

CH/A: ENRA - MARITIME HELICOPTERS INC

MLF Label: 4.3.1 (AW) Airworthiness Release/Maintenance Log Requirements (Released)

DCT Type: ED DCT

Specialty: Airworthiness

DCT Revision: 14.0 on 06/24/19 (Released)

Summary Information

Purpose (Certificate Holder Responsibility): To prepare airworthiness release and logbook entries.

Objective (FAA Responsibility): Determine if the CH will be able to; (1) Comply with regulations; (2) Perform an airworthiness release and prepare logbook entries.

Common Data Fields

Start Date	
End Date	
Location: (Nearest) Airfield	
Related/Affiliated Designator	
CH/A Provided	
If work is offsite of the airfield, include one of the following	
☐ Address 1	
Address 2	
Address 3	
City	
State	
Postal Code	
Country	
☐ Latitude	
Longitude	

Supplemental Information

Questions	Answers	References
4.3.1 (AW) Airworthiness Release/Maintenance Log Requirements		
2 Does the process design ensure the individual with responsibility provides both financial and human resources for the safety and quality performance of this element? NOTE: Safety Attribute: Management Responsibility, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:48 PM, QID: 00051943, Response Details: Responsibility ED/EP/SP DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No	
4 Is the person with authority clearly identifiable, qualified and knowledgeable to effectively plan, direct and control resources, change procedures and make key determinations including safety risk acceptance decisions for this element? NOTE: Safety Attribute: Management Authority, Question Type: Output Validation,	☐ Yes ☐ No	

Questions	Answers	References
Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:48 PM, QID: 00051944, Response Details: Authority ED/EP/SP DCTs (Both OP and AW), Status: Released		
6 Do process measurement(s) exist to evaluate the performance of this element and implement corrective action if necessary? NOTE: Safety Attribute: Process Measurement, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:48 PM, QID: 00051945, Response Details: Process Measurement ED/EP/SP DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No	
7 Do the procedures specify that each person who takes action in the case of a reported or observed failure or malfunction of an airframe, powerplant, propeller, rotor, or appliance must make an airworthiness release or have made a record of that action in the airplane's maintenance log? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 2 6/25/2018 1:06:48 PM, QID: 00005248, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 17
8 Do the procedures specify that an airworthiness release or a maintenance logbook entry must contain the following regulatory certifications: # The work is performed following the requirements of the manual; # All items required to be inspected are inspected by an authorized person who determines that the work is satisfactorily completed; # No known condition exists that would make the airplane unairworthy; and # As far as the work performed is concerned, the aircraft is in condition for safe operation? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 2 7/17/2014 4:32:34 PM, QID: 00005249, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
9 Do the procedures specify that after maintenance, preventive maintenance, or alterations performed by a Repair Station located outside the United States, the airworthiness release or log entry may be signed by a person authorized by that Repair Station? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 1 5/14/2014 10:51:14 AM, QID: 00005254, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 21
10 Do the procedures include a statement that, instead of the conditions of the certification required by 135.443(b), the Operator may state in its manual that the signature of an authorized certificated mechanic or repairman constitutes that certification? NOTE:	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18

