



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :	No.	WO/065-SNX/IV/2023
Tailboom Removal / Installation	Date	11-Apr-2023
	A/C Reg.	PK-SNX EC130T2-8829
Reference :	Prepared By	TS
MP EC 130 T2 Rev. 2	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Tailboom Removal / Installation and added task.
2. Make an entry in Maintenance Log.
3. Return the Completed Work Order and Form to PPC.

#If any finding, please close the routine card, and transferred to inspection card.

Additional Work :

Compliance Statement	Sign & Date Company Lic. No.: (Engineer In Charge)	Signature (Technical Manager)
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AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
11 APRIL 2023	WO/065-SNX/IV/2023	Removal / Installation Tail Boom	
A/C Type		Mfg. Serial Number	A/C Registration
EC130T2		8829	PK-SNX
AIRCRAFT DATA			
Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	53467	
	#2	-	
Propeller/Rotor	#1	-	
	#2	-	
Landing Gear	NLG	-	
	LH MLG	-	
	RH MLG	-	

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	-	
2	Inspection Card	-	
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	1	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	1	

INSPECTION CARD (IC) LIST (Finding during maintenance)

No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
<u>IC-001</u>					
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :
Technical Support



Dwi M.

Checked by :
Chief Maintenance



Dodit

Verified by :
Chief Inspector



Yanuar

Approved by :
Technical Manager



Istiono



SUMMARY INSPECTION ITEMS
(Form: SCA/MTC/050)

WO Ref: WO/065-PK-SNX/IV/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	EO-003	TAILBOOM REMOVAL / INSTALLATION				



INSPECTION CARD
(Form: SCA/MTC/ 048)

TECHNICAL
DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
	WO/065-SNX/IV/2023			
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
9. ZONE	10. STA	11. MTC TYPE		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
Performed at A/C TT : A/C TC /LDG :			
20. CORROSION INFORMATION			
LOCATION	CAUSE OF DAMAGE		
	<input type="checkbox"/> Environment		
	<input type="checkbox"/> Internal Leakage		
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill		
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill		
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Blocked Drain		
<input type="checkbox"/> Others	<input type="checkbox"/> Wet Insulation Blanket		
.....	<input type="checkbox"/> Other		
21. If the defect is RII, Please Sign this card finally by RII Inspector	INSP	DATE	
NOTICE OF INSPECTOR			

22. PARTS REQUIRED						
PART DESCRIPTION	PART NO	QTY	SERIAL NO		STATUS	
			ON	OFF	CLOSE	OPEN

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION

(CRS-SMI)

A/C TYPE	EC 130 T2	TTSN	:
A/C REG	PK-SNX	TCSN	:
MSN	8829	DATE	:
TYPE OF INSPECTION	Tailboom Removal / Installation		
DUE AT	:		
REFF	MP EC 130 T2 Rev. 0		
EXCEPTION			
AUTHORIZED PERSON			
I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program.			
Aircraft safe and airworthy for flight			
NAME	CAT	AMEL/OTR NO	SIGN&STAMP
	AIRFRAME & POWER PLANT		
	EIRA		
THE NEXT DUE TYPE OF INSPECTION :			
DUE AT :			



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TECHNICAL DEPARTMENT
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Rev. No	Original
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Rev. Date	10 April 2023
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TAILBOOM REMOVAL / INSTALLATION FOR EC130T2 PK-SNX

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	Technical Manager	Chief Inspector
Signature:	Signature:	Signature:
Name: Dwi M	Name: Istiono	Name: Yanuar A. F.
Date: 10 April 2023	Date: 10 April 2023	Date: 10 April 2023



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**SMART AVIATION
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Aircraft Reg.: PK-SNX (8829)	Make/Model: EC130T2	No. EO: 003/EO/TEK-TS/IV/2023	Rev. No. : Original
Total Flight Hours: 830:14	Total Flight Cycle: 2119	Date Issued : 10 April 2023	
Task Description : TAILBOOM REMOVAL / INSTALLATION ON EC130T2 PK-SNX	Technical Data Reference : AMM 53-31-00,4-1B Removal / Installation - Rear Fuselage POST MOD 074581 - Rear fuselage		
Effectivity : EC130T2 (PK-SNX)			



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SMART AVIATION ENGINEERING ORDER

1. Description

This document contains requirement for tailboom replacement regarding defect found on maintenance of PK-SNX due to 800 Hrs routine inspection. The reference for the installation of tailboom assy on AMM 53-31-00,4-1B Removal / Installation - Rear Fuselage POST MOD 074581 - Rear fuselage.

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNX	8829

DISTRIBUTION :

TECHNICAL MANAGER	[<input checked="" type="checkbox"/>]	MATERIAL SUPPORT	[<input checked="" type="checkbox"/>]
SAFETY & QUALITY MANAGER	[<input checked="" type="checkbox"/>]	TECHNICAL SUPPORT	[<input checked="" type="checkbox"/>]
CHIEF INSPECTOR	[<input checked="" type="checkbox"/>]	FILE	[<input checked="" type="checkbox"/>]



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3. Compliance.

Removal / Installation of Tailboom on Airbus Eurocopter 130 T2 aircraft registered as PK-SNX MSN 8829.

4. Consumable Material.

CM 6068	Sealing Compound
Commercial	Cloth
Commercial	Cable tie
Commercial	Ballast

5. Special Tools

350A91-2380-02	Tail Boom Sling
350A91-2381-01	Tail Boom Supports
350A91-2780-00	Ball-type Control Protection
Commercial	Lifting Equipment

6. Publications Affected.

None.

