

# 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 Outline

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

## Course Date & Time

**28 – 29 June 2017 (Wed / Thu)**

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)

**Course Commencement is subjected to minimum number of participants**

**Course Fee: S\$1,250**

**Fee is exclusive of GST**

## 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 **7 June 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

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