Safety Attribute Inspection (SAI) Data Collection Tool 1.2.1 Airworthiness Release / Logbook Entry (AW)

ELEMENT SUMMARY INFORMATION

Purpose of this Element (certificate holder's responsibility):

• To ensure the certificate holder s manual includes policy, procedures, instructions, and information necessary for personnel to perform the duty of accomplishing an Airworthiness Release and/or a Logbook Entry.

Objective (FAA oversight):

- To determine if the certificate holder s Airworthiness Release/Logbook Entry process meets all applicable requirements of Title 14 of the Code of Federal Regulations (14 CFR) and FAA policies.
- To determine if the certificate holder's Airworthiness Release/Logbook Entry process incorporates the safety attributes.
- To identify any shortfalls in the certificate holder's Airworthiness Release/Logbook Entry process.

Specific Instructions:

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SUPPLEMENTAL INFORMATION

Specific Regulatory Requirements (SRRs):

SRRs: 121.135(a)(1) 121.135(b)(1) 121.135(b)(2) 121.135(b)(3) 121.367(c) 121.369(c) 121.375 121.380(a)(1) 121.380(c)(1)121.380(c)(2) 121.380(c)(3)121.709(a) 121.709(a)(1) 121.709(a)(2) 121.709(b) 121.709(b)(1) 121.709(b)(2) 121.709(b)(3) 121.709(c) 121.709(d) 43.3(c) 43.9(a) 43.9(a)(1)

SRRs:
 43.9(a)(2)
 43.9(a)(3)
 43.9(a)(4)

Related CFRs & FAA Policy/Guidance:

- Related CFRs:
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- FAA Policy/Guidance:
 FAA Order 8900.1, Volume 3, Chapter 32, Section 11

SAI Section 1 - Procedures Attribute

Objective: Procedures, instructions, and information are

documented methods for accomplishing a process. The certificate holder's policies should establish their compliance posture. Policies may be stand-alone statements, or they may be imbedded within procedures, instructions, or information regarding a particular regulatory requirement. The questions in this section of the data collection tool (DCT) are designed to assist the inspector in determining if the certificate holder has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated questions regarding who, what, when, where, and how. This section contains policy questions, procedural

questions, and instructional or informational questions pertaining to various types of certificate holder requirements such as actions, prohibitions, or resources (i.e., personnel, facilities, equipment, technical data, etc.).

Tas	Tasks	
	To meet this objective, the inspector must accomplish the following tasks:	
1.	Review the information listed in the Supplemental Information section of this DCT.	
2.	Review the duties and responsibilities for management and other personnel identified by the certificate holder who accomplish the Airworthiness Release/Logbook Entry process.	
3.	Review the certificate holder's Airworthiness Release/Logbook Entry process to ensure that it contains process to ensure it contains the policies, procedures, instructions and information necessary for personnel to perform their duties and responsibilities with a high degree of safety.	

Questions		
	To meet this objective, the inspector must answer the following questions:	
1.	Does the certificate holder's Airworthiness Release/Log Book Entry process meet the specific regulatory and FAA policy requirements:	
1.1.	Does the certificate holder's inspection program and program covering other maintenance, preventive maintenance, and alterations include instructions and information necessary for personnel to ensure that each aircraft released to service is airworthy and has been properly maintained for operation under 14 CFR part 121? SRRs: 121.135(a)(1); 121.367(c)	☐ Yes ☐ No, Explain
1.2.	Does the certificate holder's system specified in the manual required in 121.369 for the preservation and retrieval of information include instructions and information to retain all the records necessary to show that all requirements for the issuance of an airworthiness release under 14 CFR part 121, section 121.709, have been met, until the work is repeated, or superseded, by other work or for one year after the work is performed? SRRs: 121.135(a)(1); 121.380(a)(1); 121.380(c)(1); 121.380(c)(2); 121.380(c)(3); 121.369(c)	☐ Yes ☐ No, Explain
1.3.	Does the certificate holder's manual contain procedures for preparing an airworthiness release or appropriate log entry after maintenance, preventive maintenance, or alterations are performed on the aircraft? SRRs: 121.135(a)(1); 121.709(b)(1); 121.709(a)	☐ Yes ☐ No, Explain
1.4.	Does the certificate holder's manual contain procedures for each person with whom the certificate holder arranges for the performance of the maintenance, preventive maintenance, or alterations, to prepare: SRRs: 121.135(a)(1); 121.709(b)(1); 121.709(a)	

