



Major Events Brazilian Airspace



Brazilian Airspace

Purpose

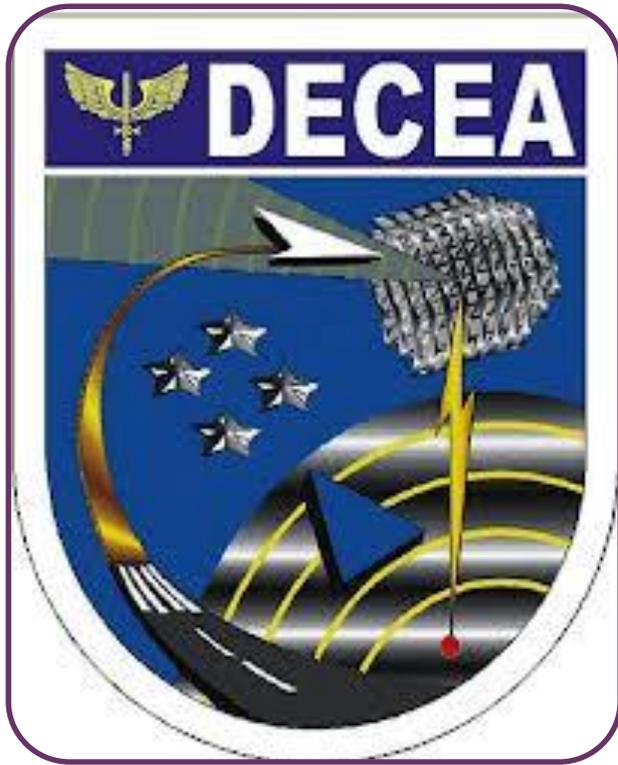
To present an overview of the Brazilian airspace control during the FIFA World Cup – 2014 and Olympic and Paralympic Games – RIO 2016.

Brazilian Airspace

Topics

- DECEA and CGNA concept
- Air Defense concept
- Slots
- Aerodromes
- Publications & Information

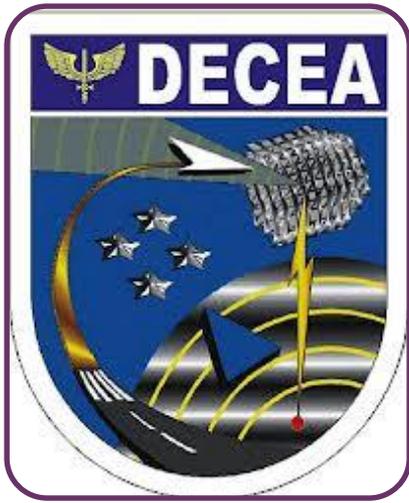
What is DECEA?



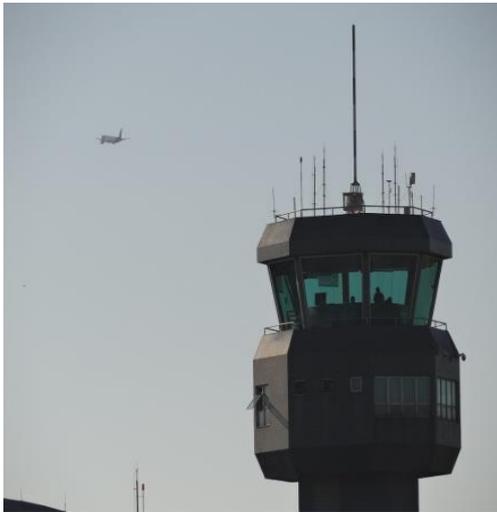
Department of Airspace Control

We are a governmental organization subordinated to the Ministry of Defense and to the Air Force Command, coordinating and providing Human resources, technical equipments for all over Brazilian Territory, aiming to provide security, the flow of air traffic and, at the same time, our military defense.

DECEA concept



- Human resources training
- Technical support
- Operational improvements



What is CGNA?



Air Navigation Management Center

We are a governmental organization subordinated to Department of Airspace Control, settled in the city of Rio de Janeiro. Our mission is to Manage every process related to the Air Traffic Management (ATM)



CGNA Mission

The Air Navigation Management Center's mission is to harmonize the management of air traffic flow, air space and other activities related to air navigation, providing operational management to the Brazilian Airspace Control System's (SISCEAB) current actions and effective supervision of all rendered services.

