EAMAC

EAMAC, *a Regional Training Centre of Excellence,*

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I- ASECNA

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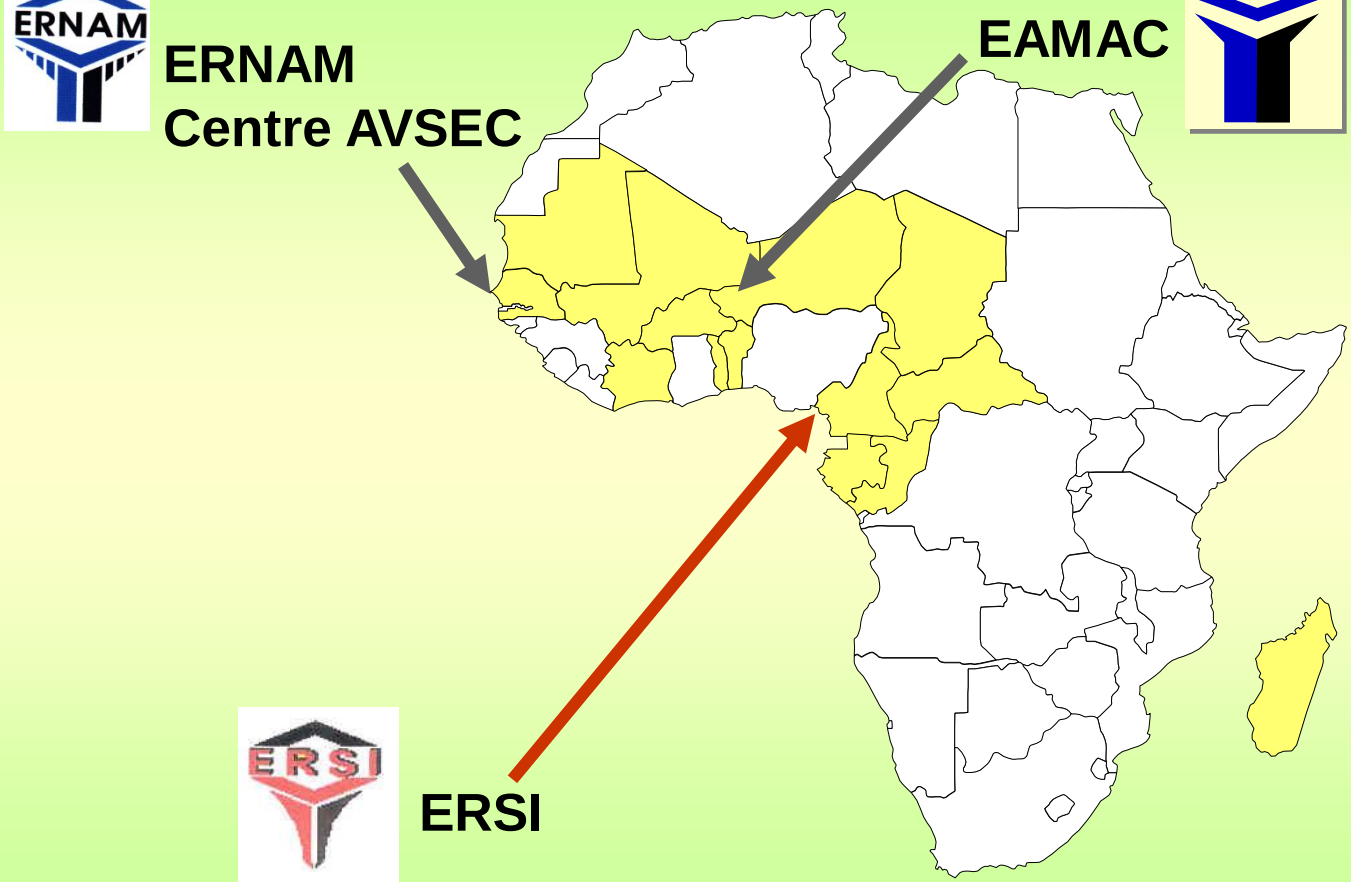
ASECNA stand for Agence pour la securité de la navigation aérienne en Afrique et à Madagascar,

- 17 African member states, mainly French speaking
- Saint-Louis Convention in 1959,
- revised in Dakar in 1974
- Libreville Convention signed en 2010.

ASECNA has three schools : ERNAM, ERSI and EAMAC.

I-ASECNA



II- EAMAC

Aeronautical Met.

Air Trafic C.

Air Navigation Equipement Maintenance Met.

Air Transport.

II- EAMAC

- EAMAC stands for Ecole Africaine de la Météorologie et de l'Aviation Civile
- Created in 1963,
- Located in Niamey - Niger

III- EAMAC MISSIONS

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- Ab initio Training in Air Navigation, Meteorlology, Electronics and computer science for member states and other states.