1.4.1	An airworthiness release, or an appropriate entry in the aircraft log, after maintenance, preventive maintenance, or alterations are performed on the aircraft? SRRs: 121.709(b)	☐ Yes ☐ No, Explain
1.5.	Does the certificate holder's Airworthiness Release/Log Book Entry process include instructions and information that require a copy of the prepared airworthiness release form to be given to the pilot in command? SRRs: 121.709(d)	☐ Yes ☐ No, Explain
1.6.	Does the certificate holder's Airworthiness Release/Log Book Entry process include instructions and information necessary for personnel concerned to keep a record of the prepared airworthiness release form for at least two months? SRRs: 121.709(d)	☐ Yes ☐ No, Explain
1.7.	Does the certificate holder's Airworthiness Release/Log Book Entry process include instructions and information necessary for personnel concerned to authorize: SRRs: 121.135(a)(1); 121.709(b)(3)	
1.7.1	 A certificated mechanic to sign an airworthiness release? SRRs: 121.709(b)(3) <i>Related Design JTIs:</i> 1. Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility, that the airworthiness release be signed by an authorized certificated mechanic or repairman except that a certificated repairman may sign the release only for the work for which he is employed and certificated. <i>Sources:</i> 121.135(a)(1); 121.709(b)(3) <i>Interfaces:</i> 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW) 	☐ Yes ☐ No, Explain
1.7.2	 A certificated mechanic to sign an entry in the aircraft log? SRRs: 121.709(b)(3) <i>Related Design JTIs:</i> 1. Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility, that the log entry be signed by an authorized certificated mechanic or repairman except that a certificated repairman may sign the log entry only for the work for which he is employed and certificated. <i>Sources:</i> 121.135(a)(1); 121.709(b)(3) <i>Interfaces:</i> 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW) 	☐ Yes ☐ No, Explain
1.7.3	 A certificated repairman to sign an airworthiness release, only for the work for which he/she is employed and certificated? SRRs: 121.709(b)(3); 43.3(c) <i>Related Design JTIs:</i> 1. Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility, that the airworthiness release be signed by an authorized certificated mechanic or repairman except that a certificated repairman may sign the release only for the work for which he is 	☐ Yes ☐ No, Explain ☐ Not Applicable

	employed and certificated.	
	Sources: 121.135(a)(1); 121.709(b)(3)	
	Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW)	
1.7.4	A certificated repairman to sign an entry in the aircraft log, only for the work for which he/she is employed and certificated?	☐ Yes ☐ No, Explain
	SRRs: 121.709(b)(3); 43.3(c)	Not Applicable
	Related Design JTIs:	
	1. Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned to perform the duty and responsibility, that the log entry be signed by an authorized certificated mechanic or repairman except that a certificated repairman may sign the log entry only for the work for which he is employed and certificated.	
	Sources: 121.135(a)(1); 121.709(b)(3)	
	Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW)	
1.8.	Does the certificate holder's training program ensure that each person (including inspection personnel) who are authorized to sign an airworthiness release or aircraft log and determines the adequacy of work done is fully informed about procedures and techniques?	☐ Yes ☐ No, Explain
	SRRs: 121.375; 121.709(b)(3)	
1.9.	Does the certificate holder s Airworthiness Release and Log Book Entry process include instructions and information necessary for each person who maintains, performs preventive maintenance, or alters an aircraft, to make an entry in the maintenance record that contains: SRRs: 121.135(a)(1); 43.9(a)	
1.9.1	A description (or reference to data acceptable to the Administrator) of work performed? SRRs: 43.9(a)(1)	☐ Yes ☐ No, Explain
1.9.2	The date of completion of the work performed?	Yes
1.0.2	SRRs: 43.9(a)(2)	No, Explain
1.9.3	The name of the person performing the work if other than the person who approved it for return to service? SRRs: 43.9(a)(3)	Yes
1.9.4	The signature, certificate number, and kind of certificate held by the person approving the work? SRRs: 43.9(a)(4)	☐ Yes ☐ No, Explain
1.10.	 Does the certificate holder's Airworthiness Release/Logbook Entry process comply with the guidance contained in FAA Order 8900.1, Volume 3, Chapter 32, Section 11, Paragraph 3-3382 F(13) (f) and (g)? <i>Related Design JTIs:</i> 1. The certificate holder's manual has procedures for the reporting and correction of mechanical irregularities. These procedures address the 	☐ Yes ☐ No, Explain
	determination of authorizations and qualifications of persons to perform airworthiness releases. <i>Sources:</i> FAA Order 8900.1, Volume 3, Chapter 32, Section 11,	
	Paragraph 3-3382. Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW)	

