

Test Project

Aircraft Maintenance

Module A - Aircraft Initial Acceptance Inspection

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Evaluation Scheme

SECTION 4 – Aircraft Initial Acceptance Inspection	Relative Importance (%)
A1 – Independent Control Check	05
A2 – Aircraft Initial Acceptance Inspection	10
A3 – Airmanship	05
Total	20

Competitor's Working Document

NAME	(FIRST)	(LAST)
COUNTRY		
START TIME		

Objective

To test the Competitors ability to carry out an aircraft initial acceptance inspection 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). This information is to be transcribed on to a Task Card and attached to the provided Journey Logbook.

PART 2

Carry out an Aircraft Acceptance Inspection in accordance with the aircraft maintenance manual. Record findings on the Aircraft Defect Report (Page 5). The findings are to be transcribed on to a Task Card and attached to the provided Journey Logbook. 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) using the supplied Task Card(s)

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. Only the Tasks Cards will be evaluated.

REFERENCE DOCUMENT

- WorldSkills Gazelle Mk 1 Helicopter Inspection Checklist
- Aircraft Flight Manual (Extracts)
- Aircraft Maintenance Manual
- WS Aviation Maintenance Policy Manual (*Excerpt Only*)
 - Independent Control Check Authorization Record
 - (Note: Excerpt included with Competitor Document)

Preamble

You are an aircraft maintenance employee of WS Aviation who holds 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 an Aircraft Initial Acceptance Inspection before the aircraft leaves the overhaul hangar. It will be your decision whether or not the aircraft is in a condition to be returned to the pilot.



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 your supervisor at any point and can be repeated upon request without penalty.

A1 - Independent Control Check

<u>NOTES ONLY for TRANSCRIBING to TASK CARD(s)</u>		
DEFECT DESCRIPTION (include Flight Manual or Maintenance Manual reference for clarity) Initial		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

A2 – Aircraft Initial acceptance Inspection

(Note: This is a generic form. Total number of defects may vary.)

<u>NOTES ONLY for TRANSCRIBING to TASK CARD(s)</u>		
DEFECT DESCRIPTION (include Flight Manual or Maintenance Manual reference for clarity)		Initial
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

WS Aviation

Maintenance Policy Manual (Excerpt Only)

Aircraft Maintenance Organization

WS Aviation

AMO Certificate 2019-14

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.

Independent Control Check Authorization Record

WS AVIATION AMO XX-XX

Name of Employee	Aircraft Type(s)	ACA Number
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	
	Gazelle	

	Gazelle	
	Gazelle	

Name of Employee	Aircraft Type(s)	ACA Number
	Gazelle	
	Gazelle	
	Gazelle	