- Recurrent training for Professionals from ASECNA in those different fileds plus Air Transport.

IV- TRAINING DEPARTMENTS

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EAMAC has three training Departments :

1. Department of Air Navigation and Air Transport
2. Department of Meteorolgy
3. Department of Electronics and computer Science

V- AB INITIO AND RECURRENT TRAININGS

Ab Initio

Following diplomas :

1. **Engineer (A levels +5 years):**

- Meteorology
- Air Navigation
- Electronics and computer Science

2. **Senior Technicians (A levels +2 years)**

- Meteorology
- Air Navigation
- Electronics and computer Science

Ab initio

3. Air Traffic Control Diploma (A levels + 3)

- Aerodrome/Approche
- En Route

4. Technician (A levels +1)

- Meteorology
- Civil Aviation

Recurrent trainings

EAMAC provides recurrent trainings yearly in :

- Air Navigation : 24 trainings
- Air Transport : 10 trainings
- Meteorology : 17 trainings
- Electronics et Computer science : 20 trainings,

Recurrent trainings

- Meteorology : 17 trainings
- Aeronautical Meteorology
- Weather Forecasting
- Use and Interpretation of Numerical Weather Prediction Product
- Satellite Meteorology Application
- Weather Observation

Recurrent trainings

- Instrumentation
- Tropical Meteorology
- Upper air Sounding
- Training For Trainers
- Assessors Training

V- Ab initio and recurrent trainings

Trainees

Average numbers per year :

- 300 students
- 400 professionals.

In 2018 EAMAC had delivered in total 4189 diplomas, including :

- 612 engineers;
- 795 Air Traffic Controllers;
- 2003 Senior Technicians;
- 779 Technicians.

VI- ACCREDITATIONS

VI- Accreditations

- EAMAC is an ICAO Regional Training Centre of Excellence,
- EAMAC is a member of ICAO TRAINAIR PLUS Programme,
- EAMAC is a WMO (World Meteorological Organisation) Regional Training Centre of excellence,
- EAMAC is certified ISO 9001: 2015

VII- PARTNERSHIPS

VII- Partnerships

EAMAC has training partnerships with the following :

- ENAC (Ecole Nationale de l'Aviation Civile –France)
- ENM (Ecole de nationale de la Météorologie France)
- NCAT (Nigerian College of Aviation Technology-Nigeria)
- SAA (Singapore Aviation Academy)
- GATA (Ghana Aviation Training Academy)
- EUMETSAT (Europe)
- AGRHYMET (Niger).
- Université ABDOU MOUMOUNI (Niger)
- ACMAD (Niger)

VII- Partnerships

In the Field of Meteorology:

- ENM (Ecole de nationale de la Météorologie France)
- Strong and historic parternership with ENM-Toulouse
- Capacity building for our trainers
- One month training for ingineer student in their final year

VII- Partnerships

In the Field of Meteorology:

- EUMETSAT (Europe)
- ESAC Course each year with almost 20 participants from RA-I french speaking countries (Online and Face to face)
- Capacity building for our trainers
- ASMET (Setting up training ressources in the field of Sat Met)

VII- Partnerships

In the Field of Meteorology:

- AGRHYMET (Niger).

(Agrometeorology and hydrometeorology training Modules)

- Université ABDOU MOUMOUNI (Niger)
- (Initial training)
- ACMAD (Niger)

NEEDS

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- Training staff renewwed at 99%
- Need to specialized most of them in diffrent fields (NWP, Data Assimilation, Convection; etc.)
- Boost our Research Unit
- Paternership with other training institutions particularly with those who are in RA-I : Nigeria, Algeria, Kenya, Madagascar and South Africa
- Etc.

IX- HUMAN RESSOURCES

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INSTRUCTORS

- 11 permanent instructors
- Instructors from ASECNA Operational Centres
- Part time teachers from University and other partners,

