MAINTENANCE REVIEW REPORT

AIRWORTHINESS AND AIRCRAFT ENGINEERING DEPARTMENT

Air Operator Name			
AOC No.		**AOC Valid Until**	
Aircraft Owner Name			
CMR Staff Name			
CMR Authorized No.			

Notes for use: also refer to the Explanatory Notes on the last page of this report

- Where an item is satisfactory, indicate '**Y**' into the appropriate column. If not applicable, indicate '**N/A**'
- All aircraft defects will require maintenance action prior to further flight
- Section 5 cannot be certified if there is evidence or indications that the aircraft is not airworthy
- Send the report form to **airworthiness@caat.or.th**

Date next review due	

Complete sign off on Section 5

1. AIRCRAFT DETAILS

Registration Mark								
Classification	☐ Aeroplane ☐ Helicopter ☐ Other : _____							
Category	☐ Passenger ☐ Cargo ☐ Other : _____							
	Airframe			**Engine(s)**			**Propeller(s)**	
State of Design								
TCDS No.		**Rev.**			**Rev.**			**Rev.**
Manufacturer								
Type / Model								
Serial No.								
Date of Manufacture								
Hours since new								
Cycles sine new								
Date of Overhaul								
Hours since overhaul								
Cycles since overhaul								
TCDS No. for Noise and Emissions							**Rev.**	
Maximum Take-Off Weight							**kg.**	

2. DOCUMENT REVIEW

Date of Document Review				
Place of Document Review				
C of R Reference		**C of R Issue Date**		
C of A Reference		**C of A Expiry Date**		
The aircraft has been issued with a CAAT Type Acceptance Certificate?				
The aircraft conforms to the latest revision of its TCDS and acceptable design changes?				
The aircraft holds a noise certificate corresponding to the current aircraft configuration?				
Approved Flight Manual Reference			**Issue / Rev.**	
Manufacturer Flight Manual Reference			**Issue / Rev.**	
The approved flight manual is applicable to the aircraft configuration and reflects the latest revision status?				
Approved Maintenance Program Reference			**Issue / Rev.**	
Manufacturer Maintenance Program Reference			**Issue / Rev.**	
All maintenance due according to the approved maintenance program has been carried out?				
The aircraft has been maintained for the previous 12 months by CAAT approved maintenance organizations and/or organization with maintenance under AOC privilege?				
Weight and Balance Manual Reference			**Issue / Rev.**	
Date of Last Weighed				
Center of Gravity Data			**% MAC or Other: _____**	
Within limits and accurate?				
The current mass and balance statement reflect the current aircraft configuration and is valid?				
Approved Minimum Equipment List Reference			**Issue / Rev.**	
Master Minimum Equipment List Reference			**Issue / Rev.**	
Aircraft Technical Log Issue / Rev.				
The current Aircraft Technical Log used conforms to the approved format in GMM?				
Aircraft Technical Log (see Note 1) contains all required current information?				
Airframe, engine and propeller flying hours and cycles have been properly recorded?				
All known defects and inoperative equipment / MEL items, CDL items, have been properly rectified or deferred/carried forward in a controlled manner?				

All maintenance and relevant work packages have been carried out and properly released in accordance with approved procedure and maintenance data?	
All components installed onto the aircraft are in a satisfactory condition, released on an acceptable airworthiness approval tag?	
All applicable Airworthiness Directives (AD) have been assessed, incorporated, and recorded?	
All STCs, modifications, and repairs installed onto the aircraft and its components have been correctly approved or accepted by CAAT and appropriately recorded?	
All applicable Instruction for Continued Airworthiness (ICA) for all installed STCs has been incorporated into the approved maintenance program and properly complied?	
All time controlled and life limited components installed on the aircraft are properly identified, registered, and controlled in accordance with approved maintenance program, and have not exceeded their mandatory limit?	
List of persons or organizations having carried out continuing airworthiness activities since the last review:	
List of persons or organizations having carried out maintenance tasks on the aircraft and its components since the last review:	
The following documents are required to be submitted with this report:	**Status Date**
(a) Copy of C of R, C of A, and Noise Certificate	
(b) The latest TCDS of aircraft, engine, and propeller	
(c) Airworthiness Directives status list (Aircraft, Engine, Propeller, Appliances)	
(d) All incorporated modifications (STC, incorporated SB, other approved documents) status list	
(e) All incorporated repairs status list including aircraft external damage marking	
(f) All installed time controlled and life limited components status list	
(g) The latest weight and balance report and equipment list	
(h) Current Certificate of Release to Service	
(i) Aircraft technical logbook with the latest maintenance release	
(j) Deferred / Carried forward defects, MEL, CDL items status list	
(k) Authorized Release Certificate or equivalent of the following applicable components: a. Whole aircraft b. Engine c. Propeller d. APU	