BALANCE
DEMAND
&
CAPACITY



Planning



Planning

ACTION PLAN FOR THE FIFA BRAZIL SOCCER WORLD CUP 2014



**ACTION PLAN FOR
THE WORLD CUP**

MODULES

- CAPACITY
- PROJECTION OF DEMAND
- MONITORING EQUIPMENTS AND AIDS
- LEGISLATION
- AIR TRAFFIC FLOW MANAGEMENT
- MANAGEMENT OF OPERATIONAL SAFETY
- SECURITY AND DEFENSE
- CAPACITATIONS OF HUMAN RESOURCES
- AIRSPACE DESIGN
- PROPAGANDA

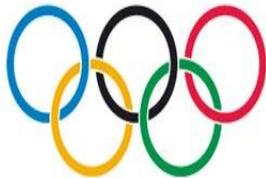


Lessons learned - Previous Events



TM ©

ATHENS 2004



Beijing 2008

TM ©



Lessons learned - Previous Events



**EUROCONTROL CENTRAL FLOW
MANGEMENT UNIT
(CFMU)**



**UK NATIONAL AIR TRAFFIC SERVICE
NATS**

Lessons learned - Previous Events



RIO+20
United Nations
Conference on
Sustainable
Development

WORLD YOUTH DAY



Lessons learned - Previous Events



NEW YORK • NEW JERSEY 2014

Participation as observers

FAA Command Centre



Human Resources Training



ATCO

- ✓ English speaking,
- ✓ Increased air traffic,
- ✓ Threats

Air Defense ATCO

- ✓ English speaking,
- ✓ Increased air traffic,
- ✓ Threats



Human Resources Training



ATFM (CGNA)

- ✓ English speaking,
- ✓ Increased air traffic,
- ✓ Coordinated Airports
- ✓ Threats

AIS

- ✓ English speaking,
- ✓ Coordinated airports



TECHNICAL SUPPORT

- ✓ NAV AID maintenance planning
- ✓ SAGITARIUS (ATC software)
- ✓ SIGMA (ATFM software)



Information Sharing & CDM



Information Sharing & CDM



Air Defense Concept



Air Defense Concept

SOCCER ARENAS – Exclusion Areas

➤ RESERVED AREA (WHITE AREA)

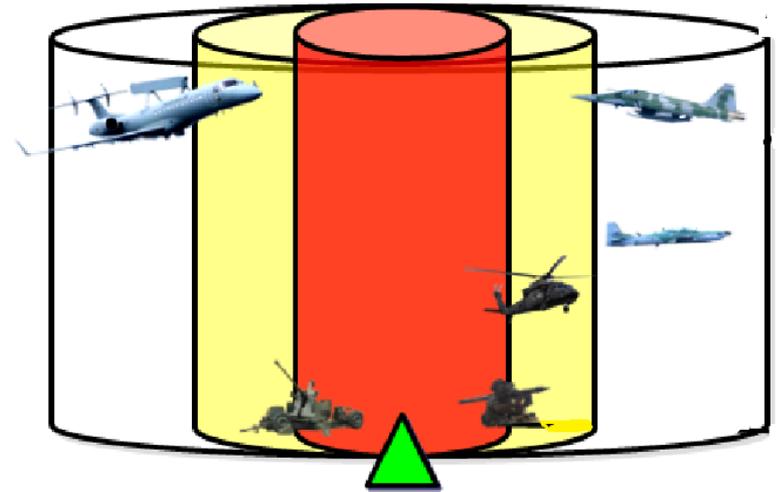
Dimensions corresponding to the TMA and vertical limits from ground level to FL145.