Questions	Answers	References
Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 1 5/14/2014 10:51:14 AM, QID: 00005255, Response Details: EP & ED DCTs (Both OP and AW), Status: Released		
11 Do the procedures ensure that when preparing an airworthiness release and aircraft maintenance logbook entry: # The airworthiness release or aircraft log entry is signed by an authorized and certificated mechanic; or # A certificated repairman may sign the release or entry only for the work for which he or she is employed and certificated? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 2 7/17/2014 4:32:35 PM, QID: 00005259, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
12 Do the procedures ensure that copies of the aircraft maintenance log required by this section are in the aircraft and accessible by appropriate personnel. NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") THEN ACTIVATE QUESTION, Rev. 1 5/14/2014 10:51:14 AM, QID: 00005262, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
13 Do the procedures specify a suitable system (which may include a coded system) that provides for the preservation and retrieval of information in a manner acceptable to the Administrator and that provides: # A description of the work performed or reference to this data acceptable to the Administrator; # The name of the person performing the work if the work is performed by a person outside the Operator's organization; and # The name or other positive identification of the individual approving the work? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 2 7/17/2014 4:32:36 PM, QID: 00005263, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
14 Do the procedures specify that each person who takes action or defers action concerning a reported or observed failure or malfunction of an airframe, engine, propeller, rotor, or appliance must: # Make or have made a record of that action in the aircraft maintenance log; # All items required to be inspected are inspected by an authorized person who determines that the work is satisfactorily completed; # No known condition exists that would make the airplane unairworthy; and # As far as the work performed is concerned, the aircraft is in condition for safe operation? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND ((OPSPEC = "D101") OR (OPSPEC = "D102") OR (OPSPEC = "D104")) THEN ACTIVATE, Rev. 5 12/17/2018 1:51:49 PM, QID: 00005267, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
15 Do the procedures specify how to prepare an airworthiness release and/or maintenance log entry?	☐ Yes ☐ No	

Questions	Answers	References
NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D072") THEN ACTIVATE QUESTION, Rev. 4 6/25/2018 1:07:06 PM, QID: 00005272, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Not Applicable	
16 Do the procedures specify each person who maintains, performs preventative maintenance, rebuilds, or alters an aircraft, aircraft engine, propeller, appliance, or component part shall make an entry in the maintenance record that provides: # A description of the work performed or reference to this data acceptable to the Administrator; # The name of the person performing the work and the date of completion? # The signature, certificate number, and kind of certificate held by the person approving the work. NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND ((OPSPEC = "D101") OR (OPSPEC = "D102") OR (OPSPEC = "D104")) THEN ACTIVATE, Rev. 4 12/17/2018 1:51:50 PM, QID: 00005275, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16-18
17 Do the procedures require that irregularities be repaired or deferred per the MEL prior to each flight and entered in the aircraft maintenance log? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") AND (OPSPEC = "D095") THEN ACTIVATE QUESTION, Rev. 3 12/17/2018 1:51:50 PM, QID: 00005279, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	MHI FAA approved MEL
18 Do the procedures require an aircraft maintenance log to be carried on board each aircraft to record or defer mechanical irregularities? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") THEN ACTIVATE QUESTION, Rev. 3 12/17/2018 1:51:50 PM, QID: 00005280, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16
19 Do the procedures require the PIC to enter or have entered in the aircraft maintenance log each mechanical irregularity that comes to the pilot's attention during flight time? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") THEN ACTIVATE QUESTION, Rev. 3 12/17/2018 1:51:51 PM, QID: 00005281, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16
20 Do the procedures require that before each flight the PIC determine the status of each irregularity entered at the end of the preceding flight? NOTE:	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16

Questions	Answers	References
Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") THEN ACTIVATE QUESTION, Rev. 3 12/17/2018 1:51:51 PM, QID: 00005282, Response Details: EP & ED DCTs (Both OP and AW), Status: Released		
21 Do the procedures specify that copies of the aircraft maintenance log are in the aircraft and readily accessible to the flight crew to use for recording and deferring mechanical irregularities and their correction? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135") THEN ACTIVATE QUESTION, Rev. 2 6/25/2018 1:07:06 PM, QID: 00005283, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	Camp Pg 16
22 Do the procedures contain instructions for maintenance personnel when swapping positions of compatible components within the same aircraft? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "121" OR "135") AND (OPSPEC = "D072") THEN ACTIVATE, Rev. 2 6/24/2019 4:28:22 PM, QID: 00051063, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	
24 Do procedures exist in enough detail to meet the regulatory and guidance requirements for this element to produce the intended results? NOTE: Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:47 PM, QID: 00051940, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No ☐ Not Applicable	
26 Do controls exist within this element that ensure risks are reduced to an acceptable level? NOTE: Safety Attribute: Controls, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:47 PM, QID: 00051941, Response Details: Controls ED/EP/SP DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No	
28 Does the certificate holder have a method to evaluate the impact of changes on related processes (interfaces) for this element? NOTE: Safety Attribute: Interfaces, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:47 PM, QID: 00051942, Response Details: Interfaces ED/EP/SP DCTs (Both OP and AW), Status: Released	☐ Yes ☐ No	