7. Accomplishment Instructions.

Description	Eng.	RII	Remarks
Removal of the rear fuselage			
Remove the rear section of the ball-type control (AMM 67-21-00,4-1).			
Remove the horizontal stabilizer (AMM 55-11-00,4-1).			
Remove the TGB (AMM 65-21-00,4-2).			



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Remove the TRH (AMM 64-21-00,4-2)			
Remove the tail rotor drive line (AMM 65-11-01,4-1) and (AMM 65-11-01,4-4)			
Installation of the rear fuselage			
Install the rear section of the ball-type control (AMM 67-21-00,4-1). Note : This item contain RII			
Install the horizontal stabilizer (AMM 55-11-00,4-1).			
Install the TGB (AMM 65-21-00,4-2). Note : This item contain RII			
Install the TRH (AMM 64-21-00,4-2) Note : This item contain RII			
Install the tail rotor drive line (AMM 65-11-01,4-1) and (AMM 65-11-01,4-4)			
NOTE			
Leave the damper of the front section (12) open and install foam (15) between the front flange of the front section (12) and the firewall fairing (14).			
Install the protective skid (11) included in the tail boom support [X075P6201101] on the lower part of the fenestron fin.			
Remove the ball-type control protection [350A91-2780-00].			
Perform electrical bonding on the attachments as indicated (DETAIL A).			



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NOTE

The surface in contact with the nut (8) or the screw (7) must be stripped over a diameter of 15 to provide electrical bonding. If the stripping is difficult (without damaging the radius of the frame), strip to a diameter of 12.

CAUTION

PAY PARTICULAR ATTENTION TO THE POSITION OF THE SLING STRAPS:

- FRONT STRAP NEXT TO THE FRAME AND POSITIONED AGAINST THE FAIRING (12) OF THE HORIZONTAL STABILIZER WITHOUT OVERLAPPING IT (DETAIL C),
- REAR STRAP / NO CONTACT WITH THE ROTOR BLADES.

Install the tail boom sling [350A91-2380-02] (4) on the rear fuselage (1) as per the operating manual and (DETAIL C).

Apply tension to the straps using the lifting device (3).

CAUTION

DEPENDING ON THE HELICOPTER CONFIGURATION, INSTALL MORE OR LESS ballast ON THE FENESTRON HANDLE WITH A MAXIMUM OF 5 KG (11 LB) TO PROVIDE HORIZONTALITY. HOLD THE FRONT AND REAR OF THE REAR FUSELAGE (1) TO PREVENT IT FROM TILTING DURING THE LIFTING OPERATION.

Remove the rear fuselage (1) from the two components (5) and (6) of the tail boom support [X075P6201101].

Carefully lift the rear fuselage (1).

Align the rear fuselage (1) in the Y and Z axes with the intermediate structure (2).

Note : This item contain RII

CAUTION

- PROGRESSIVELY INSTALL THE BALL-TYPE CONTROL IN THE REAR FUSELAGE (1) WHILE HANDLING IT CAREFULLY (AMM 67-00-00,3-1).
- SLIGHTLY AND CAREFULLY LIFT THE FLANGE OF THE FRONT SECTION (12) TO PASS JUST OVER THE FIREWALL (14).



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Connect the rear fuselage (1) to the intermediate structure (2).

Install the screws (7) and (10), the washers (8) and the new nuts (9).

NOTE

- The screws (7) (quantity 34) and the screws (10) (quantity 4) attaching the tail boom can be installed in either direction.
- The Part Number and the length of the 4 attachment screws (10) are different (DETAIL B-B).

Torque the nuts (9) in a crosswise sequence

Apply a bead of Sealing compound CM 6068 at the junction of the intermediate structure (2) and the rear fuselage (1).

Remove the ballast attached to the fenestron handle if necessary.

Remove the tail boom sling [350A91-2380-02] (4) from the rear fuselage (1)

Remove the protective skid (11) from the fenestron

Close-up

Install the optional equipment as per the work cards related to the helicopter configuration.

Build up the fenestron ([AMM 53-41-00,4-2](#)).



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Connect the ball-type control a. Assemble the front section and the rear section of the ball-type control at the junction box (AMM 67-21-00,4-1). Note : This item contain RII			
Connect the front flange of the front section (12) to the flexible coupling connecting it to the engine flange (AMM 65-11-01,4-2).			
Close the front section damper (12) (AMM 65-11-01,4-1)			
Remove the protective foam (15)			
If necessary, install the communication and navigation antennas and the optional equipment as per the work cards related to the helicopter configuration.			
Connect the cut-off connectors of the antenna electrical cables and coaxial cables.			
Install the battery in the tail boom (AMM 24-33-00,4-1) and connect the battery electrical system cut-off connector.			
Perform a functional test:			
a. of the position lights (AMM 33-41-00,5-1),			
b. of the anti-collision light (AMM 33-42-00,5-1),			
c. of the TGB chip detector indication (AMM 60-00-00,6-2),			



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d. of the disconnected installations and optional equipment as per the work cards related to the helicopter configuration.

Close the rear cargo door.

Install the tail drive line cowlings and the tail boom junction cowling.

Make sure that there are no foreign bodies (work cards, ballast , cloths, etc.).

***** END OF THE TASK *****

RETURN TO SERVICE

I hereby certify that the aircraft has been installed tailboom in accordance with AMM 53-31-00,4-1B and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : _____

Stamp : _____

Signature : _____

Place/Date : _____

- END -