

TEST PROJECT AIRCRAFT MAINTENANCE

WSC2017_TP14_M4_Daily_Inspection_actual

Submitted by: Industry
Member Country/Region: CA





COMPETITOR'S WORKING DOCUMENT

NAME	(First)	(Last)
COUNTRY		
START TIME		

OBJECTIVE

To test the Competitors ability to carry out aircraft inspections in accordance with manufacturer's recommendations and company procedures.

TIME ALLOTTED

Two hours

PROCESS

PART 1

Carry out an **Independent Control Check** in accordance with company procedures. Details of the affected system will be provided in the form of a verbal briefing by your supervisor. **Maintenance Log** (Page 4).

PART 2

Carry out an Aircraft Daily/Pre-Flight Inspection in accordance with the aircraft flight manual. Record findings on the Aircraft Defect Report (Page 5). Only defects affecting airworthiness will be considered. Findings found as a result of the Independent Control Check will not be considered.

Submit Aircraft Defect Report (Page 5) and Maintenance Log Entry (Page 4).

NOTES

- Do not correct any defects or findings during the inspections
- The "**Judge**" and "**Supervisor**" is the same individual with respects to this module.
- The backside of the Contestant Document can be used for notes and is not subject to evaluation.

REFERENCE DOCUMENTS

- WorldSkills AW139 Daily Inspection Checklist
- Aircraft Flight Manual
- Aircraft Maintenance Manual
- Aircraft Type Certificate Data Sheet
- WS Aviation Maintenance Policy Manual (*Excerpt Only*)
 - Independent Control Check Authorization Record
 - (Note: Excerpt included with Competitor Document)



EVALUATION SCHEME

SECTION 4 – Aircraft Inspection	Relative Importance (%)
PART 1 – Independent Control Check	2.00
PART 2 – Aircraft Daily/Pre-Flight Inspection	6.50
Airmanship – PPE Selection & Usage, Aircraft Handling, Tool Selection & Usage, Tool Control, Work Flow, Discipline, Cleanliness and Organization	1.50
Total	10.00

PREAMBLE

You are an aircraft maintenance employee of WS Aviation who does not hold a company Aircraft Certification Authority (ACA). You arrive at work in the morning ready to begin your shift. Your supervisor informs you that the night shift has carried out a series of tasks. Your job is to carry out an Independent Control Check and a Daily/Pre-Flight Inspection before the aircraft departs later today. It will be your decision whether or not the aircraft is in a condition to be dispatched.



Obtain a briefing from your supervisor as to the tasks carried out by the night shift and the system requiring an Independent Control Check.

All verbal briefing will be available from you supervisor at any point and can be repeated upon request without penalty.

Briefing Notes (no evaluation)



PART 1 - INDEPENDENT CONTROL CHECK

AIRCRAFT MAINTENANCE LOG			
WS AVIATION AMO 2017-14			
Registration		Date	
Airtime		Landings	
Description of Work		Corrective Action	
		_____ Signature and ACA Number	
		The described maintenance has been performed in accordance with the applicable airworthiness requirements AMO 2017-14	



PART 2 – AIRCRAFT DAILY/PRE-FLIGHT INSPECTION

The maintenance described herein has been performed in accordance with the applicable airworthiness requirements and any defects recorded in the defect log below.

Signature:	Print Name:	ACA Number:	Date:
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(Note: This is a generic form. Total number of defects may vary.)

AIRCRAFT DEFECT REPORT			
WS AVIATION AMO 2017-14			
Registration		Date	
Airtime		Landings	
Name		ACA Number	
DEFECT DESCRIPTION (include Flight Manual or Maintenance Manual reference for clarity) Number			ACA
1			
2			
3			
4			
5			
6			
7			
8			
9			



10		
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The number of actual defects does not necessarily match the number allotted in the list above.

Signature:	Print Name:	ACA Number:	Date:



WS AVIATION MAINTENANCE POLICY MANUAL (*EXCERPT ONLY*)

AIRCRAFT MAINTENANCE ORGANIZATION

WS Aviation

AMO Certificate 2017-14

CHAPTER 1 – DEFINITIONS

Airworthy – In respect of an aeronautical product, means in a fit and safe state for flight and in conformity with its type design

Defect - Any imperfection, fault, flaw or blemish that affects the airworthiness of an aircraft or part.

Independent Control Check (ICC) - Work that disturbs engine or flight controls requires that the system be inspected for correct assembly and correct locking of any parts disturbed by the maintenance performed, including an operational check for proper sense and range of motion of the affected engine or flight controls.

Aircraft Certification Authority (ACA) - Authority to certify an aircraft type on behalf of the organization.

Independent Control Check Authority (ICCA) - Authority to certify an Independent Control Check for an aircraft type on behalf of the organization.

CHAPTER 5 – MAINTENANCE SYSTEMS

5.9 INDEPENDENT CONTROL CHECK (ICC)

WS Aviation requires that an Independent Control Check (ICC) be carried out for any work disturbing flight controls and engine controls. Aircraft Certification Authority (ACA) holders are granted the authority to certify ICC's. Pilots or other non-ACA holders may be granted the authority to certify ICC's provided they are listed in the company ICC Authorization Record and have been granted an Authority Number.

If a non-ACA Holder is certifying an ICC, the following changes shall be made to the signature box.

_____ Signature & ACA Number
Independent Control Check The described maintenance has been performed in accordance with the applicable standards of airworthiness AMO 2017-14

Example wording for an Independent Control Check certification

Description of Work	Corrective Action
Independent Control Check required for Fore/Aft Servo replacement	Independent Control Check for Fore/Aft Servo replacement carried out satisfactory.



Independent Control Check Authorization Record
WS AVIATION AMO 2017-14

Name of Employee	Aircraft Type(s)	ACA Number
Khalid Alabdulkarim	AW139	WSA-001
Chun-Chuan Chen	AW139	WSA-002
Rafael De Borba	AW139	WSA-003
Roman Donchevskii	AW139	WSA-004
Colum Farrelly	AW139	WSA-005
Christophe Guichemerre	AW139	WSA-006
Yeonseong Jeong	AW139	WSA-007
Matias Korri	AW139	WSA-008
Wei Ting Low	AW139	WSA-009
Joseph Massey	AW139	WSA-010
Euphrasia Mulenga	AW139	WSA-011
Yaser Rahmani	AW139	WSA-012



Name of Employee	Aircraft Type(s)	ACA Number
Alexandre Sidorchuck	AW139	WSA-013
Caroline Södörqvist	AW139	WSA-014
Jarrood Wood	AW139	WSA-015
Fangyi Zou	AW139	WSA-016