



**INTERNATIONAL CIVIL AVIATION ORGANISATION
WESTERN AND CENTRAL AFRICAN OFFICE**

AFI SATELLITE NETWORK MANAGEMENT COMMITTEE MEETING

(21ST MEETING)

Conakry, Guinea, 16 to 20 November 2013

Agenda item 1: Development of a training programme for maintenance Personnel

(Presented by Ghana Civil Aviation Authority)

SUMMARY

The purpose of this paper is to report to the meeting on the status of the training document developed for ATSEPS in the AFI region in Decision 20/02 SNMC meeting held in Abuja, Nigeria from the 08-12 October, 2012

Reference:

SNMC 19 Decision 19/03

SNMC 20 Decision 20/02

1. INTRODUCTION

The SNMC 20 meeting held in Abuja, Nigeria from 08-12th October, 2012, formulated Decision 20/02 Ghana to report on the coordination of the work of the Task Force on draft training programme for AFISNET maintenance personnel.

Decision 20/02: Development of a training programme for maintenance personnel

That:

- a) 20/02: Ghana to report on the coordination of the work of the Task Force on draft training programme for AFISNET maintenance personnel.
- b) This programme be based on the common facilities and the provision of ICAO Training Manual for Air Traffic Safety Electronics Personnel (ATSEP), Doc 7192-AN/857 Part E-2 version 2011

2.0. DISCUSSIONS

Ghana as at the November, 2011 after the SNMC 19 has been able to adapt this training document into the ACT 678 of Ghana Civil Aviation Authority regulations which was enacted By parliament.

1. Eligibility:

To be eligible for the grant of an ATSEP License, for AFISNET personal a person shall:

- (a) Age to be determine by individual states.
- (b) Provide a medical certificate of fitness showing he/she is physically fit and there is no evidence of alcoholism and narcotic use or addiction;
- (c) Qualification to be determine by each individual state
- (d) Comply with the knowledge, experience and competency requirements for the category and ratings sought, and
- (e) Sit and pass all prescribed tests in an Approved Training Organization (ATO), local or overseas, for the licence and ratings sought in not more than 3 attempts within a 12 month period.

(1) Ratings issued:

- (a) Communications
- (b) Navigational aids
- (c) Surveillance
- (d) Power systems
- (e) ATSEP Instructor's rating (*ATSEP Train-The-Trainer, Examination Assessor*)

The following systems are issued with a license:

- (a) **Communications** (*Voice Communication- VHF/HF RADIOS/VCCS/Voice Recorders*),(*DATA Communication/ATN/AMHS/AFTN/CPDLC data links*), (*Communication Satellite systems includes. IBS/VSAT/*), Microwave/Fibre optics, digital/analogue techniques, PABX, ATIS
- (b) **Navigational Aids** (*VOR/DME*), (*NDB/Loc. Bcn*), (*ILS Loc/ILS GS.*), (*GNSS/ Augmentation Systems*)
- (c) **Surveillance** (*PSR*), (*SSR*), (*Mode S/ADS-B/ADS-C/WAMLAT.*)
- (d) **Power/Safety-Electro Mechanical Systems** (*Gensets/UPS*), (*Cooling Systems*), (*Solar Power systems*), *Airfield Ground Lighting(AGL)*

(e) **Flight and Ground Radio Navigational Aids calibration** (*Calibration Console*), (*Radio Telemetry/Theodolite GPS*), (*Avionics*)

(f) **Meteorology** (*AWOS*)

(g) **Any other facilities/equipment/systems/technologies as may be introduced in future for CNS/ATM**

(2) Requirements for the issue of License:

(a) **An applicant for the issue of ATSEP Licence shall:**

(i) Age to be determine by states

(ii) Have the requisite knowledge

(iii) Pass a written and oral examination for ATSEP Licensing

(b) **An applicant for the issue of an appropriate ATSEP rating shall:**

(i) comply with the requirements prescribed in ICAO DOC 7192 and

(ii) pass the 26 weeks on- the- job proficiency checkout/examinations in the appropriate rating field sought under a State approved or designated supervisor

(3) Requirements for the issue of ATSEP Ratings:

(a) An applicant for the issue of ATSEP rating shall comply with the requirements prescribed in ICAO DOC 7192-AN/857 Part E-2 version 2011

(b) An applicant for the issue of appropriate rating shall comply with the requirements prescribed in *ICAO DOC 7192-AN/857 Part E-2 version 2011*

(c) Comply with the requirements of 2 b. (ii) above.

