Test Project

Module A – Aircraft and System Inspection Line Maintenance

Aircraft Maintenance

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Contents

Marking Scheme **3**
Instructions to Competitors **3**
Hand-over to next shift instructions 3
Important 3
Introduction to Test Project module A **4**

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Marking Scheme

MODULE A – AIRCRAFT AND SYSTEM INSPECTION LINE MAINTENANCE	MARKS
A1 - Preparation	**20**
A2 – Perform 100-hour airframe progressive inspection	
A3 – Verifications of Inspection by Experts	
A4 – Close up and documentation	

Instructions to Competitors

You report for Line Maintenance work, and your supervisor has assigned you an aircraft to perform the 100-hour airframe progressive inspection for events 1, 2, 3 and 4.

You are to review logbook and ensure that all applicable Scheduled and Special Inspections, if any, are accomplished and documented in the respective Task Cards.

Hand-over to next shift instructions

You are to prepare a written **hand over** of the aircraft, in the Task Card(s), to the next shift Authorised Personnel to complete the 100-hour airframe progressive inspection for the following:

- "**Ground Run**", in steps 1 to 4, as required in Events 1, 2, 3 and 4.
- Event 2 "**POWERPLANT**":
  - **Item 13**: Verify operation of engine N1 control.
  - **Item 14**. Verify operation of engine N2 control.
- Event 4 "Electrical", line 3 "Verify operation of the pitot tube heating system".
- All necessary rectifications, if any.
- Release aircraft for service.

Important

- **Do not remove or dismantle any parts of the helicopter without checking with Experts.**
  - Example: **Do not** "Remove main rotor blade leading edge erosion protection tape". (Zone 1 "Main Rotor System" step 3)
  - Opening of panels and fairings for inspection is required as per manual.
- Ensure that all tasks performed are certified in the Task Cards and that all outstanding tasks are recorded in the Task Cards as handover for the next shift Authorised Personnel.
- Maintenance steps and ladders must not come in contact with the aircraft.

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Introduction to Test Project module A

INTRODUCTION TO TEST PROJECT MODULE A		
NAME	**(FIRST)**	**(LAST)**
COUNTRY		**Date:** dd/mmm/yyyy
START TIME		**END TIME**

Introduction

To assess the Competitors' ability to carry out an aircraft inspection in accordance with aircraft maintenance manual instructions and airworthiness worthiness requirements.

Time allotted	2.5 hours

Description of tasks

1	Perform 100-hours Airframe Progressive Inspection for events 1, 2, 3 and 4 as per Aircraft Maintenance Manual and "Instructions to Competitors".
2	Record defects found in **TASK CARD 1** Note: Record defects that affect airworthiness. Minor corrosion and aesthetic degradation (e.g. paintwork) need not be recorded.
3	Review logbook and ensure all applicable Scheduled and Special Inspections are accomplished.
4	Restore aircraft to original configuration
5	Submit Task Cards to Experts upon completion of Inspection and Documentation.
6	Verification of Competitor's Inspection by the Experts.

Reference

Bell 206 Maintenance Manual

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TASK CARD 1	From Technical Log	Technical log #	Page
100-hour airframe progressive inspection as per AMM	Aircraft Regn		Reported by
	Date	dd/mmm/yyyy	

S/N	MAINTENANCE REQUIRED/DEFECT DESCRIPTION	RESOLUTION	RESOLVED BY/DATE
Certifies that the work specified except as otherwise specified was carried out in accordance with the requirement of the Air Navigation Act and in respect to that work the aircraft/engine/aircraft component is considered ready for release to service.		(signature) Certified by (Signature) Date: dd/mmm/yyyy	

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TASK CARD 1	From Technical Log	Technical log #	Page
100-hour airframe progressive inspection as per AMM	**Aircraft Regn**		**Reported by**
	Date	dd/mmm/yyyy	

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100-hour airframe progressive inspection as per AMM	Aircraft Regn		Reported by
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worldskills	**AIRCRAFT TECHNICAL LOG**		**REGISTRATION #**	**CAPTAIN**	Samson	**PAGE SEQUENCE**	
			(Expert to fill)	**SIGNATURE**	Samson	123456	
FLIGHT DETAILS	**LEG**	**DATE**	**TIME UP (UTC)**	**TIME DOWN (UTC)**	**AIRTIME**	**FROM**	**TO**
	1	24.09.2026	13:00	14:00	01:00	STN 1	STN 2
	2	24.09.2026	15:30	16:45	01:15	STN 2	STN 3
TIME	**TOTAL TIME B/F FLIGHT**		1000	**TOTAL AIRTIME**	02:15	**TOTAL TIME**	1002.15
DEFECT/MAINT	Nil defect					**REPORTED BY**	Samson
	WORK ORDER SUMMARY #	If applicable				DATE:	**24.09.2026**
RESOLUTION						**RESOLVED BY**	(Signature)
						DATE:	dd/mmm/yyyy
	P/N		**DEFERRAL #**	☐ Function Check	Independent Check accomplished before Maintenance Release by	Certifies that the work specified except as otherwise specified was carried out in accordance with the requirement of the Air Navigation Act and in respect to that work the aircraft/engine/aircraft component is considered ready for release to service	
	S/N ON		**MEL**	☐ Leak Check			
	S/N OFF		**CAT** A/B/C/D/P	☐ Independent Check	Signature Date	(Signature) Date	
	BATCH #			☐ Others			

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