



**Sixth Meeting of CNS/MET Sub-Group of APANPIRG**

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**Agenda Item 2: Aeronautical Fixed Service (AFS) communications**

**RESULTS AND PLANS BY INSTALLATION SATELLITE AERONAUTICAL FIXED SERVICE COMMUNICATIONS FOR RUSSIAN ATM**

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**SUMMARY**

This paper presents the results and plans by installation Satellite Aeronautical Fixed Service communications for Russian ATM.

**1. INTRODUCTION**

1.1 Strategy of SCAA of Russia is to create new ATM infrastructure. One of the purposes is to decrease amount of ATC centers from 128, which exist for current moment to 20 ATC centers for whole Russian airspace. For achievement of this goal necessary to create modern fixed communication infrastructure. Base of it will be satellite fixed communication system, because the conventional ground communication system is very poor especially for Siberian and Northern parts of Russia.

**2. DISCUSSION**

2.1 SCAA of Russia supposes that it is possible to create the new fixed communication infrastructure till 2010-2011 year. The proposal cost for this new communications is about 12 millions US dollars. The modern communication system will support conventional voice ground-ground procedures such as the procedures are based on digital applications including ATN applications. On the picture is shown that this program has started (yellow color is shown the fixed satellite stations have been installed), but a lot of actions should be done in the future.

**3. CONCLUSIONS AND RECOMMENDATIONS**

3.1 CNS/MET/IC-6 is invited to take into consideration this information on the activities of Russian Federation in implementing new aeronautical fixed communication infrastructure.