

Executive Introduction to MRO

Course Synopsis

The course is designed to give participants an overview of MRO operation and the principle of maintenance to ensure effective use of the key asset of air transport – the aircraft. Participants will learn about aircraft maintenance philosophy, airworthiness control and how MRO facilities are organised.

The lecturer will share his experience in development of processes and systems used in MRO operation over each generation of commercial aircraft. The challenges of decision making in an environment of conflicting requirements of economics, safety and reliability will be discussed.

Who Should Attend

Specialists and managers in airlines, MRO companies, government agencies and aerospace related business

Course Fee: S\$1,250

Fee is exclusive of GST

Course Commencement is subjected to minimum number of participants

Course Outline

- Safety, Quality and Reliability
- Airworthiness Control
- Maintenance Philosophy (MSG2/3)
- Regulatory and Licensing
- Maintenance Programme
- MRO Cost Structure
- MRO Organisation

Course Date & Time

#1 28 – 29 Jun 2017 (Wed / Thu)

#2 14 – 15 Aug 2017 (Mon / Tue)

#3 18 – 19 Sept 2017 (Mon / Tue)

#4 19 – 20 Oct 2017 (Thu / Fri)

#5 16 – 17 Nov 2017 (Thu / Fri)

Day 1 – 0900 to 1200h (Lecture)

Day 2 – 0900 to 1200h (Lecture)

1200 to 1300h (Lunch provided)

1300 to 1500h (Industry Networking)

1500 (Course Ends)

Bulk 10% discount for min 2pax per company

Bulk 20% discount for 3 or more pax per company

Participants have the flexibility to exchange schedule

Course Facilitator

Prof Lim Yeow Khee *BBM*

*Hon F.SIAE, FRAeS, A/Prof (Adj) NTU
Adult Education Fellow, SkillsFuture SG*

BSc (Hon) in Electrical & Electronic Engineering, University of Leeds (UK), 1977
Diploma in Electrical Engineering, Singapore Polytechnic, 1973
Aircraft Maintenance Licence Cat B2, CAAS

Relevant Occupations

Managing Director, LYK Aerospace (S) Pte Ltd
Associate Professor (Adjunct) Nanyang Technological University
Academic Chair (Honorary) Air Transport Training College
Chairman, Aero WSQ Technical Committee

Professional Experience

Started aviation career as Apprentice Aircraft Maintenance Engineer with Malaysia-Singapore Airlines in 1968 and continued with the airline, which became Singapore Airlines (SIA) in 1972 until retirement in December 2006.

Worked in technical and management positions in Singapore Airlines and SIA Engineering Company covering Base Maintenance, Technical Services, Workshops, Technical Projects, Inflight Entertainment, Line Maintenance, Quality & Safety, Productivity & Engineering Training. Adjunct lecturer with RMIT University, Australia (2006 – 11), Snr Consultant with BNP Associates Asia Pte Ltd (2011).

Responsible for development of SIA's airborne satellite telephone system and its early Inflight Entertainment systems. Actively involved in the introduction of ATE (Automatic Test Equipment) in SIA Avionics Workshop in 1981 through 1994.

Subject Specialisation

Air Transport Engineering, MRO operation and processes, Avionics Systems, Human Factors, Safety Management Systems, Quality and Reliability Engineering.

Research Interests and Publications

Human Factors in Aircraft Maintenance and Training methodology.



The information contained in this brochure is correct as of 14 July 2017 and is subject to change without notice. ATTC reserves the right to make changes to the course structure, admission requirements, course fee, examination rules and regulations, lecturers, dates and venue of lectures.



Professional Development Centre of the Singapore Institute of Aerospace Engineers

ERF Registration Number: 199901790H

From 6 August 2014 to 5 August 2018

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Air Transport Training College

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COURSE ENROLMENT FORM

PART I – Course Title

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PART II – Personal Particulars

Full Name as in NRIC or Passport (Please Underline Surname): * Mr / Mrs / Mdm / Miss		*NRIC / Passport No:		Attach Photograph Here
(This name will be used to produce your certificate)				
Address:		Date of Birth: (DD/MM/YYYY)		
Postal Code:		Sex:	*Male/Female	
Nationality:		Permanent Resident (For Non-Singaporean): tick (✓)		Yes <input type="checkbox"/> No <input type="checkbox"/>
Telephone:	Home:	Mobile:	Office:	Email:

* Please delete as appropriate

PART III – Other Information

Is this course application sponsored by your company? tick (✓)		Yes <input type="checkbox"/>	No <input type="checkbox"/>	Did you previously attend any course in ATTC? tick (✓)		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Highest Qualification:				If YES, please specify the last ATTC Course attended:			
Employment status: tick (✓)	Employed <input type="checkbox"/>	Not-employed <input type="checkbox"/>	Graduate <input type="checkbox"/>	Self-employed <input type="checkbox"/>	Others <input type="checkbox"/>	If Others, Please Specify:	
Current (or last) employer:				Designation (if applicable):			
If not employed or fresh graduate, indicate last date of employment or graduation date: (DD/MM/YYYY)			Brief description of job:				

PART IV – Declaration

I, (Name as in NRIC/Passport) _____, have read and understood the conditions below and agree that while I am a student enrolled at ATTC

- 1) Information supplied by me is accurate and complete
- 2) If my circumstances change, I will immediately make, or seek the appropriate office to make any necessary changes to my personal and enrolment details.
- 3) I will comply with and be bound by:-
 - a) The rules and policies of ATTC
 - b) The conditions of the use of any ATTC equipment, material or facility and will pay the cost of any repair or replacement due to damage or loss occurring during my possession, control or use due to my negligence.
- 4) I consent to the disclosure of information, including personal information about me to third persons if the disclosure is made for ATTC reasons associated with my enrolment at (including and without limitation for the purpose of), government requirements or for legitimate ATTC business purposes.
- 5) I acknowledge that ATTC is required to release personal information where required or permitted by law for the purposes of mandatory reporting requirements to external agencies including the CAAS, MOE, MOM, WDA or any other government agencies.
- 6) I understand that I will continue to be enrolled in the relevant time-based subject until one of the following event occurs:
 - I complete the course and submit the assignment and/or pass the examinations
 - I formally notify ATTC of my withdrawal from the course
 - My enrolment in the course is discontinued by the ATTC in accordance with Rules of ATTC
 - The maximum time to complete the course expires
- 7) I will pay the appropriate course fee in full and on time
- 8) I understand that students with attendance below 75% (85% for CAAS approved courses) will be barred from taking the qualifying examinations for the course.

_____ Date

_____ Signature of Applicant