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**Departamento de Controle  
do Espaço Aéreo**

DEPARTMENT OF AIR SPACE CONTROL - DECEA

[www.decea.gov.br](http://www.decea.gov.br)

**SPECIAL FLIGHT INSPECTION GROUP**



# OBJECTIVE

To present the Brazilian Air Force Group (GEIV), under DECEA's jurisdiction, responsible for the activity of the flight inspection within all the Brazilian territory.

# SUMMARY

- Department of Airspace Control
- History and Location
- Structure
- Flight Inspection



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# DEPARTMENT OF AIRSPACE CONTROL

## DECEA

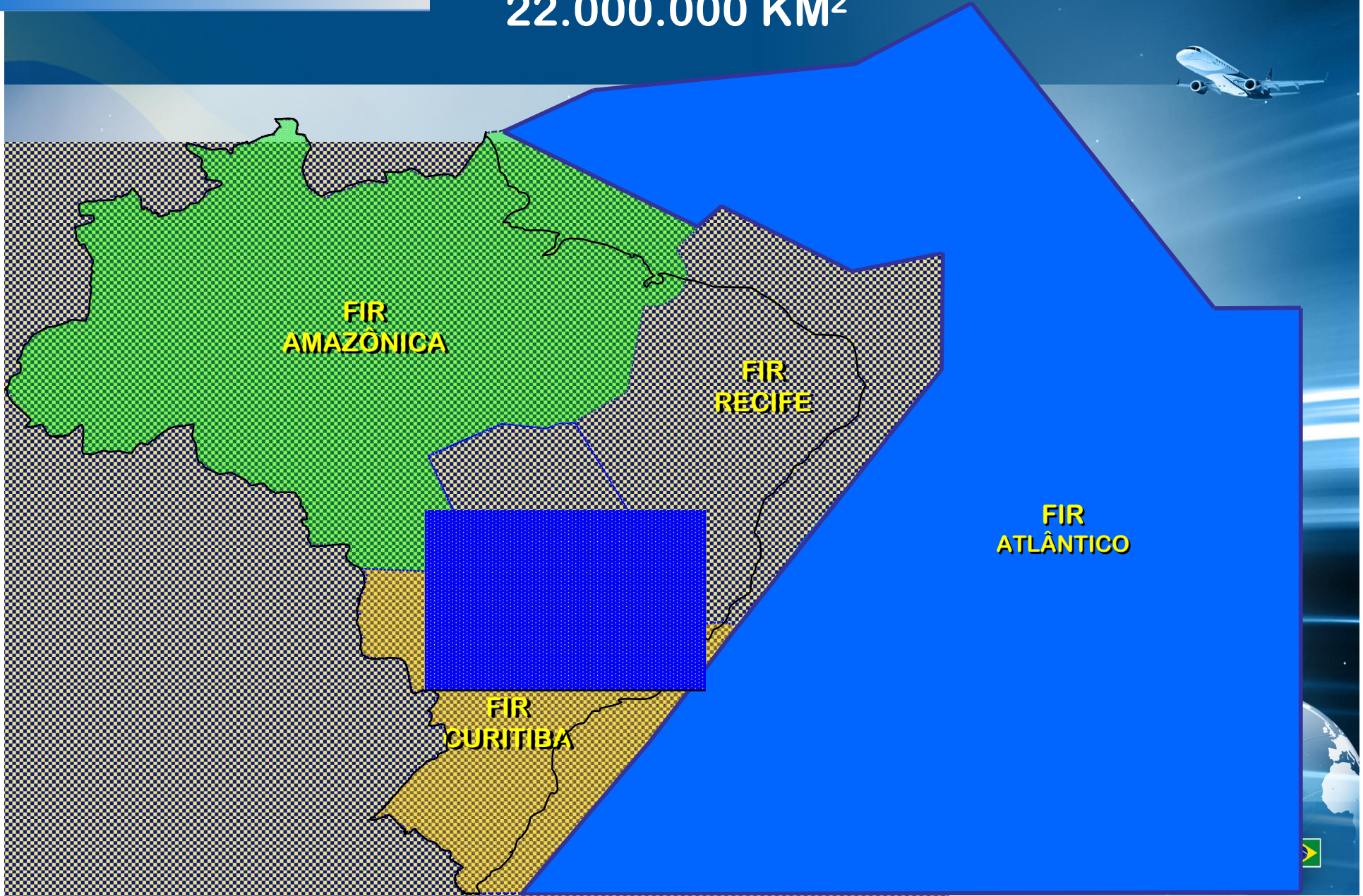


Organization of the Brazilian State,  
subordinate to the Ministry of Defense and to  
the Brazilian Air Force, responsible for the  
strategic and systemic control of the  
country's airspace.