➤ RESTRICTED AREA (YELLOW AREA)

7 NM radius centered on the soccer stadium and vertical limits from ground level to FL145.

➤ PROHIBITED AREA (RED AREA)

4 NM radius centered on the soccer stadium and vertical limits from ground level to FL145.



SOCCER ARENAS

Air Defense Concept

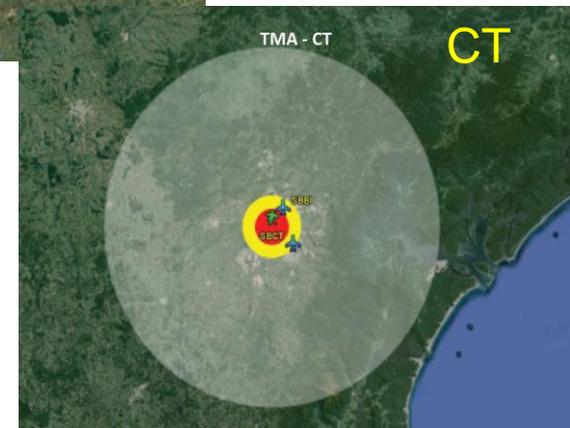
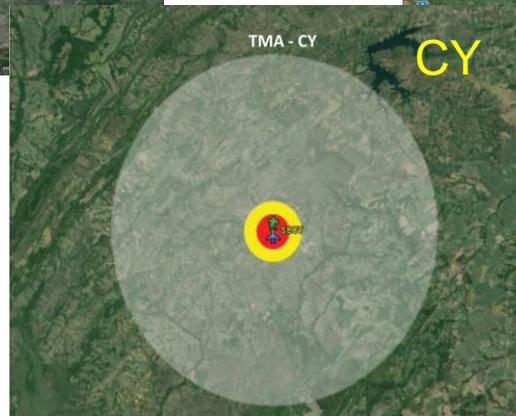
The areas have activated only few hours before until few hours after the matches.

12
CITIES



Air Defense Concept

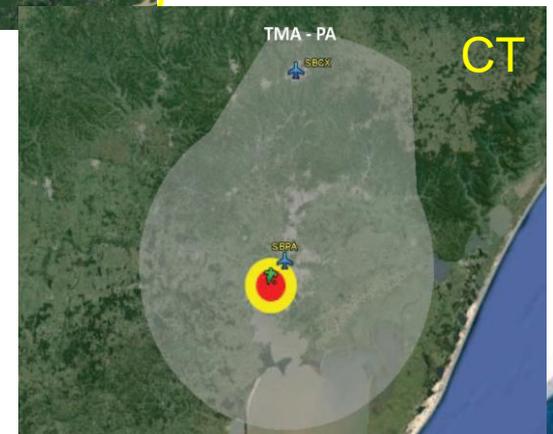
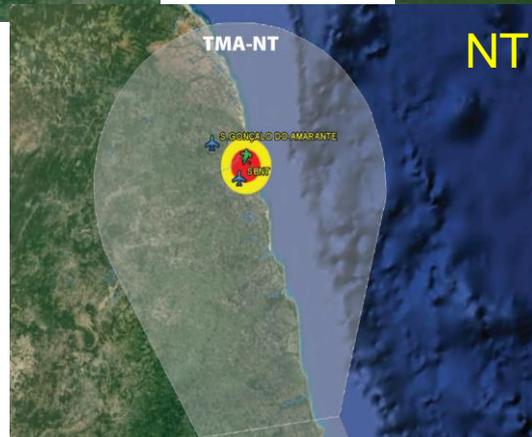
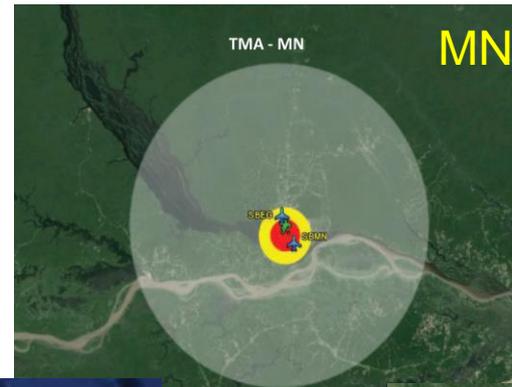
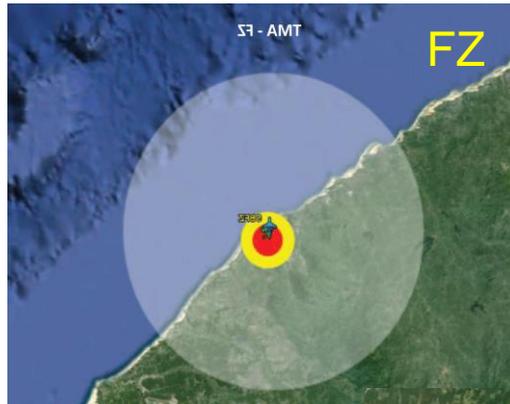
Traffic into these areas was authorized by Air Defense Command.



