPTA consists of the symposium for ATM personnel in charge of GNSS and training for technical officials of ATM personnel in the ASEAN Member States.

2.2.2 The symposium and training were held in September and November 2022 both in the Philippines. JCAB supported these programs by dispatching trainers to both event and the project completed successfully.

2.2.3 Furthermore, due to the positive reception of this project for ASEAN Member states, GIPTA 2.0 has been launched and planned for three years from 2024. GIPTA2.0 consists of the symposium for ATM personnel in charge of GNSS, Site workshop, Tokyo workshop and training for technical officials of ATM personnel in the ASEAN Member States. The symposium was held at the end of July 2024 in the Philippines. JCAB will continue to support these programs for completed successfully.



Figure 4. Group photo of GIPTA2.0 symposium

2.3 Capacity building of Air Traffic Management in PSIDS

2.3.1 JCAB announced its support for ICAO and its intention to improve global civil aviation by addressing the specific sustainable development challenges impacting the PSIDS at the ICAO Global Implementation Support Symposium 2024.

2.3.2 One of support, JCAB will be invite PSIDS' nominated operational/technical personnel to Japan for training and familiarization in 2024. This training consists of technical tour, workshop and presentation for acquiring the broad range of knowledge and technique on Air Traffic Management in Japan.

2.4 JCAB's Future Activities

2.4.1 JCAB will further continue to work on international activities through mutual understanding and cooperation following the Asia/Pacific Seamless ANS Plan with aiming the "No Country Left Behind (NCLB)" initiative that ICAO highlights its efforts to assist States in implementing Standards and Recommended Practices (SARPs).

2.5 Towards effective international cooperation activities

2.5.1 Although JCAB has supported international cooperation activities in the APAC Region, there has been a lack of information on each States' support needs and the support of other States. It is believed that by clarifying each States' support needs and sharing best practices of other States in ANS, a synergistic effect in cooperation can be achieved in the future.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the importance of inter- regional/States cooperation in APAC Region and encourage States/Administrations to share best practice for support in ANS field.

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