IX- INFRASTRUCTURES

Conferece room 150 seats

Library

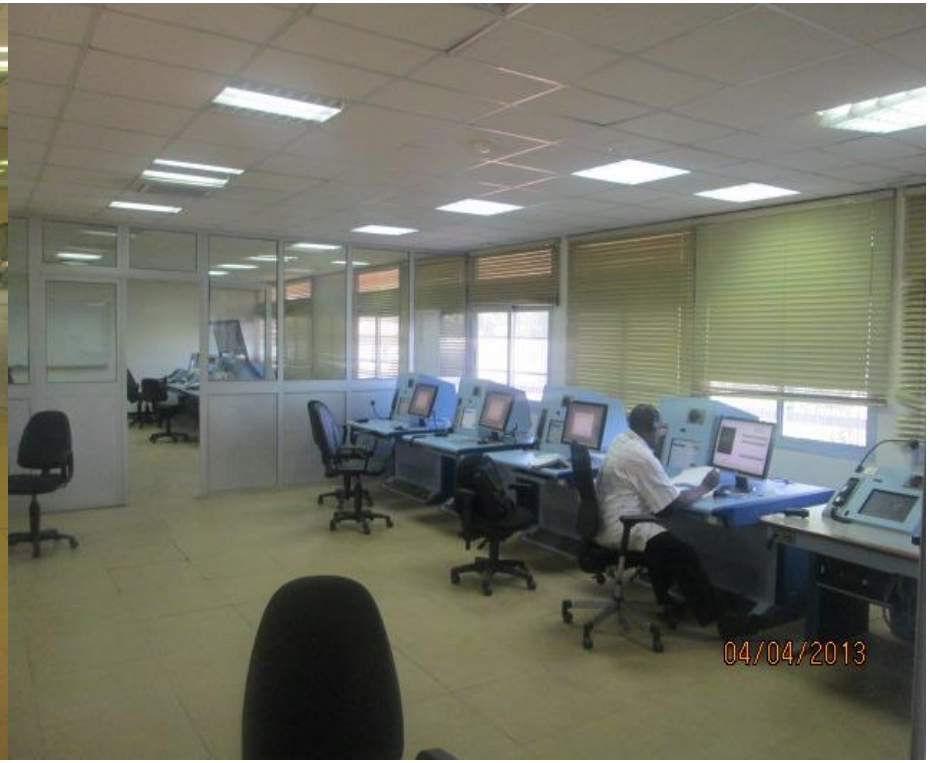
Restaurant 150 seats

Student hostels (316 rooms)

AERODROME CONTROL SIMULATOR

SCANTOWER

APPROACH AND EN ROUTE SIMULATOR



SCANSIM/SCANRAD

EN ROUTE RADAR SIMULATOR

EUROCAT-X

INSTRUMENT APPROACH PROCEDURE DESIGN LABORATORY

METEOROLOGICAL PARK

PUMA SYNERGIE METEROLOGICAL LAB

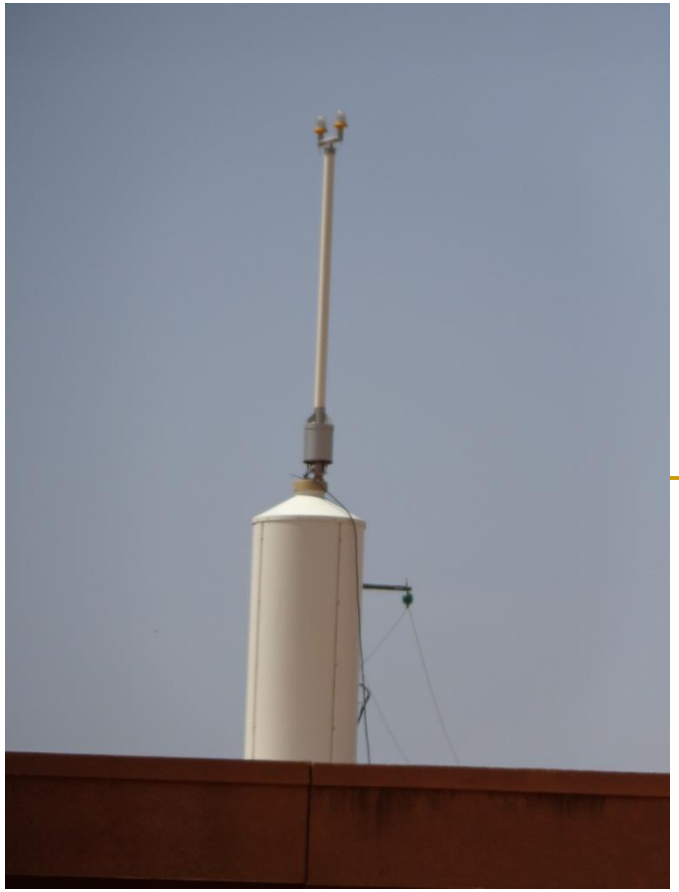
METEOSAT SECOND GENERATION LAB

METEOROLOGICAL SURFACE OBSERVATION LAB

FLIGHT SIMULATOR

AIRPLANE: PA 28

NAVAIDS LAB



VOR DME Antenna

GLIDE Antenna

LABORATOIRE DES AIDES A LA NAVIGATION

LOCALIZER Antenna

VSAT LAB

ANTENNE VSAT

THANK YOU