Air Defense Concept

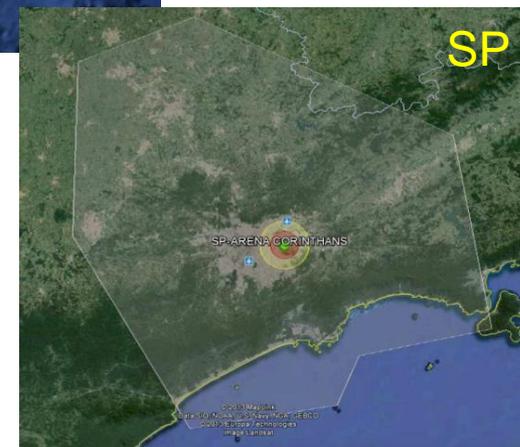
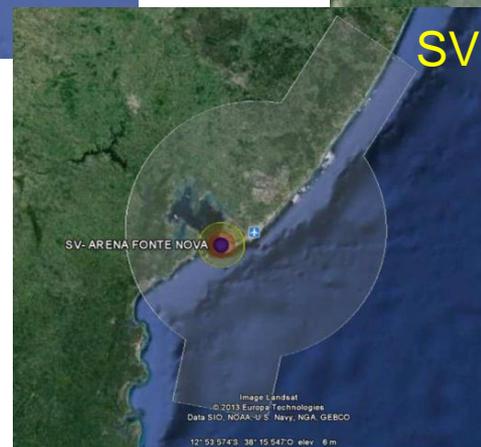
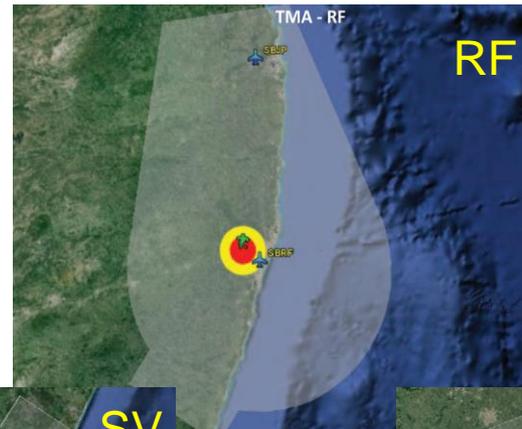
Schedule Flights had a automatic slot for operation.

All network was preserved.



Air Defense Concept

General Aviation had to submit a form to take a slot at least 24h before the proposed flight.



