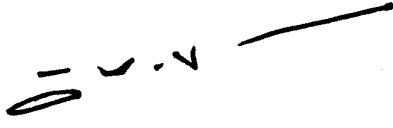


TESDA CIRCULAR

SUBJECT: The Curriculum for the GBF-TTC Aircraft Maintenance Technician Course under the PGMA Training for Work Scholarship Program (TWSP)		Page _of _pages No. <u>52</u> Series of 2006
Date Issued: 19 September 2006	Effectivity: Immediately	Supersedes:
<p>Pursuant to the PGMA Training for Work Scholarship Program targeting the massive training and employment of workers, the attached curriculum is hereby prescribed for the Aircraft Maintenance Technician Course to be implemented by the Gokongwei Brothers Foundation-Technical Training Center (GBF-TTC) for a total of one thousand two hundred (1200) hours including on-the-job-training. The program for this curriculum shall be registered in UTPRAS as No Training Regulations (NTR) and shall cover thirty (30) units of competency.</p> <p>Wide dissemination and strict implementation of this Circular to all concerned is hereby enjoined.</p> <p style="text-align: center;"> SECRETARY AUGUSTO BOBOY SYJUCO Director General</p>		

COMPETENCIES COVERED UNDER GBF-APPC MAINTENANCE TRAINING COURSE CURRICULUM

1. AVIONICS:

- 1.1 Replace miscellaneous aircraft electrical hardware/components
- 1.2 Replace aircraft electrical system components
- 1.3 Replace aircraft instrument system components
- 1.4 Replace basic radio communication and navigation system components.
- 1.5 Replace aircraft electronic system components
- 1.6 Replace pressurization control system components
- 1.7 Replace aircraft oxygen system components
- 1.8 Perform functional test on instrument landing systems and components
- 1.9 Perform functional test on fixed wing autopilot systems and components
- 1.10 Perform functional test on radar systems and components
- 1.11 Perform functional test on fixed wing aircraft automatic flight control systems and components
- 1.12 Perform functional test aircraft radio frequency navigation and communications systems and components
- 1.13 Perform functional test aircraft pulse systems and components
- 1.14 Perform functional test on inertial navigation and reference systems and components
- 1.15 Install aircraft electrical looms and harnesses
- 1.16 Perform avionic preventative maintenance

2. MECHANICAL AND POWERPLANT:

- 2.1 Perform aircraft flight servicing
- 2.2 Replace aircraft hydro-mechanical system components
- 2.3 Replace aircraft pneumatic system components
- 2.4 Replace non-pressurized aircraft structural and non-structural components
- 2.5 Replace aircraft fixed wing flight control system components
- 2.6 Replace engines and engine system components
- 2.7 Perform functional test on gas turbine engine systems and components
- 2.8 Replace pressurized aircraft structural and non-structural components
- 2.9 Maintain aircraft mechanical components or parts
- 2.10 Perform mechanical preventive maintenance

3. AIRFRAME:

- 3.1 Repair aircraft structures.
- 3.2 Repair aircraft non-primary structural sheet metal components
- 3.3 Replace aircraft non-primary structural non-metallic components
- 3.4 Maintain aircraft structure/components

CURRICULUM



PGMA TRAINING FOR WORK SCHOLARSHIP

AIRCRAFT MAINTENANCE TECHNICIAN



Technical Education and Skills Development Authority
East Service Road, South Superhighway, Taguig City

GBF - APPC MAINTENANCE TRAINING COURSE CURRICULUM

MODULE 1 - (2 MONTHS)

SUBJECTS	DURATION
LOGIC - Introductory Logic and Learning Skills Reinforcement	32 hours
ETHICS 101 - Work Ethics and Values 1	16 hours
HFM - Human Factors in Maintenance	16 hours
AE 101 - Theory of flight	32 hours
AMT 101 - Basic Aircraft Structures	32 hours
AT 101 - Air transportation Laws and Regulations	32 hours
ME 101 - Properties of Aircraft Materials and Hardware	32 hours
SAFETY 101 - General Practices and Regulations	16 hours

	Total = 208 hours

- Notes: 1. ETHICS 101 will be conducted as a 2-day seminar
2. On - the - Job training will be 192 hours (3 days/week)

MODULE 2 - (2 MONTHS)

SUBJECTS	DURATION
ETHICS 201 - Work Ethics and Values 2	16 hours
ME 201 - Mechanical / Electrical Drawing	32 hours
SAFETY 201 - Aircraft Marshalling and Ramp Safety	16 hours
EE 201 - Basic Avionics 1	32 hours
PP 201 - Basic Aircraft Powerplant 1 (ICE)	32 hours
HDR 201 - Basic Aircraft Hydraulics and Related Systems	32 hours
AS 201 - Auxiliary Systems 1 (Pneumatics/Pressurization/ Air-conditioning/Oxygen)	32 hours
ME 202 - Aircraft Maintenance Policies and Procedures Familiarization	32 hours

