

CARSAMMA

CAR/SAM

Monitoring

Agency

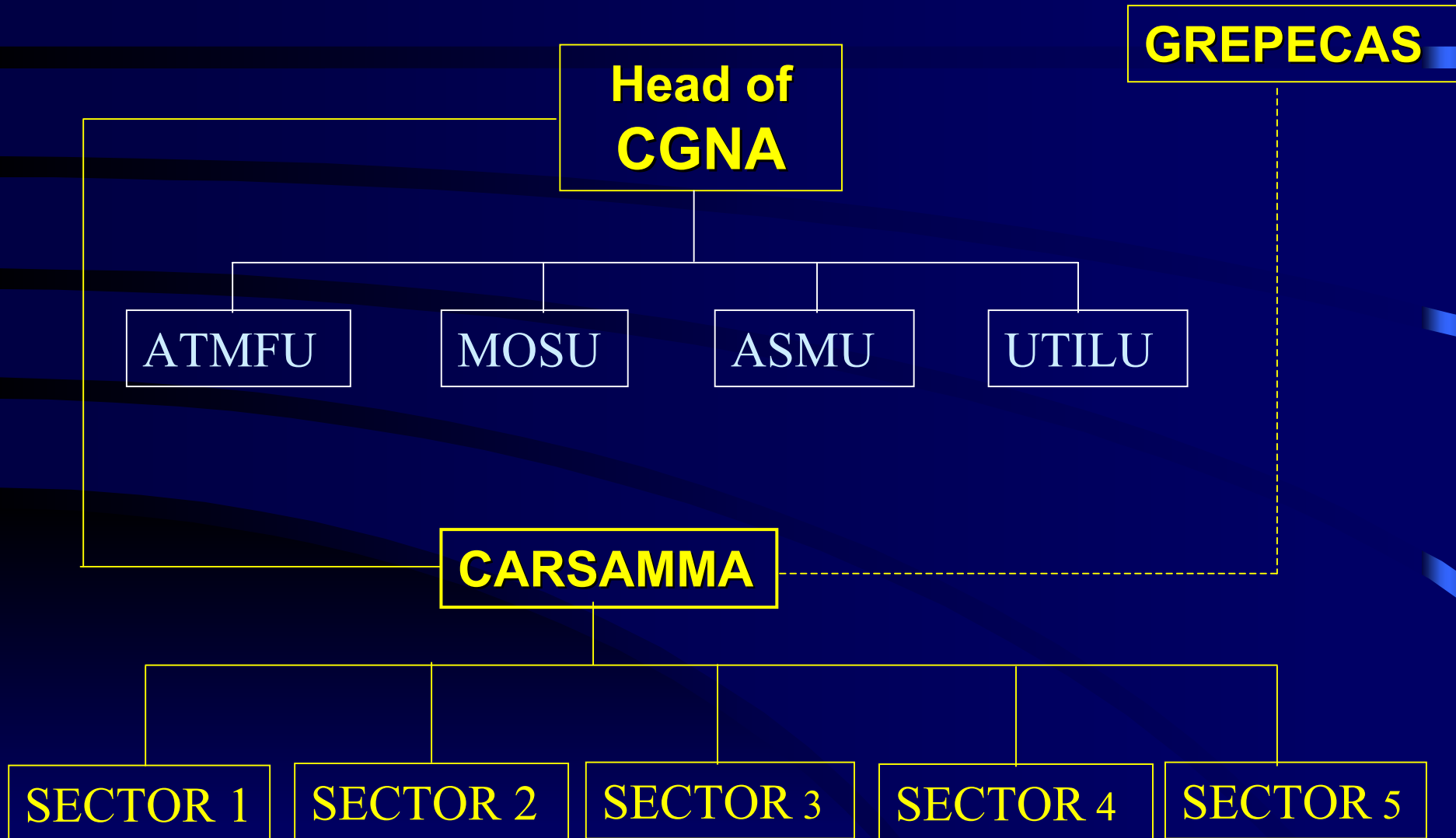
Topics

- History
 - ◎ Structure of CARSAMMA
 - ◎ Purpose and routines of CARSAMMA
 - ◎ Data collection
 - ◎ Reporting to CARSAMMA
 - ◎ Work in progress

