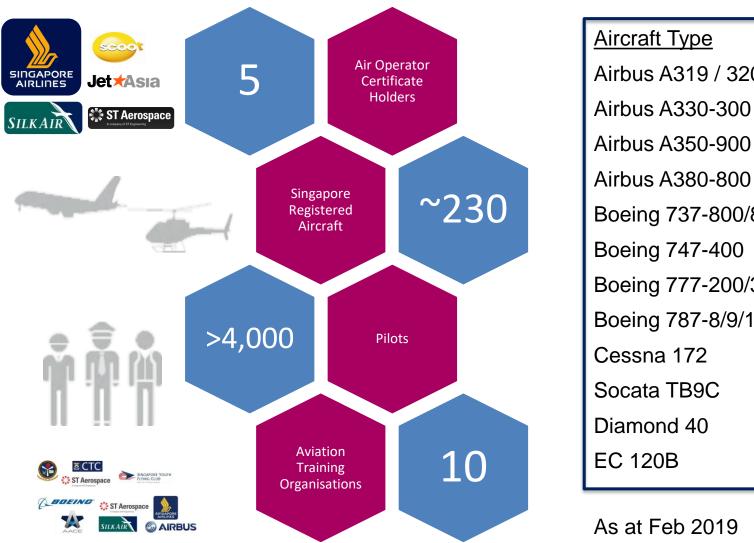


# **Singapore Aviation Landscape:** Singapore air operators operate with a mix of long and short-haul aircraft



Airbus A319 / 320

Boeing 737-800/8

Boeing 777-200/300

Boeing 787-8/9/10



# **List of CAAS Approved Aviation Training Organisations**

- In Singapore's context, an ATO is further classified into:
  - > Flying Training Organisation (FTO) For ab-initio training
  - > Type Rating Training Organisation (TRTO) For type rating training

Flying Training Organisation	Type Rating Training Organisation
1. Singapore Flying College	1. Singapore Airlines
2. ST Aerospace Academy	2. SilkAir
3. L3 Commercial Training	3. Jetstar Asia
Solutions	4. Airbus Asia Training Centre
	5. Boeing Singapore, Training &
	Flight Services
	6. ST Aerospace Academy
	7. Aviation Safety and Training



# **Applicable Technical Requirements - Singapore Air Safety Publications**

- Developed based on ICAO Annex 1 and Doc 9841.
- Issued pursuant to Para 20(14) of the Air Navigation Order (ANO).
- SASP 10: Approval of an Aviation Training Organisation
- <u>SASP 2</u>: Licensing requirements for Professional Pilots (CPL, MPL, ATPL)
- SASP 11: Flight Simulation Training Devices (Aeroplane)



# **5-Phase Approval Process**

- 5 Phases
  - 1. Pre-application Meeting
  - 2. Formal Application
  - 3. Document Compliance
  - 4. Demonstration and Inspection
  - 5. Approval
- Typical duration for approval process: ~ 8 weeks
  - (On-site Demonstration and Inspection typically 1 week)



## **Phase 1: Pre-application Meeting**

- Understand business intent
- Understand training operations
- Review of applicable regulations
- Review of approval process
- Review of what is required on the application and what is to be submitted with the application
- Assess applicant's readiness for the application



### **Phase 2: Formal Application**

- Letter of application ATO application form
- Letter of intent
- Letter of undertaking
  - for the reimbursement of the costs of the inspectors' service charges, per diems, air tickets, transportation, incidentals, etc.
- Resumes of Key appointment Holders
  - e.g. Accountable Manager, Quality Manager, Head of Training
- List of Instructors & Qualifications
- Submission of required manuals
  - Operations Manual, Training Manual, Quality Manual etc.
- Sub-contracting/leasing agreements
- Company's registration
- Schedule of events / Gantt Chart



## **Phase 3: Document Compliance**

- The applicant's manuals and other documents are reviewed and assessed
- Inspector will communicate with the ATO on the documentation issues



#### **Phase 4: Demonstration and Inspection**

- The following areas are assessed for each ATO approval application:
  - Organisation structure
  - Key appointment holders & instructors
  - Manuals (Operations Manual, Training Manual etc.)
  - Training Facilities and equipment (aircraft type, FSTD)
  - Aerodromes, training areas, navigation routes
  - Record keeping
  - Flight Rostering & Planning
  - Maintenance facilities (where applicable)
  - Quality assurance system (System for evaluating and enforcing the standard of training, instructional staff and training equipment)
  - Safety management system (only applies to organisations that are exposed to safety risks related to aircraft operations during the provision of their services.)



### **Phase 4: Demonstration and Inspection**

- The audit of the training facilities is carried out by 2 officers (FOI & PEL Inspector) x 4-5 days
- Audit based on SASP 10 requirements & applicant's manuals
- Deficiencies found during the audit will be recorded and briefed at the end of the audit



### **Phase 5: Approval**

- Audit deficiencies corrected and accepted
- CAAS internal process consolidation of final documents and recommendation for approval.
- Certificate of Approval authorising the ATO to conduct the training issued upon successful evaluation, valid up to 12 months
- Certificate of Approval contains
  - Name of Organisation
  - Location
  - Training course(s)
  - Terms of approval
  - Date of issue and period of validity



### **Fees and Charges**

- ATO fee S\$4,500
- Audit service charge S\$1,400/ day for FOI, S\$700/ day for PEL Inspector, per officer.
- Applicant to also reimburse inspectors' per diems, air tickets, transportation, incidentals, etc.



#### **ATO Renewal Process**

# Safety Oversight Plan:

- Scheduled Audit
  - Once every year in conjunction with renewal of approval
  - Finding classification Level 1 (Major), Level 2 (Minor),
     Observation
- Additional Audit(s)
  - Conducted on organisations that are identified with higher risks:
    - High volume activities
    - Change of key appointment holders
    - Shown lapse in critical areas of the regulations/ requirements
  - Not limited to 1 unscheduled audit per organisation
  - Apply to local and overseas organisations



#### **ATO Renewal Process**

- Audit of ATO
  - Compliance with regulations and company documents
  - Observation of training flights/ lessons
- Follow up action closure of findings in the audit
- FSTD Evaluation
- Flight tests for Singapore licence holders (if applicable)



# Thank you