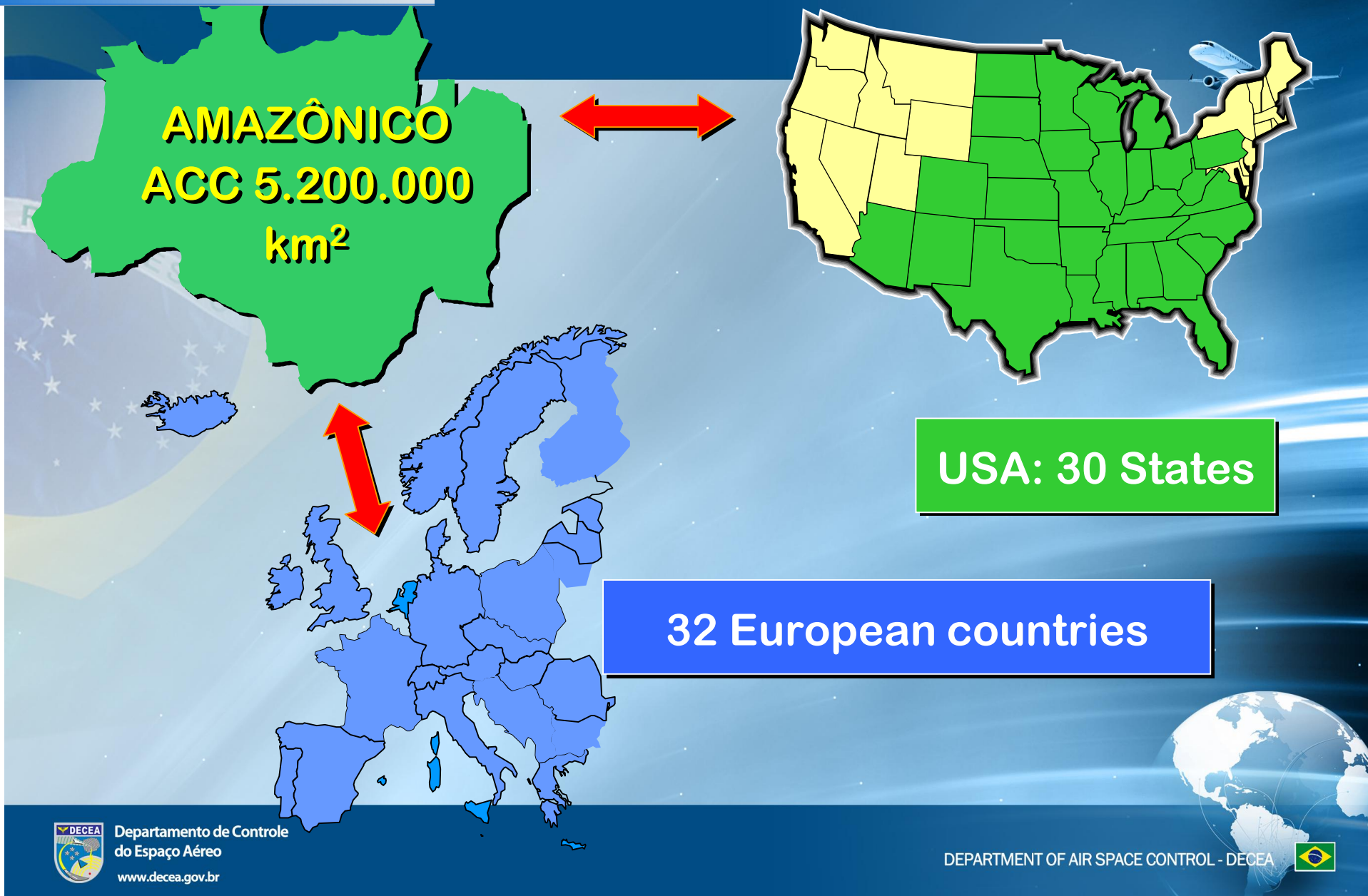


# AREA OF RESPONSIBILITY

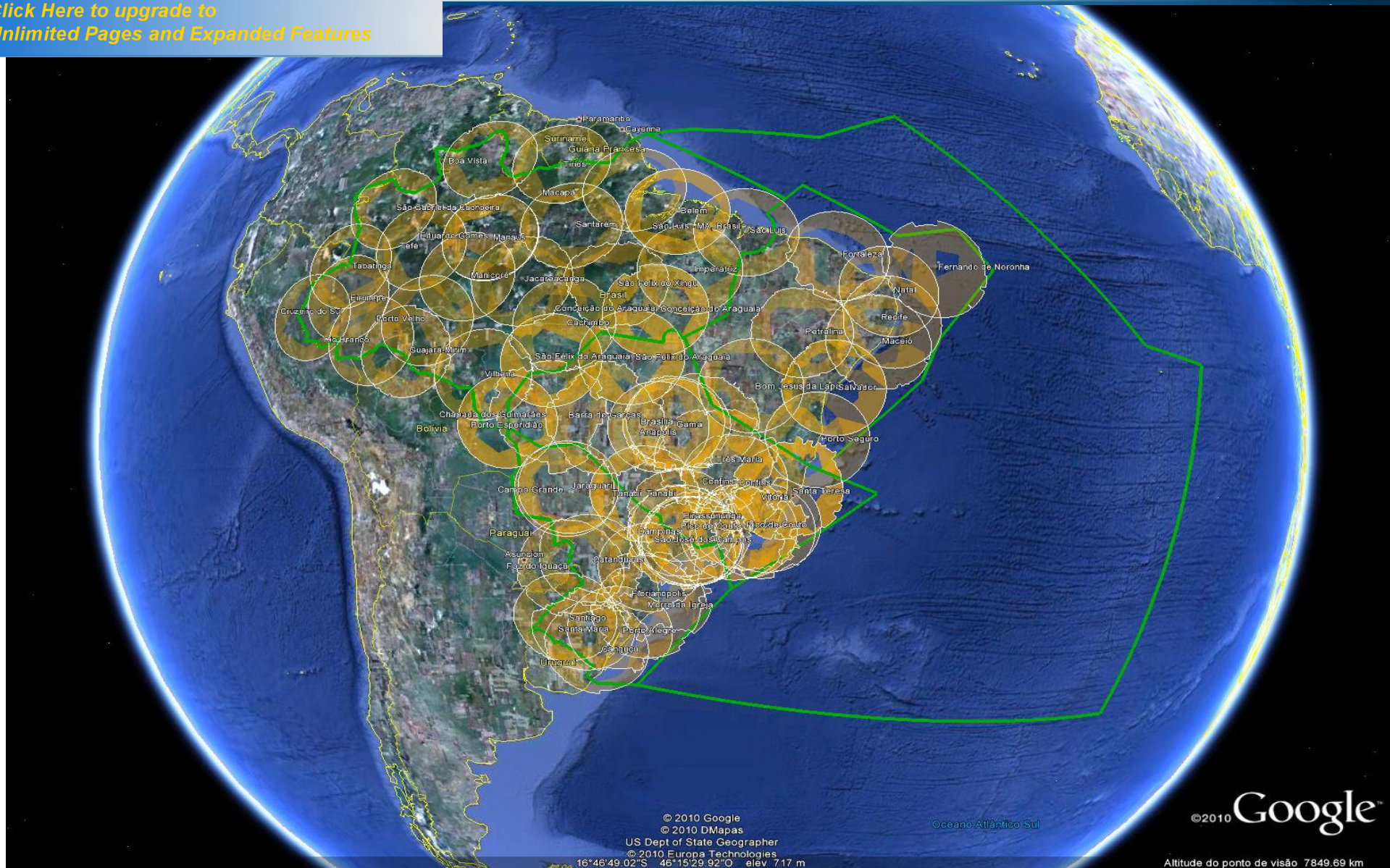
22.000.000 KM<sup>2</sup>



# AREA COMPARISON



# COVERAGE - FL 290



# EQUIPAMENT

- PRIMARY RADARS – 67
- SECONDARY RADARS – 77
- WEATHER RADARS – 17
- APPROACH RADARS – 6
- GROUND RADAR – 1
- VHF/VHF-DF/UHF/HF – 4727
- EMS-1, 2 and 3 + EMA – 187
- VOR – 86
- DME - 107
- NDB – 237
- ILS – 43
- ALS – 24
- VASIS/PAPIS – 165



# AIR TRAFFIC STATISTICS

YEAR	FLIGHT RULES		TOTAL
	IFR	VFR	
2007	1.780.651	936.812	2.717.463