Questions		Answers	References
30	Does the process design require that individuals understand their safety role and how it contributes to the safety performance of this element?	☐ Yes ☐ No	
	NOTE:		
	Safety Attribute: Safety Ownership, Question Type: Output Validation, Scoping Attribute: IF (FAR PART = "135" OR "145" OR "141" OR "142" OR "147") AND NOT (SAFETY PROGRAMS = "SMSVP") THEN ACTIVATE, Rev. 2 3/8/2019 12:47:48 PM, QID: 00051946, Response Details: Safety Ownership ED/EP/SP DCTs (Both OP and AW), Status: Released		

Response Details List EP & ED DCTs (Both OP and AW) (Released, 1.0)	
1	Unclear procedure(s)
2	Conflicting procedure(s)
3	Used workaround(s)
4	Skipped process step(s)
5	Personnel failed to follow process (procedures, guidance, etc)
6	Procedures/guidance not available
7	Procedures/guidance not current
8	Inconsistent procedure(s)
9	Undocumented procedure(s)
10	Minor typographical error(s) (i.e. record entries)
11	Information missing
12	Communication failure(s)
13	Personnel failed to perform task
14	Process failed to meet desired outcome
15	Process oversight failure
16	Equipment/tools not available
17	Equipment/tools not adequate
18	Equipment/tools not calibrated
19	Facilities not adequate
20	Other
Response Details List N/A Response Detail (Released, 2.0)	
1	Not applicable or authorized for the certificate holder or applicant
2	Other
Response Details List Controls ED/EP/SP DCTs (Both OP and AW) (Released, 1.0)	
1	Failure to identify hazards or ineffective risk controls
2	Failure to develop and maintain risk controls
3	Failure to effectively mitigate risk before applying risk controls
4	Risk controls ineffective
5	Unclear risk controls
6	Failure to assess risk for a new system
7	Failure to assess risk when revising an existing system
8	Failure to assess risk when developing operational procedures
9	Failure to maintain records of outputs of risk control assessments
10	Other
Response Details List Interfaces ED/EP/SP DCTs (Both OP and AW) (Released, 1.0)	
1	Internal communication failure(s)
2	External communication failure(s)
3	Lack of interfaces
4	Inconsistent interfaces
5	Poor coordination between departments and employees
6	Failure of interfaces between processes or procedures
7	Other

Response Details List Responsibility ED/EP/SP DCTs (Both OP and AW) (Released, 1.0)

1	Failed to provide financial resources
2	Failed to provide sufficient human resources
3	Individual not clearly identified
4	Failure to ensure safety of process
5	Failure to oversee operations conducted under the certificate
6	Failed to ensure quality performance of process
7	Process oversight failure
8	Communication failure(s)
9	Other

Response Details List Authority ED/EP/SP DCTs (Both OP and AW) (Released, 1.0)

1	Process oversight failure
2	Unacceptable safety risk acceptance
3	Ineffective planning of resources
4	Ineffective use of resources
5	Ineffective control of resources
6	Failure to implement safety risk processes
7	Process owner not clearly identified
8	Unqualified
9	Other

Response Details List Process Measurement ED/EP/SP DCTs (Both OP and AW) (Released, 1.0)

1	Inadequate monitoring of operations processes
2	Ineffective evaluations of processes or systems
3	Undocumented or insufficient investigations
4	Failure to conduct audits
5	Ineffective audits
6	Failure to detect changes in the operational environment
7	Personnel failed to perform/follow process (procedures, guidance, etc.)
8	Process failed to meet desired outcome
9	Process oversight failure
10	Other

Response Details List Safety Ownership ED/EP/SP DCTs (Both OP and AW) (Released, 3.0)

1	Unaware of or ineffective safety policies or processes
2	Unaware of or ineffective safety related reporting tools
3	Unclear safety policy
4	Ineffective safety related training
5	Lack of safety culture
6	Unclear safety objectives
7	Other