



SURINAME  
Civil Aviation Safety Authority

# CASAS Advisory Pamphlet

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**Subject: CERTIFICATION OF AN APPROVED MAINTENANCE ORGANISATION/  
ESTABLISHMENT OF A MAINTENANCE TRAINING CURRICULUM**

**CASAS CAP-008**

**Date: 30-11-01**

**AMO CERTIFICATION**



CASAS  
Civil Aviation Safety Authority Suriname

# CASAS Advisory Pamphlet

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Subject: AVIATION MAINTENANCE TRAINING  
CASAS CAP 008  
Date: 30-11-01

1. **PURPOSE.** This CASAS ADVISORY PAMPHLET provides guidance for an Aviation Maintenance Organization to establish a curriculum for maintenance training for its Certifying Staff and the personnel who perform maintenance on aircraft for which the AMO is rated. This CASAS ADVISORY PAMPHLET is not mandatory and is not a regulation. It outlines one method of compliance with the Civil Aviation Regulations of Suriname CARS Part 6. Instead of following this method, the applicant may elect to follow an alternate method, provided the method is acceptable to the Civil Aviation Safety Authority Suriname for compliance with Part 6.4.1.1 (g) of the CARS.
2. A maintenance organization must establish an initial and recurrent training for its maintenance personnel and certifying staff. Maintenance personnel and certifying staff shall meet the qualification requirements and receive initial and continuation training to their assigned tasks and responsibilities. The training program established by the AMO, shall include training knowledge and skills related to human performance.
3. The AMO shall establish the curriculum and standards for training, as well as pre-qualification standards for the personnel that will attend the training. The pre-qualifications standards are intended to ensure that the trainee has a reasonable chance of successfully completing any of the courses required by the AMO.
4. **RELATED SECTIONS OF CARS.** CARS PART 6 Section 6.4.1.1 (g) requires that all Aviation Maintenance Organizations have a training program for all of its maintenance personnel and certifying staff.
5. **Maintenance Training Course Outline.** This training curriculum meets the requirements of the Civil Aviation Regulations of Suriname Part 6.4.1.1 (g). Instead of following this method, the applicant may elect to follow an alternate method, provided the method is acceptable to CASAS. The following training curriculum is a sample curriculum that meets the Civil Aviation Regulations of Suriname.

## **MAINTENANCE TRAINING COURSE OUTLINES.**

### **A. GENERAL**

#### **1. Indoctrination of New Maintenance Personnel**

- a. Company History and Structure**
  - i. Type of operation
  - ii. Ratings of AMO
  - iii. Looking to the future
- b. Company Policies, Procedures and Benefits**
  - i. Policy and Procedure Manual
  - ii. Insurance
  - iii. Vacation and Sick Leave Policies
  - iv. Travel Privileges
- c. Civil Aviation Regulations of Suriname**
- d. Maintenance Organisation**
- e. Maintenance Policy**
- f. Safety**
- g. Security**
- h. Hazardous Materials Orientation**
- i. Drug Awareness**

#### **2. Initial Formal Training**

- a. The Maintenance Procedures Manual**
- b. Technical Manuals**
- c. Use of various maintenance, parts, wiring, and accessory manuals, use of service bulletins, and associated service information, in printed, microfiche.**
- d. Use of a Computer for maintenance programs, and a manual system.**

- 3. Inspection indoctrination**
  - a. Blueprints
  - b. MEL/CDL, manuals
  - c. Maintenance specifications
  - d. Types of inspections

**B. Make/Model Aircraft Training Suggested Curriculum**

<b>1. General</b>	<b>5.0 Hours</b>	<b>10.0 Hours</b>
a. Aircraft Familiarisation		
b. Cockpit Identification		
c. Aircraft Walk around		
d. Servicing		
2. Air conditioning and Pressurisation	1.5 Hours	3.0 Hours
3. Electrical Power	4.0 Hours	8.0 Hours
4. Fire Detection and Protection	1.0 Hours	3.0 Hours
5. Flight Controls	3.5 Hours	8.0 Hours
6. Fuel System	1.0 Hours	3.0 Hours
7. Hydraulic System	3.0 Hours	8.0 Hours
8. Ice and Rain Protection	1.0 Hours	3.0 Hours
9. Landing Gear and Brakes	2.0 Hours	4.0 Hours
10. Lighting	1.0 Hours	2.0 Hours
11. Oxygen	.5 Hours	2.0 Hours
12. Pneumatic	4.0 Hours	8.0 Hours
13. Water/Waste	.5 Hours	1.0 Hours
14. Airborne Auxiliary Power	1.5 Hours	3.0 Hours

