SCHEDULED MAINTENANCE CHECKS

AMM-05-20-00-081-801

1. Inspection Requirements

SUBTASK AMM-05-20-00-081-211-001

A. The scheduled inspection intervals are as follows:

(1) 300 flight hours (FH) or 24 calendar months (whichever occurs first)

(2) 1,200 flight hours (FH) or 48 calendar months (whichever occurs first)

(3) Life Extension Inspection Program upon reaching 10,000 flight hours or 10,000 flights (whichever occurs first)

(4) Structural inspection to be accomplished at intervals specified in the Airworthiness Limitations. Refer to AMM-04-00-00-081-801 – Airworthiness Limitations.

(5) Refer to PWC EMM 05–20–00 for engine scheduled maintenance checks.

B. The aircraft is intended to be inspected at multiples of 300 hours. In order to provide scheduling flexibility, the scheduled inspection intervals may be exceeded as shown in Table 1.

NOTE: Inspection intervals and maintenance requirements not listed in Table 1 below must not exceed the inspection intervals plus applicable grace periods identified in Table 1 of AMM-05-10-10-081-801 – Time Limited Maintenance Requirements without approval of the operator's regulatory authority.

Table 1. Inspection Grace Periods

Inspection Interval	Grace Period - Hours	Grace Period - Months
300 Hour/24 Month	30	1
1200 Hour/48 Month	50	2

When the grace period is used to exceed the normal inspection interval the next inspection is due at the following multiple of that inspection interval.

When an inspection is accomplished early, the following inspection is due at the normal interval and the grace period may be used to reach the following multiple of that inspection interval. However, the next inspection must be accomplished no later than the normal interval plus the grace period.

NOTE: The 300 Hour/24 Month inspection and the 1200 Hour/48 Month inspection are separate and unique inspections. The grace period for the 1200 Hour/48 month inspection may not be used to exceed the grace period for the coinciding 300 Hour/24 Month inspection.

C. The inspection intervals have been established for normal aircraft operations in average environmental conditions. Aircraft operated in an area of extreme humidity, heat, cold, dust or sand, or in an area nearby to saltwater should implement appropriate maintenance requirements, as determined by owner/operator field experience.

D. Progressive Inspection Programs

(1) If desired, an operator may choose to accomplish the scheduled inspections described above in multiple maintenance visits under the administration of a progressive inspection plan approved in accordance with FAR part 91.409.

E. Hourly intervals are based on flight hours (weight off wheels to weight on wheels) and begin counting at the beginning of the first flight of the aircraft (i.e. EAI Production Flight Test).

Calendar intervals are based on a calendar day, month or year. Calendar intervals on new aircraft begin on the date of issuance of the Standard Certificate of Airworthiness for that specific aircraft.

NOTE: For components tracked from the date of manufacture and that are not manufactured by Eclipse Aerospace (oxygen bottle, fire extinguisher, etc.), time will begin to accrue from the date of manufacture at the supplier.

F. Inspection Terms and Definitions

Table 2. Inspection Terms and Definitions

Term	Definition
CHECK	An observation to determine if an item is fulfilling its intended purpose. A check is a failure finding task and does not require quantitative tolerances.
CYCLE	A cycle consists of one takeoff and one landing. Also see FLIGHT.
DAILY INSPECTION	Extends from the day completed for the duration of the inspection period. Unless a grace period is given.
DISCARD	The removal from service of an item at a specified life limit.
FILL	Fill to the correct level, pressure or quantity, including (as applicable) the following tasks: • removing caps and/or covers • examining caps, covers, gaskets and seals • installing caps and/or covers • installing appropriate locking devices
FILL-TO-SPILL	Fill the fill port until substance begins to run-over or spill.
FLIGHT	A flight shall consist of one takeoff and one landing. Also see CYCLE.
FUNCTIONAL CHECK	A quantitative check to determine if one or more functions of an item perform within specified limits.

Term	Definition
HOURLY INSPECTION	Extends from the hour completed for the duration of the inspection period. Unless a grace period is given.
INSPECT	May consist of any one of the following: • General Visual Inspection (GVI) – A visual examination of an area, installation or assembly to detect obvious damage, failure or irregularity. • Detailed Inspection (DET) – An intensive examination of a specific item, installation or assembly to detect damage, failure or irregularity. Available lighting is normally supplemented with a direct source of lighting at an intensity deemed appropriate. • Special Detailed Inspection (SDI) - An intensive examination of a specific item, installation or assembly to detect damage, failure or irregularity. An SDI is likely to make use of specialized inspection techniques and/or equipment.
INSTALL	Connect or attach a component or system in order to secure it in its correct position.
LUBRICATE	Apply prescribed lubricant.
MONTHLY INSPECTION	Extends from any day of the month to the last day of month for the inspection period. Unless a grace period is given.
OPERATIONAL CHECK	A task to determine that an item is fulfilling its intended purpose. The check is a failure finding task and does not require quantitative tolerances.
REMOVE	Disconnect and/or detach a component or system in order to remove it from its installed position.
REMOVE AND REPLACE	Remove a component or system and install a new or serviceable component or system in its place.
YEARS	Extends for any day of the month to the last day of the month for the inspection period. Unless a grace period is given.