	Total = 224 hours

- Notes: 1. Basic Avionics 1 consists of:
a. Basic electricity
b. Basic electronics
2. ETHICS 201 will be conducted as a 2-Day seminar
3. SAFETY 201 will be conducted on the Ramp area as part of their practical training.
4. On - the - Job training will be 192 hours (3 days/week)

GBF - APPC MAINTENANCE TRAINING COURSE CURRICULUM

MODULE 3 - (2 MONTHS)

SUBJECTS	DURATION
EE 301 - Basic Avionics 2	16 hours
EE 302 – Basic Aircraft Instruments	16 hours
**EE 303 – Basic Avionics 3 (Aircraft Communication and Navigation)	48 hours
PP 301 - Basic Aircraft Powerplant 2 (Gas Turbine)	32 hours
AS 301 - Auxiliary Systems 2 (Fuel System/ Fire Protection /Ice and Rain Protection/Water and Waste)	32 hours
*ASM 301 - Basic Aircraft Structural Repair	48 hours
CS 301 – Customer Service	16 hours
*ME 301 - Mechanical Benchwork (Standard Practices)	32 hours
**EE 304 - Electrical Benchwork (Standard Practices)	32 hours

	Total = 192 hours (for A&P/ Avionics)

Note: * For A&P trainees only

**For Avionics Trainees only

Basic Avionics 2 consists of:

1. Aircraft Electrical power

- power generation, distribution and design and maintenance

On – the – job training will be 192 hours (3days/week)

AIRCRAFT MAINTENANCE TECHNICIAN COURSE FOR CEBU PACIFIC AIR

COURSE OUTLINE:

(Common to Airframe and Power plant Technicians and Aircraft Avionics Technicians)

A. BEHAVIORAL AND PERSONAL FORMATION

SUBJECTS

- Logic - Introductory Logic & Learning Skills Reinforcement
- Ethics 101 - Work Ethics and Values 1
- Ethics 201 - Work Ethics and Values 2
- ManEco - Engineering Management and Economics
- HFM - Human Factors in Maintenance

INSTRUCTOR/TRAINER

F. T. TORRES
F. T. TORRES
F. T. TORRES
F. T. TORRES
ON - CALL

B. FUNDAMENTALS

SUBJECTS

- AE 101 - Theory of Flight
- AT 101 - Air Transportation – Laws and Regulations
- Safety 101 - General Safety Practices and Regulations
- Safety 201 - Aircraft Marshalling and Ramp Safety
- ME 101 - Properties of aircraft materials and hardware
- ME 102 – Benchwork (for aircraft standard practices)
- ME 103 - Mechanical / Electrical Drawing
- HRD 201 - Basic Aircraft Hydraulics Control
- PNEU 201 - Basic Aircraft Pneumatics, Pressurization and Air-conditioning
- EE 201 - Basic Avionics
- PP 201 - Basic Aircraft Power Plant
- AMT 101 - Basic Aircraft Structure

INSTRUCTOR/TRAINER

K. DELA
K. DELA
G. SANTOS
M. SEMBRANO
Y. MENGUITA
T. CORDERO / R. DICHOSO
T. CORDERO / R. BAUTISTA
K. DELA / A. MASOCOL
K. DELA / A. MASOCOL

J. ONG
K. DELA
K. DELA

C. AIRCRAFT APPLIED SUBJECTS (for specific aircraft type)

COURSE OUTLINE:

I. AIRFRAME AND POWERPLANT TECHNICIAN

SUBJECTS	INSTRUCTOR/TRAINER
	M. SEMBRANO / K. DELA
• AMT 102 - Aircraft Familiarization	- do -
• AMT 103 - Aircraft Maintenance Policies and Procedures	- do -
• AMT 225 - Aircraft Furnishings and Equipment	- do -
• AMT 252 - Aircraft Structures	- do -
• AMT 324 - Electrical Power	- do -
• AMT 332 - Landing Gears, Wheels and Brakes System	- do -
• AMT 336 - Pneumatic System	- do -
• AMT 329 - Hydraulic System	- do -
• AMT 321 - Pressurization, Air-conditioning, Oxygen, and Ice / Rain Protection	- do -
• AMT 371 - Power Plant	- do -
• AMT 349 - Auxiliary Power Unit	- do -
• AMT 328 - Fuel system and Fire Protection	- do -
• AMT 327 - Flight Controls	- do -
• AMT 338 - Water and Waste	- do -

II. AIRCRAFT AVIONICS TECHNICIAN

SUBJECTS	INSTRUCTOR/TRAINER
	M. SEMBRANO / K. DELA
• AMT 102 - Aircraft Familiarization	- do -
• AMT 103 - Aircraft Maintenance Policies and Procedures	- do -
• AMT 225 - Aircraft Furnishings and Equipment	- do -
• AMT 252 - Aircraft Structures	- do -
• AVT 324 - Airframe-Related Electrical System	J. ONG
• AVT 371 - Power Plant-Related Electrical System	- do -
• AVT 323 - Communication-Related System	- do -
• AVT 334 - Navigation-Related Electrical System	- do -
• AVT 322 - Auto Flight-Related Electrical System	- do -