

PROFESSIONAL AVIATION MAINTENANCE TRAINING

# P&WC PT6A – Medium Series Line & Base Maintenance

## Including OLT General Familiarization – Level 1

### Course Information

#### Course Description – 5 Day Course

The PT6A Medium Series Initial Maintenance Course is designed to meet the needs of a Maintenance Technician in maintaining the PT6A Medium Series Engines. The course is a combination of theory and practical activities, including an online pre-course study review course.

#### Instructor Led Training Course Objectives:

Special emphasis is placed on safety, component location, system normal and abnormal operation and indication, routine service / maintenance requirements and basic troubleshooting of the engine systems.

#### Online Training (OLT) Pre-Course Review:

Covers a brief overview of the engine, engine systems and engine to aircraft interface, and includes five modules, along with engine layout and characteristics. It defines the general layout of the engine major systems and identifies maintenance items important to the engine. The course also covers relevant safety precautions.

FAA - FlightSafety Material Number .....	302922
EASA - FlightSafety Material Number .....	302923
CASA - FlightSafety Material Number .....	302931
TC - FlightSafety Material Number .....	302924
DGCA – FlightSafety Material Number.....	305835

#### Pre-Course Review Online Training Hours

#### General Familiarization – Level 1

##### Course Modules

- Introduction
- Course Navigation
- Engine / Aircraft Introduction
- Engine Characteristics
- Engine Systems
- Propeller Systems
- Publications
- Review and Exams

**Training Hours.....Approximately 4.00**

#### Instructor Led Course Modules Hours

Air System .....	0.25
Engine .....	4.00
Engine Control Interface.....	0.75
Engine Overview .....	1.00
Fuel System .....	4.00
Gearbox.....	1.50
Indicating System.....	1.25
Ignition System.....	0.25
Limits and Maintenance Checks.....	1.50
Oil System .....	2.00
Propellers .....	2.25
Standard Practices .....	0.50
Starting System .....	0.25
<b>Ground School Training Hours .....</b>	<b>19.50</b>

#### Academic Course Modules Hours

Practical Training.....	8.00
Welcome/Introduction.....	1.00
Review/Exam .....	1.50

**Total Hours..... 30.00**

**Applicable Models:** PT6A-41, 41AG, 42, 42A, 45A, 45B, 45R

#### Approvals and Limitations

##### FAA IA renewal Accepted

Accredited for IA refresher training under Title 14 CFR part 65, § 65.93(a)(4)

**EASA Approved B1/B2-T1/T2** (Theory & Practical)

**CASA Approved B1-T1** (Theory & Practical)

**DGCA Approved B1** (Theory & Practical)

**Transport Canada Approved**

Courses conducted at Paris and Brisbane are NOT DGCA Approved

#### Training Locations & Contact Information

Contact the Montreal Learning Center for the locations below:

Bengaluru (Bangalore), India

Botucatu, Brazil

Haikou, China

Lanseria, South Africa

Mudjimba, Australia

[flightsafety.com](http://flightsafety.com) • A Berkshire Hathaway company

Montreal, Canada • 800-573-4025 • 514-631-2084 • [montreal@flightsafety.com](mailto:montreal@flightsafety.com)

Paris, France • +33 1-49-92-1919 • [paris@flightsafety.com](mailto:paris@flightsafety.com)

Wichita, Kansas • 800-491-9796 • 316-361-3900 • [wichitamaintenance@flightsafety.com](mailto:wichitamaintenance@flightsafety.com)