



Agenda item 3: Implementation of The Air Traffic Flow Management (ATFM)

ATFM OPERATIONAL PORTAL OF THE CGNA

(Presented by Brazil)

SUMMARY	
This information paper aims to present the ATFM Portal of CGNA and its functionalities for Aeronautical Community.	
References	
• Meeting reports SAM/IG/12, 13, 14, 15, 16 and 17	
ICAO strategic objectives:	<i>A – Safety</i> <i>B – Air navigation capacity and efficiency</i>

1. Introduction

1.1 Since the implementation of ATFM, Brazil has developed strategies in order to improve the quality of the services offered for the users of Brazilian airspace. However, considering the major events hosted by the country, it was mandatory to develop operational strategies to enhance the Collaborative Decision Making in all the phases of ATFM processes.

1.2 In 2013, the Air Navigation Management Center (CGNA) put forth the usage of SIGMA (*AERIAL MOVEMENT MANAGEMENT SYSTEM*), which was of fundamental importance during World Cup FIFA 2014. This system provides basic ATFM information such as graphics for decision making throughout the strategical, pre-tactical and tactical phases.

1.3 Despite the excellent results obtained with the use of such system during World Cup, ATFM would still face challenges with the upcoming major events, i.e., the Olympics and Paralympics Rio 2016. Thus, CGNA personnel set up the ATFM Operational Portal in order to provide all the pieces of information about the activities to be held by this Center, as well as to support the aviation community in their planning and the ATFM managers.

2 Analysis

2.1 Making available detailed pieces of information on legislations, contingencies, runway and ATC capacity, aeronautical information and weather conditions was a hard task which demanded the development of CGNA personnel as a whole.

2.2 In order to bundle up all these information inside a single tool, the Air Navigation Management Center (CGNA) released its Operational Portal available on the internet, with features of fundamental importance for the maintenance of safety and flow availability of air navigation.

2.3 The ATFM operational portal layout was designed so as to portray the ATFM planning related to the ATFM phases, namely, strategic, pre-tactical and tactical phases. Based upon this structure, all pieces of information were thoroughly described and updated according to the actual ATFM scenario.

2.4 Some other information are disseminated at the portal, such as airport capacities, daily briefings, ongoing ATFM measures, weather forecasts and any other important advice for aviation community.

2.5 Mention is to be made as well, on the relevance of the portal usage along the Olympics and Paralympics Rio 2016. Every notice about the restricted areas in the airspace, purposed airports, and specific procedures related to airspace safety, to name only a few, were automatically updated. This had a good impact over the Olympics and Paralympics Rio 2016 air traffic management.

2.6 The implementation of ATFM Operational Portal accomplishes one more step in the searching for ATM systems advances in Brazil, making available an information system which enhances national air traffic management and meets the needs of international aviation community, taking into account all levels of operational safety so as to ease optimum operation by users and efficient information for the collaborative decision making.

3 Suggested actions:

3.1 The Meeting is invited to:

- a) know about the CGNA ATFM Operational Portal features, available on the website www.portal.cgna.gov.br; and
- b) consider all information needed for the ATFM at SAM Region available at the ATFM Operational Portal.