



International Civil Aviation Organization

**The Nineteenth Meeting of the Regional Airspace Safety Monitoring
Advisory Group (RASMAG/19)**

Pattaya, Thailand, 27-30 May 2014

Agenda Item 5: Airspace Safety Monitoring Activities/Requirements in the Asia/Pacific Region

PARMO RNP DATABASE STATUS

(Presented by United States/PARMO)

SUMMARY

This information paper presents a status of the PARMO RNP database. The PARMO is currently attaching RNP type information on the existing RVSM database for operators registered in the United States.

1. INTRODUCTION

1.1 Required Navigation Performance (RNP) is a major component in the implementation of performance based separation minima. The PARMO is developing an RNP Database within one intended used being for scrutiny activities to ensure those aircraft filing RNP in their flight plans have obtained the proper RNP approvals.

1.2 Operations incorrectly filing RNP approval in their flight plan pose a significant risk in the airspace where aircraft separations are predicated on RNP type. The PARMO will use the data base to perform regular checks of the operator compliance with State approval requirements within the Anchorage and Oakland oceanic airspace. The purpose of these checks is to identify operations erroneously filing a RNP type in the flight plan.

2. DISCUSSION

2.1 The PARMO RNP database consists of a combined collection of RNP Equipage and operational fleet records from all known aircraft and operators registered in the United States. The RNP Type information is added to the RVSM approval record for the same operator aircraft combination if such a record exists.

2.2 **Table 1** provides details by operator and the RNP records presently recorded in the database. Currently, the database has 794 entries with American Airlines accounting for approximately 35 percent of all existing entries in the database. The FAA is continually querying operators for their fleet equipage specifications to populate the database.

Operator Description	Percentage of Total RNP Equipage Database Entries
American Airlines	35.01%
Federal Express Corporation	21.54%
United Air Lines, Inc.	16.25%
Continental Airlines	6.05%
United Parcel Service	4.91%

Operator Description	Percentage of Total RNP Equipage Database Entries
Hawaiian Airlines, Inc	2.64%
Kalitta Air LLC	2.39%
Atlas Air Inc.	2.27%
Delta Airlines, Inc.	2.27%
Miami Air Intl., Inc.	1.13%
Southern Air, Inc.	1.13%
Alticor, Inc.	0.76%
Lynden Air Cargo LLC	0.76%
KaiserAir, Inc	0.76%
Falcon Air Express	0.63%
Aerodynamics Inc	0.38%
National Air Cargo	0.38%
Centurion Air Cargo, Inc.	0.38%
Evergreen International Airlines,	0.13%
World Airways Inc.	0.13%
Prescott Support Co.	0.13%
Grand Total	100.00%

Table 1. RNP Database Entries by Operator

2.3 The process for obtaining the RNP Type approval information for the RNP database begins with the archived filed flight plans. These flight plans are examined for a filed RNP Type and compared against the existing RNP database entries. If no record of RNP approval exists in the PARMO RNP database, the FAA Flight Standards group is contacted for more information. If a RNP Type approval is confirmed with the FAA Flight Standards group, the record is added to the PARMO RNP database. This process has shown to take some time to obtain the assurance of the RNP approval for the specific aircraft type observed in the data.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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