SLOTS

Scheduled Flights

- ANAC

General Aviation

- CGNA

VIP

- Casa Civil / SAC



AERODROMES

68 AIRPORTS



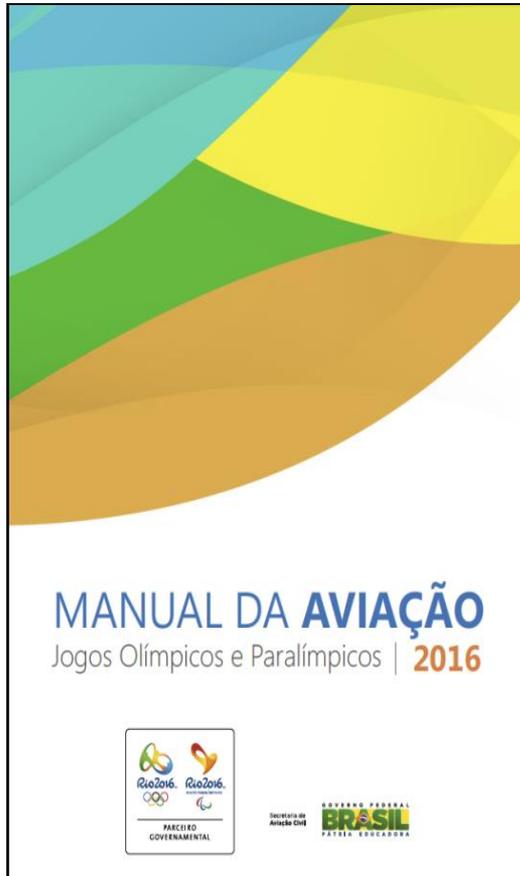
AERODROMES

RIO DE JANEIRO						
FIFA Soccer World Cup Brazil 2014		Designator	VIP	International	Domestic	General
Destination aerodromes	Galeão	SBGL				
	Santos Dumont	SBRJ				
	Jacarepaguá	SBJR				
	Base Aérea do Galeão	BAGL				
	Base Aérea de Santa Cruz	BASC				
Alternate aerodromes	Guarulhos	SBGR				
	Confins	SBCF				
	Campinas	SBKP				
	Brasília	SBBR				
	São José dos Campos	SBSJ				
	Ribeirão Preto	SBRP				
	Vitória	SBVT				
	Juiz de Fora	SBJF				
	Cabo Frio	SBCB				
	Macaé	SBME				
	Campos	SBCP				

AERODROMES

CUIABÁ						
Copa do Mundo de Futebol FIFA Brasil 2014		Indicativo	VIP	Internacional	Doméstico	Geral
Aeródromos de destino	Cuiabá	SBCY				
Aeródromos de alternativa	Campo Grande	SBCG				
	Brasília	SBBR				
	Goiânia	SBGO				
	Palmas	SBPJ				
	Barra do Garças	SBBW				
	Vilhena	SBVH				

Publications & Information



BRASIL AIC

DEPARTAMENTO DE CONTROLE DO ESPAÇO AÉREO A
SUBDEPARTAMENTO DE OPERAÇÕES XX/16
DIVISÃO DE COORDENAÇÃO E CONTROLE
AV. GENERAL JUSTO, 160- 2 ANDAR
20021-130 RIO DE JANEIRO-RJ

XX XXX 2016

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SLOT ALLOCATION REGULATION FOR AIR TAXI AND GENERAL AVIATION AIRCRAFT AT COORDENATED AERODROME THOUGHOUT RIO 2016 OLYMPC AND PARALYMPIC GAMES

1 PRELIMINARY CONSIDERATIONS

1.1 PURPOSE

This aeronautical information circular (AIC) purpose is detailing the procedures for the landings and departures of air taxi and general aviation aircraft at coordinated aerodromes, throughout RIO 2016 OLYMPC AND PARALYMPIC GAMES, modifying the rules in AIP Brazil Part ENR 1.9 and ICA 100-11 (Flight Plan) items 3.2.1, 3.3.1, 5.3.1 and 5.4.1.

1.2 SCOPE

The provisions within this AIC apply, when suitable, to the facilities, and sectors of the Air Space Control System (SISCEAB) concerned with the air navigation management, and also the air space users under Brazilian jurisdiction.

2 INTRODUCTION

The City of Rio de Janeiro was chosen to host the Olympic and Paralympic Games in 2016 the General Assembly of the International Olympic Committee (IOC) at its 121st Session, on October 2, 2009, in Copenhagen - Denmark.

The experience acquired throughout the United Nations Conference about sustainable development (Rio+20), FIFA Soccer Confederations Cup Brazil 2013 and Catholic World Youth Day Rio 2013 raises the confidence that the current airport infrastructure at the main aerodromes in the cities where the soccer matches are going to take place will not suffice to accommodate the expected air traffic demand.

In order to manage the increase of the air traffic and maintain a safe, orderly and efficient air traffic flow, the Air Navigation Management Center (CGNA) is going to coordinate 23 (twenty-three) aerodromes directly related to the reception of people and event participants, and monitor other 50 (fifty), that might, depending on the air traffic demand, be announced coordinated.

Therewith, the airport infrastructure will be used at its maximum capacity, with an efficient decisive system supported by the exchange and spread of management information among air navigation service providers (ANSP), Civil Aviation Authority, Airport Administrations, Aircraft Operators and holders.



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