2008	1.939.144	831.062	2.770.206
2009	1.995.580	896.059	2.891.639
2010	2.347.325	1.356.424	3.703.749

CINDACTA I

CINDACTA II

ICA



CINDACTA III

1º GCC

CINDACTA IV

**DECEA**

GEIV

SRPV-SP

PAME

CGNA

ICEA



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# HISTORY



” 1956 - CONTRAF project (Brazil / USA)

- 1958 - arrival of the C-47
- 1959 - first flight inspection with Brazilian airplane and crew



# HISTORY

- 1970 - arrival of the HS-125
- 1973 - GEIV is activated



# HISTORY

- 1976 - first flight of the IC-95  
(national technology)



# HISTORY



- 1977 - first operational crew of flight inspection is graduated in Brazil (IPV)
- 2000 - arrival of Hawker the 800XP and AFIS



# LOCATION

## SANTOS DUMONT AIRPORT, RIO DE JANEIRO



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# STRUCTURE

## AIRPLANES



TYPE	QUANTITY
C-95A	1
IC-95B	3
IC-95C	3
IU-93A	4
<b>TOTAL</b>	<b>11</b>

# STRUCTURE

## CREW

- 01 INSPECTOR PILOT
- 01 OPERATIONAL PILOT
- 01 MAINTENANCE TECHNICIAN
- 01 FLIGHT INSPECTION SYSTEM OPERATOR
- 02 POSITIONING SYSTEM OPERATORS