3. AIRCRAFT PHYSICAL SURVEY (see Note 2)

Date of Aircraft Physical Survey							
Place of Aircraft Physical Survey							
Name of Assisting Licensed Aircraft Engineer (see Note 3)							
Assisting LAE Signature							
LAE License No.				**License Valid Until**			
Area	**Satisfied?**	**Area**	**Satisfied?**	**Area**	**Satisfied?**	**Area**	**Satisfied?**
Fuselage		Control Surfaces		Instrument Panel		Power Plant	
Registration Marks		Static Wicks		Avionics		Propellers / Rotors	
Wings		Doors / Panels		Electrics			
Empennage		Cargo		Safety Equipment		Flight Recorders	
Landing Gears		Cockpit / Cabin		Systems			

Aircraft Identification and Placards	Type Certification identification plate fitted?	
	Aircraft registration markings and fireproof plate correct?	
Documents on Board	The required documents are on board (see Note 4)?	
	The weight and balance records are updated?	
	The external damage marking records are updated?	
	The third-party liability insurance certificate is valid?	
	All onboard documentation is valid and correct?	
Inoperative Equipment	Physical check that placarding is correct?	
Components	Overhaul and limited life components verification, where practicable, of serial number's correct?	
	Major components serial numbers are correct?	
Modifications and Repairs	Recorded and accomplished as per requirements?	
General Condition Inspection	Aircraft is in satisfactory condition?	
All required markings and placards (see Note 5) are properly installed and legible?		
The aircraft complies with its approved flight manual?		
The aircraft configuration complies with the approved documentation (TCDS, STC, etc.)?		
All defects have been correctly rectified or deferred/carried forward in a controlled manner (No evidence defect that has not been addressed is found)?		
All existing defects that affect or may affect the airworthiness and safe operation of the aircraft have been made known to the aircraft commander?		
The aircraft condition is consistent with the documented review of records in **Section 2** of this report?		

4. DEFECTS / FINDINGS OBSERVED (see Note 6)

(All defects / findings must be cleared before certifying the review)

Reference	Defects / Findings Description	Rectification / Actions

Extra page(s) attached ? _____

5. CERTIFICATION (see Note 7)

(The review cannot be certified with open defects / findings)

Statement
I certify that all of the above records have been reviewed for the period plus a physical survey of the aircraft undertaken and the aircraft [HS -] is found to be fully in compliance with all of the applicable requirements. **The aircraft in its current configuration complies with the following:** - **Airworthiness directives up to the latest published issue** - **Type certificate datasheet** - **Maintenance programme** - **Limitation for life-limited parts and time-controlled components** - **The valid weight and center of gravity schedule reflecting the current configuration of the aircraft** - **All modifications and repairs requirements** - **The current flight manual including supplements** - **Operational requirements** **In addition, all of the above items are properly entered and certified in the aircraft continuing airworthiness record system and/or in the its technical log.** **At the time of the review, the aircraft is considered airworthy.**

CMR Staff Signature	**I confirm that information in this report is true and accurate** _____ **Report completed date: / /**

Explanatory notes for completing the Maintenance Review Report

General, for all sections

- Enter a '**Y**' in the appropriate column to indicate that the aircraft meets the applicable requirements
- Enter '**N/A**' if the requirement is not applicable to the aircraft or operation

Note 1

Aircraft Technical Log information must contain:

