Outline

- Historical evolution
- Legal basis
- Role and responsibilities
- Organizational structure
- Aeronautical Products Certification Branch
- Agreements
Historical evolution

- **1900**: 14 Bis Flyer
- **1910**: Federal Inspection Branch
- **1920**: Aluminum Radio (com.&nav.)
- **1930**: ICAO
- **1940**: DAC
- **1950**: 1941 DAC / MAer
- **1960**: 1957 Aircraft Certification by CTA
- **1970**: 1944 ICAO
- **1980**: 1966 CBA
- **1990**: 1975 Aircraft Certification by IFI-CTA
- **2000**: 1986 CBA
- **2010**: 2005 ANAC

**Technology level**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC

**Regulation level**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC

**Turbine engines**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC

**Electronics**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC

**Composites**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC

**Commercial air transportation**
- 1900: 14 Bis Flyer
- 1910: Federal Inspection Branch
- 1920: Aluminum Radio (com.&nav.)
- 1930: ICAO
- 1940: DAC
- 1950: 1941 DAC / MAer
- 1960: 1957 Aircraft Certification by CTA
- 1970: 1944 ICAO
- 1980: 1966 CBA
- 1990: 1975 Aircraft Certification by IFI-CTA
- 2000: 1986 CBA
- 2010: 2005 ANAC
Legal Framework

- **NATIONAL CONGRESS**
  - Law 7.565/1986 (CBA)
  - Law 11.182/2005 (ANAC)

- **REPUBLIC PRESIDENCY**
  - Decree 5.731/2006

- **CONAC**
  - Deliberations

- **ANAC**
  - Resolutions & RBHA Guidance Material Working Procedures

Chicago Convention and the Annexes
ANAC Role & Responsibilities

- All the fields of civil aviation activities, except air traffic control and accident investigation
  - Economics regulation
  - Technical regulation (safety and security)
  - Customer protection
GGCP Organization Chart - Detailed

Aeronautical Product Certification Branch- GGCP
General Manager-Geral: ADEMIR
(129)

Program Management GCPR
Manager: HÉLIO
(68)

Programs Coordination - PHT
CURY, Cesar Silva, Fabiano Hernandez, Lucio, Mauro, Meirelles, Paulo Macario, Pedro Paludo, Rui (12)

Supplemental Type Certification - PST
MOUTINHO, Alex, Amicar, Cesar Filippini, Chiesi, Daniel Pessara, Fabio Shibata, Fabio Dikawa, Georgesani, Jaelle, Léamir, Lucelia, Luciane, Mariacero, Marcos Antonio, Nilson, Rafael Alves, Ronald, Rui Carlos, Zotti, Wiler (22)

Continued Airworthiness- PAC
COWELDF, Daniel Junkes, Gustavo Colares, Mario, Renato Crucello, Rogério Pessi, Vargas (7)

Production & Inspection- PPI
FÁRGO, Adnomer, Archanjo, Bruno, Carlos Eduardo, Clévis, Daniel Salbone, Edison, Evandro, Fabiano Silva, Fortes, Glend, Joao, João Maria, Manoel, Marcelo, Maria Clara, Rafael Ximenes, Rami, Ricardo, Robson, Silvio, Waldery, Zélia (28)

Technical Board GGCP-CT

Engineering Management GCEN
Gerente CESAR
(56)

Systems & Software - ESS
FREITAS, Alfon, Alessandro, Benedeto, Carlos Nascimento, Carlos Melo, Diogo Palma, Marcelo Maia, Paulo Roberto, Pinho, Sérgio Machado, William (13)

Mechanical & Propulsion - EMP
FREITAS, Angelo, Carlos Gomes, Edvaldo, Fabricio, Fausto, Felcar, Generoso, Gilberto, Marcelo Salto, Marcio, Mario Cisano, Ricardo Dupont, Rodrigo Hiyama, Tiago (16)

Structures & Cabin Safety - EEI
FREITAS, Cristiano, Fabio Piosson, Fernando Ferrari, Luis Otavio, Marcelo Amarim, Marcos Sales, Pedro Caldeira, Rafael Ribeiro, Villaroon (15)

Flight Tests & Systems Integration – EVI

Continued Airworthiness- PACOSWALDO, Daniel Junkes, Gustavo Colares, Mario, Renato Crucello, Rogério Pessi, Vargas (7)
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<td>RBHA 22 Gliders</td>
<td>RBHA 33 Engine</td>
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<td>RBHA 23 Normal, Util, Acrob &amp; Com. Airp.</td>
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Phenoms type certification

Activities related to production approvals:

- Embraer Harbin (China)
- Aeromot
- Goodyear

Activities related to type certificated products in operation:

- EMB 202, EMB-110, EMB-120, EMB-145 Family and EMB-170/190 Family
- New Programs (Legacy 500/450) – EMB550/545
- More than 500 STC process
EMB 110/120/121/145 – FABIANO HERNANDES
ERJ 170 / 190 / ECJ (LINEAGE 1000) – JOSÉ RUI
EMB 500/505 – LÚCIA NUNES
EMB 550/545 – EDSON CURY (new programs)
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As October 2007
Bilateral arrangements

More than 30 technical agreements to support the Brazilian type design products around the world:

- Memorandum of Understanding, Protocol of Understanding, Arrangement, BASA, etc.

Several countries:

- USA, European Union, Russia, Japan, Chile, Argentina, China, non-EU European countries, etc.

Under negotiation process:

- Canada, Australia, Japan
This branch:
www.anac.gov.br/certificacao

ANAC:
www.anac.gov.br