(4) Training

The applicant should have completed a course of training appropriate to the privileges to be granted.

(5) Skill

The applicant shall demonstrate the practical ability to perform all functions applicable to the privileges to be granted

(6) Privileges and Limitations:

(a) The privileges of a holder of an ATSEP license comprises certification of Air Traffic Control system/equipment including relevant software for operational use by Air Traffic Controllers and, Air Traffic Control equipment operators following

installation, inspection, calibration, repair or modification of Air Traffic Control system or equipment.

(b) The privileges of the holder of an ATSEP license as prescribed in paragraph (a) above shall be exercised only in respect of:

(i) Air Traffic Control systems or equipment rating as entered in the license, provided that the license holder is familiar with all relevant information relating to the maintenance work for which the holder is signing a maintenance certificate or such ATS electronics software which the license holder is certifying for operational use, on condition that within the preceding 24 months, the license holder has either had previous experience in the inspection, validation or maintenance of Air Traffic Control systems/equipment, associated power systems or components including software thereof.

(c) Only an ATSEP license holder, with appropriate ratings, can certify maintenance work carried out, or return of faulty equipment to operational status.

(d) No ATSEP license holder shall act as an Instructor unless he has been properly trained to do so and authorized by the Authority

(7) Medical Fitness:

An ATSEP license holder shall not exercise the privileges of the license if it is known that physical or mental conditions render him unfit to exercise such privilege.

(8) Revocation, suspension or Limitation of Licence:

The Authority may, on reasonable grounds after due enquiry, revoke, suspend or vary an ATSEP license if the Authority is not satisfied that the holder is fit and the proper person to hold such license or is in violation of any of the applicable provisions of these regulations.

(10) Validity: The ATSEP license shall be valid for a period of 36 months

(11) Renewal/Inclusion of licence

The ATSEP license holder shall apply for renewal of his license at least three (3) months before the expiry date of his license. Inclusion of new ratings shall be processed as at and when due, upon application.

(12) **Currency**

The currency of the license is limited to 12 months in accordance with the date on which the medical assessment expires. The renewal procedure is done each time the currency ends.

(13) **Recurrent training**

A holder of an ATSEP license shall undergo a recurrency training once in every 12 -months. The recurrency training is designed to review, reinforce or upgrade existing knowledge and skills, including team spirit.

(14) **Maintenance of Competency**

A holder of an ATSEP license shall maintain a proficiency check log book in the category of competence in the CNS/ATM domain. The Supervisor shall ensure that the ATSEP can demonstrate competence in fault diagnosis and restoration of the system(s) under his/her watch.

(15) **Renewal of Lapsed licence**

A holder of a lapsed license must show evidence of pass of 8 weeks abridged ATSEP License course which includes Air Law and Regulation at any ICAO recognise Engineering Training School, or any ATO; undergo a six weeks OJT training at a Field Operational facility under supervision; pass a medical examination and undergo both oral and written examination at each State before the lapsed license is renewed

(16) **Validation, Conversion of Foreign licenses**

Any foreign license shall be converted upon each **State** having inspected the license, requisite certificates and transcripts and having satisfied itself that they are genuine and are coming from a recognized ATO. Where doubts exist, the applicant may be asked to undergo some examinations again to satisfy whichever requirement may have been identified before the conversion is done

ACTION BY MEETING

The meeting is invited to:

1. Take note of the above report.
2. Agree on a single document for AFISNET