- Details of the registered name and address of the operator
- Aircraft type
- Aircraft national and registration marks
- Details of when the next scheduled maintenance is due
- The current certificate of release to service (CRS)
- Details of all information considered necessary to ensure continued flight safety:
  - The date and place of take-off and landing
  - The times at which the aircraft took off and landed
  - The running total of flying hours/cycles/landings, such that the hours/cycles/landings to the next schedule maintenance or life of an aircraft or component can be determined
  - Details of any failure, defect or malfunction to the aircraft affecting airworthiness or safe operation of the aircraft including emergency systems, and any failure, defect or malfunctions in the cabin or galleys that affect the safe operation of the aircraft or the safety of its occupants that are known to the commander. Date and sign of such entries included
  - The quantity of fuel and oil uplifted and the quantity of fuel available in each tank, or combination of tanks, at the beginning and end of each flight
  - The pre-flight inspection signature
- Details of all deferred or existing defects that affect or may affect the safe operation of the aircraft and must therefore be known to the aircraft commander:
  - A cross reference for each deferred defect such that the original defect can be identified
  - The original date of occurrence of the defect deferred
  - Brief details of the defect
  - Details of the eventual rectification carried out and its CRS or a clear cross-reference back to the document that contains details of the eventual rectification or deferral
- Any necessary maintenance support information that the aircraft commander needs to know.

Note 2

The physical survey could require actions categorised as maintenance (e.g. operational tests, tests of emergency equipment, visual inspections requiring panel opening, etc.). In this case, after the maintenance review, a release to service must be issued. The physical survey may include verifications to be carried out during flight. To ensure compliance, the physical survey may include relevant sample checks of items.

Note 3

If the CMR staff are qualified as type-rated Licensed Aircraft Engineer (LAE), fill in the license number and validity.

When the CMR staff are not appropriately qualified as type-rated LAE in order to release any maintenance as described in Note 2, it is required them to be assisted by such qualified personnel. However, the function of such LAE personnel is limited to performing and releasing the maintenance actions requested by the CMR staff, it not being their function to perform the physical survey of the aircraft. This means that the

CMR staff who is going to sign the maintenance review report should be the one performing both the documented review and the physical survey of the aircraft. It is not the intent of the rule to delegate the survey to LAE personnel who are not CMR staff.

Note 4

Aircraft shall carry the following documents on board:

- Certificate of Registration (C of R)
- Certificate of Airworthiness (C of A)
- Radio License
- Noise Certificate
- Third-Party Liability Insurance Certificate(s)
- Certified True Copy Air Operator Certificate and Copy of Operations Specifications relevant to the aircraft
- Journey logbook or equivalent approved document
- Technical logbook or equivalent approved document
- List of emergency equipment carried on board
- Aircraft Flight Manual (AFM)
- Approved Minimum Equipment List (MEL) / Configuration Deviation List (CDL)
- Electronic Flight Bags – if included in approved Operations Specifications
- Load Sheet or Weight and Balance Report
- Records of aircraft external damage markings
- Any other information necessary for the operation of the aircraft

Note 5

The markings and placards can be required by certification information in TCDS, AFM, manufacturer instructions (ATA Chapter 11), STCs' ICA, Ads, or supplemental information from approved drawing.

Note 6

New aircraft defects identified during the review must also be recorded in the technical log by appropriate type-rated LAE. All aircraft defects require a clearing maintenance action (rectification or appropriate deferral) prior to further flight.

If the result of the full maintenance review is unsatisfactory or inconclusive, then this report, along with all necessary supporting information must be sent to Airworthiness and Aircraft Engineering Department (AIR), CAAT, within 72 hours from the moment the reason for which the review is inconclusive is found in order to satisfy the requirements of the review. Once all findings have been corrected and satisfactory, the report can be issued with certification statement in Section 5 of this report and resubmitted to CAAT.

Note 7

Once the report is completed and certified, it must be submitted along with the documents listed at the end of Section 2 of this report to **airworthiness@caat.or.th** within 10 days.

The next review due date shall be calculated from the certification date in Section 5 of this report.