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**WORKING PAPER**

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(Information paper)

**ASSEMBLY — 36TH SESSION**

**TECHNICAL COMMISSION**

**Agenda Item 37: Other air navigation matters**

**ESTABLISHMENT OF CONSOLIDATED CENTRES OF THE JOINT ATM SYSTEM OF THE  
RUSSIAN FEDERATION**

(Presented by the Russian Federation)

**EXECUTIVE SUMMARY**

This paper presents information on the establishment of consolidated centres of the Joint Air Traffic Management System of the Russian Federation on the basis of existing zonal, area and auxiliary centres.

<i>Strategic Objectives:</i>	This working paper relates to Strategic Objectives D – <i>Enhance the efficiency of aviation operations</i>
<i>Financial implications:</i>	N/A
<i>References:</i>	<a href="http://www.fana.ru">http://www.fana.ru</a> Web site

<sup>1</sup> English and Russian versions provided by the Russian Federation.

## 1. INTRODUCTION

1.1 Aircraft operations in Russian airspace are supported by eight zonal and over 100 area and auxiliary ACCs of the Joint Air Traffic Management System of the Russian Federation staffed with more than 25 000 employees.

1.2 The current number of ACCs creates certain inconveniences for airspace users, as an aircraft while in flight is consistently controlled by several ACCs. From ANSPs' perspective such air traffic management hampers coordination of airspace utilization, creates preconditions to its capacity limitations and may have a negative impact on safety.

1.3 Within the framework of the Air Navigation System, a large number of ACCs results in aggravating social and economic problems associated with considerable financial costs for operation and modernization of a considerable number of technical aids as well as employment of air traffic controllers, technical and management personnel. In addition, over 20 ACCs located in remote and northern regions of the Russian Federation have been encountering difficulties recruiting qualified ATC and technical personnel.

## 2. DISCUSSION

2.1 In March 2006, the Federal Air Navigation Authority (Rosaeronavigatsia) was established in the Russian Federation to oversee improvements in the national air traffic control system as well as in the safety and effectiveness of the Russian Air Navigation System.

2.2 To improve airspace capacity, safely accommodate air traffic growth, meet airspace users' requirements for air navigation services, reduce operational costs, harmonize the national ATM system with ATM systems of other States in accordance with the ICAO Global ATM Operational Concept, the Federal Air Navigation Authority has made a decision to set up consolidated centres of the Joint ATM System of the Russian Federation.

2.3 Today, the Moscow ATC Centre (MATCC) and Rostov ACC "Strela" are operating as consolidated centres. Based on existing ACCs of the Joint ATM System, ten more consolidated centres and a separate Kaliningrad ACC are being established.

2.4 The establishment of consolidated centres of the Joint ATM System will be carried out in two stages.

2.4.1 During the first stage (until 2010) consolidated centres of the Joint ATM System will be set up on the basis of Irkutsk, Magadan and Khabarovsk ACCs. The modernization of the Moscow ATCC, Rostov ACC "Strela" and Kaliningrad ACC is being completed.

2.4.2 During the second stage consolidated centres of the Joint ATM System in Ekaterinburg, St. Petersburg, Samara, Tyumen, Novosibirsk, Krasnoyarsk and Yakutsk will be established.

2.5 Establishment of a consolidated centre of the Joint ATM System implicates development of a new airspace structure and optimization of ATS route network within its area of responsibility.

2.5.1 This process also envisages upgrading aeronautical airborne and ground telecommunications and surveillance aids as well as provision of radio navigation coverage. Consolidated centres are being equipped with ATM aids and systems in accordance with ICAO CNS/ATM Concept.

2.5.2 The establishment of a consolidated centre of the Joint ATM System necessitates upgrading of existing and construction of new ATC facilities.

2.5.3 The program of establishment of consolidated centres of the Joint ATM System is to be completed by 2015.

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