15. Structures Hours	1.0 Hours	4.0
16. PowerPlant Hours	4.0 Hours	8.0
<b>Review</b> (Q and A Period 0.5/10 Hr per day)	5.0 Hours	1.0 Hours
<b>Final Test</b> Hours	.5 Hours	1.0
<b>Total Hours</b> <b>Hours</b>	<b>40.0 Hours</b>	<b>80.0</b>

### C. Avionics Training Suggested Curriculum

1. Auto Pilot	2.0 Hours
2. Communications	2.0 Hours
3. Navigation	2.0 Hours
4. Instruments	2.0 Hours
<b>Total</b>	<b>8.0 Hours</b>

### D. Make/Model Aircraft Avionics Training Suggested 40 Hour Curriculum

1. Introduction	3.0 Hours
2. Electrical Power	6.0 Hours
3. Flight Controls	6.0 Hours
4. Communication	4.0 Hours
5. Fire	4.0 Hours
6. Fuel	3.0 Hours
7. Anti Skid	4.0 Hours
8. Auto Brake	2.0 Hours
9. Field trips to aircraft	7.0 Hours
10. Examination	1.0 Hours
<b>Total Hours</b>	<b>40.0 Hours</b>

## **E. Make/Model Aircraft Avionics Training Suggested 40 Hour Curriculum**

1. Lighting	3.0 Hours
2. Navigation Introduction	2.0 Hours
3. DADC	1.0 Hours
4. Compass System	2.0 Hours
5. Heading and Attitude System/ADI	3.0 Hours
6. ILS / Marker Beacon	1.0 Hours
7. Radar Radio Alt./GPWS	3.0 Hours
8. ATC/DME	1.0 Hours
9. TCAS	2.0 Hours
10. ADF/VOR	2.0 Hours
11. OMEGA	4.0 Hours
12. Auto Throttle	1.0 Hours
13. AFCS	8.0 Hours
14. Field Trip To Aircraft	5.0 Hours
15. Review and Examination	2.0 Hours
<b>Total Hours</b>	<b>40.0 Hours</b>

## **F. Aircraft Towing Procedures**

1. Maintenance Practices	0.5 Hours
2. General Precautions	0.75 Hours
3. Personnel – Duties and Responsibilities	0.75 Hours
4. Pre – Tow Safety Meeting	0.50 Hours
5. Structural provisions for Towing	0.25 Hours
6. Nose Gear Shock Strut Precautions	0.25 Hours
7. Towing Aircraft in a Turn	0.25 Hours

8. Towing Aircraft with Engines Removed	0.25 Hours
9. Ground Turning Techniques	0.25 Hours
10. Towing Aircraft with Flat Tires	0.25 Hours
<b>Total Hours</b>	<b>4.0 Hours</b>

**G. Taxi and Run – Up**  
**(Classroom)**

1. Responsibilities/Qualifications	0.50 Hours
2. General Taxi Rules	0.50 Hours
3. Automated Guide – in System	0.25 Hours
4. Hand Signals	0.25 Hours
5. Radio Operation/Communications	0.50 Hours
6. Aircraft Systems/Normal/Abnormal	2.0 Hours
7. Emergency Procedures	1.0 Hours
<b>Classroom Hours</b>	<b>5.0 Hours</b>

**(On – Aircraft)**

8. Engines Pre-start and Start (Checklist)	1.0 Hours
9. Run – Up / Taxi	2.0 Hours
<b>On – Aircraft Hours</b>	<b>3.0 Hours</b>

**Total Hours (Classroom And On – Aircraft) 8.0 Hours**

**H. Aircraft Fueling**

1 General Precautions / Aircraft Fuel Service	0.5 Hours
2. Refueling With Passengers on Board	0.5 Hours
3. Spill Protection / Reporting	0.5 Hours
4. Refueling With Engines Operating	0.5 Hours
5. Refueling During Inclement Weather	0.5 Hours
6. Sump, Fuel Tank – Sampling	0.5 Hours

7. Alternate Fueling – Known Quantity / Dripsticks	0.5 Hours
8. Aircraft Fuel Service Record	0.5 Hours
<b>Total Hours</b>	<b>4.0 Hours</b>

**I. Aircraft Servicing**

1. General	0.25 Hours
2. Hydraulic Servicing	0.75 Hours
3. Engine Oil Servicing	0.75 Hours
4. APU Oil Servicing	0.75 Hours
5. CSD Servicing	0.75 Hours
6. Potable Water	0.25 Hours
7. Lavatories	0.50 Hours
<b>Total Hours</b>	<b>4.0 Hours</b>