# STRUCTURE EQUIPMENT

- DRTT (DIGITAL RADIO TELEMETRY THEODOLITE)
- GROUND REFERENCE STATION



# STRUCTURE

## EQUIPMENT

- ” FLIGHT INSPECTION SYSTEM
- CALIBRATION LABORATORY

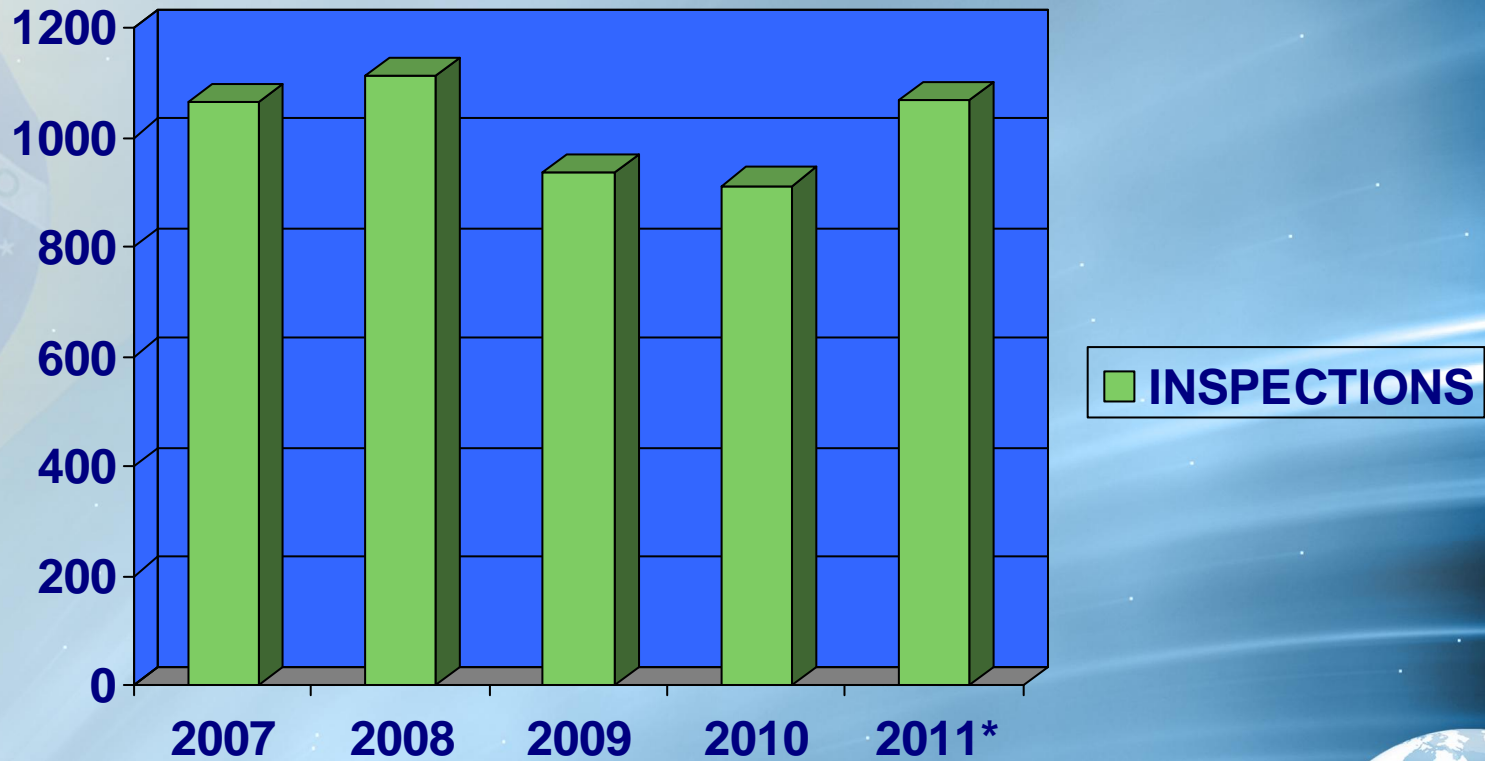


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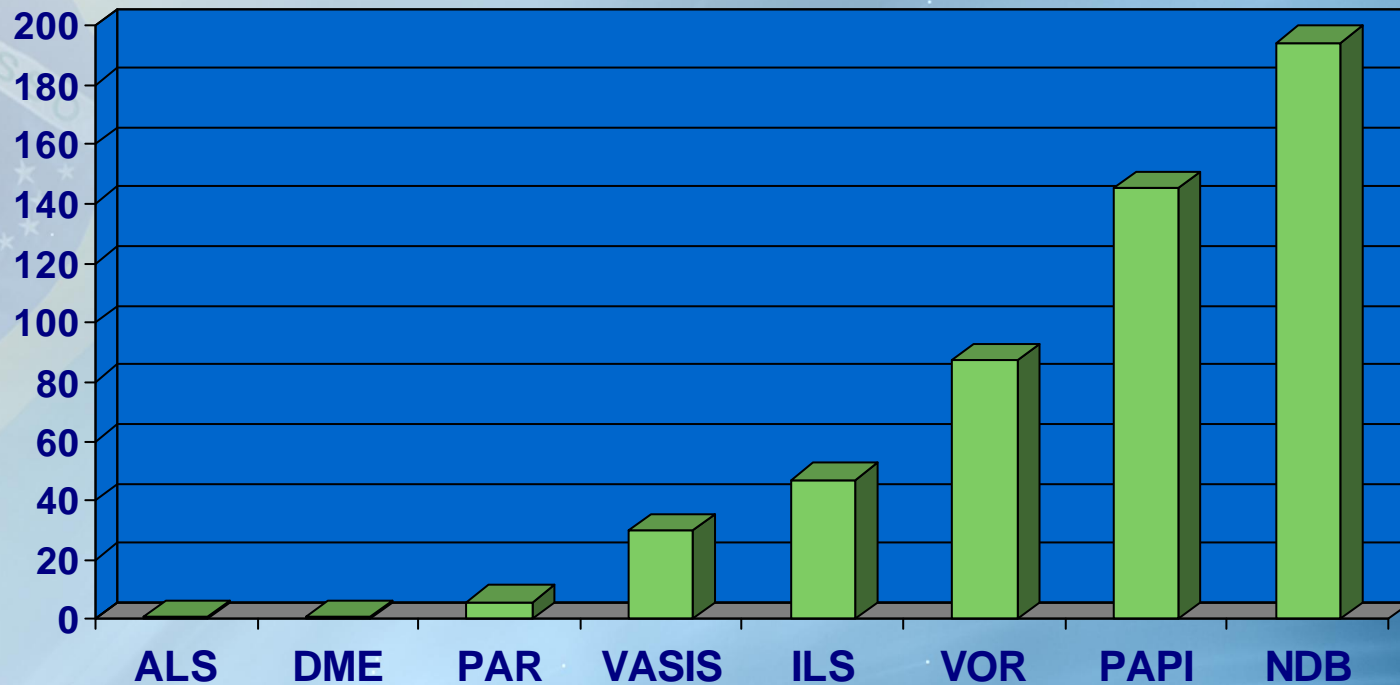
# FLIGHT INSPECTION



# FLIGHT INSPECTION



NAV AIDS



# GHT INSPECTION

- **PERIODIC**

- NAV AIDS – 511

- RNAV PROC – 133