History

- At GREPECAS 10, held in Oct. 2001, Brazil took on the responsibility for the CAR/SAM RMA.
- At GREPECAS 11, held in Dic. 2002, Brazil was assigned the tasks and duties of the CAR/SAM Monitoring Agency.
- Consequently, the CAR/SAM RMA (CARSAMMA) was placed under the responsibility of the Air Navigation Management Centre (CGNA), located in Sao Jose dos Campos - SP.

Structure of CARSAMMA



Sector of CARSAMMA

CARSAMMA

— **Sector 1** – Management and Coordination;

— **Sector 2** – Data processing;

— **Sector 3** – Aircraft monitoring;

— **Sector 4** – Safety analysis;

— **Sector 5** – Data base.

Purpose of CARSAMMA

- Support the implementation and the continued and safe use of **RVSM** in the CAR/SAM Regions.

Routines of CARSAMMA

Pursuant to its purpose, CARSAMMA will carry out its activities through five routines:

- 1. Establish and maintain an RVSM approval data base;**
- 2. Monitor height-keeping performance and the occurrence of great altitude deviations, and issue the appropriate result reports;**
- 3. Analyze safety and the degree of readiness of operators and issue the appropriate result reports;**

Routines of CARSAMMA

- 4 .** Assess if operators meet the approval criteria established by the State after RVSM implementation;
- 5 .** Take the necessary action if RVSM requirements are not met.

CARSAMMA Operating Model

Document containing the description of:

- CARSAMMA responsibilities;
- the activities in each routins;
- duties and tasks of each Sector.

Data Collection

Air Traffic Movement in the CAR/SAM FIRs

- Data collection has been carried out by the States at the request of the Lima Regional Office;
- Collecting period : 01 to 31 December 2002;
- Date of delivery: 01 February 2003;
- Data collection: Based on the appropriate form, in Excel format and guidance provided for its completion.
- Flight level block: From FL 290 to FL 410, inclusive.

Data Collection (December 2002)

• N° of CAR/SAM States ----- **40**

• N° of CAR/SAM FIRs ----- **41**

• N° of States that sent data ----- **21**

• N° of FIRs with data samples ----- **34**

• N° of States from whom **NO** data was received ---- **7**

• Total number of flights processed to date,
corresponding to 26 FIRs ----- **107.379**

Data Collection

- ❑ **Difficulties** encountered for data processing:
 - Forms completed with **FIR names that are different** from those established in the ERCs.
 - Forms improperly completed, for instance:
B-747, VRG 8923, FL 290; O por 0;
 - Forms completed **without identifying the FIR;**
 - Forms completed only with information on **some of the days of the period requested.**
 - Use of forms that **don not correspond to the established model.**

Reporting to CARSAMMA

States must remind the need to inform CARSAMMA about:

- the “status” of approval of aircraft/operators;
- RVSM approvals issued;
- large deviations (lateral and vertical);
- point of contact in the State RVSM authority;
- point of contact in the State civil aviation authority.

Work in Progress

Determine:

- Occupation value;
- Passing frequency;
- Average size of aircraft;
- Average speed of aircraft;
- More frequently flown routes;
- More frequently used flight levels;
- Number of flights by type of aircraft;
- Probability of vertical and lateral “overlap”.

Date foreseen for risk assessment results

- ♣ The first Risk Assessment for the CAR/SAM Regions is foreseen to begin in December 2003.

CAR/SAM Monitoring Agency

CARSAMMA

Address:

Av. dos Astronautas n. 1941
São José dos Campos - SP, Brazil

CEP: 12.227-000

Tel: 55 (12) 39 04 50 04

Fax: 55 (12) 39 41 70 55

E-mail: carsamma@cgna.gov.br

Site: www.cgna.gov.br