- BARO-VNAV – 70

- **COMMISSIONING**

- **SPECIAL**

- AFTER ACCIDENT

- MAINTENANCE REQUEST

# GHT INSPECTION

## " RADIO MONITORING AND RADIO LOCATION

- ON-BOARD SYSTEM



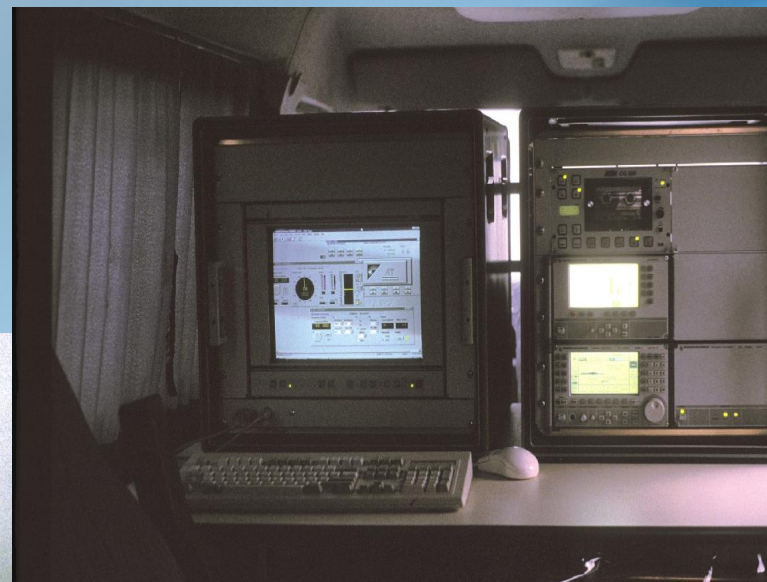
# GHT INSPECTION

- RADIO MONITORING AND RADIO LOCATION
- TRANSPORTABLE SYSTEM



# GHT INSPECTION

- RADIO MONITORING AND RADIO LOCATION
- MOBILE SYSTEM
- PORTABLE SYSTEM



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