2.	Does the certificate holder's manual contain general policies for the Airworthiness Release/Logbook Entry process that comply with the SRRs?	☐ Yes ☐ No, Explain
	SRRs: 121.135(b)(1); 121.367(c); 121.709(a)(1); 121.709(a)(2); 121.709(b)(3); 121.709(c); 121.709(d); 121.709(b)(2)	
	Related Design JTIs:	
	 Check that the certificate holder's manual contains a general policy instead of restating each of the conditions of the certification required by paragraph (b) of 121.709, the air carrier may state in its manual that the signature of an authorized certificated mechanic or repairman constitutes that certification. 	
	<i>Sources:</i> 121.135(b)(1); 121.709(d)	
	Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW)	
3.	Does the certificate holder's manual reference the appropriate Federal Aviation Regulations listed in the Supplemental Information section of this safety attribute inspection (SAI)? SRRs: 121.135(b)(3)	☐ Yes ☐ No, Explain
4.	Does the certificate holder's manual contain the duties and responsibilities for personnel who will accomplish the Airworthiness Release/Logbook Entry process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
5.	Does the certificate holder's manual include instructions and information for	☐ Yes
5.	personnel to meet the requirements of the Airworthiness Release/Logbook Entry process?	No, Explain
	SRRs: 121.135(a)(1)	
	Related Design JTIs:	
	 Check that the certificate holder's manual contain instructions that the airworthiness release or log entry required by paragraph (a) of this 121.709 includes a certification that the work was performed in accordance with the requirements of the certificate holder's manual that all items required to be inspected were inspected by an authorized person who determined that the work was satisfactorily completed. <i>Sources:</i> 121.709(b)(2)(i); 121.709(b)(2)(ii) <i>Interfaces:</i> 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW) 	
	 Check that the certificate holder's manual contain instructions that the airworthiness release or log entry required by paragraph (a) of 121.709 includes a certification that no known condition exists that would make the airplane unairworthy and includes a certification that so far as the work performed is concerned, the aircraft is in condition for safe operation Sources: 121.135(b)(26); 121.709(b)(2)(iii); 121.709(b)(2)(iv) Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW) 	
	 Check that the certificate holder's manual includes instructions and information necessary to allow personnel concerned notwithstanding paragraph (b)(3) of 121.709, after maintenance, preventive maintenance, or alterations performed by a repair station certificated under the provisions of Subpart C of Part 145, the airworthiness release required by paragraph (a) of this section may be signed by a person authorized by that repair station. 	

Sources: 121.135(a)(1); 121.709(b)(3) Interfaces: 1.1.1(AW); 1.2.3(AW); 1.3.4(AW); 1.3.7(AW); 1.3.14(AW)

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	SAI Section 1 - Procedures Attribute Drop-Down Menu
1.	No procedures, policy, instructions or information specified.
2.	Procedures or instructions and information do not identify (who, what, when, where, how).
3.	Procedures, policy or instructions and information do not comply with CFR.
4.	Procedures, policy or instructions and information do not comply with FAA policy and guidance.
5.	Procedures, policy or instructions and information do not comply with other documentation (e.g., manufacturer's data, Jeppesen's Charts, etc.).
6.	Procedures, policy or instructions and information unclear or incomplete.
7.	Documentation quality (e.g., unreadable or illegible).
8.	Procedures, policy or instructions and information inconsistent across Certificate Holder manuals (FOM - Flight Operations Manual to GMM - General Maintenance Manual, etc.).
9.	Procedures, policy or instructions and information inconsistent across media (e.g., paper, microfiche, electronic).
10.	Resource requirements incomplete (personnel, facilities, equipment, technical data).
11.	Other.

SAI Section 2 - Controls Attribute

Objective: Controls are checks and restraints designed into a process to ensure a desired result. The questions in this section of the DCT are designed to assist the inspector in determining if checks and restraints are designed into the process to ensure the desired result is achieved. Controls should be written into the system to ensure that the most important policies, procedures, or instructions and information will be followed.

Controls may be in the form of administrative controls, which are secondary or supplemental written procedures. Like written procedures, administrative controls also need to provide answers to questions regarding who, what, when, where, and how. Controls may also be in the form of engineered controls, such as automated features or mechanical actions or devices (i.e., safety devices, warning devices, etc.).

Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1.	Review the control questions below.	
2.	Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the controls that it has documented.	

Questions		
	To meet this objective, the inspector must answer the following questions:	
1.	Are the following controls built into the Airworthiness Release/Logbook Entry process:	
1.1.	Is there a control or controls in place to ensure that the certificate holder and its maintenance providers prepare an airworthiness release or logbook entry in accordance with their policies and procedures?	☐ Yes ☐ No, Explain
1.2.	Is there a control or controls in place to ensure that the certificate holder maintains a record of the airworthiness release or logbook entry in accordance with its policies and procedures?	☐ Yes ☐ No, Explain
1.3.	Is there a control or controls in place to ensure that the airworthiness release or logbook entry is signed by a certificated person in accordance with the certificate holder's policies and procedures?	☐ Yes ☐ No, Explain
1.4.	Is there a control or controls in place to ensure that the airworthiness release or logbook entry is provided to the flightcrew in accordance with the certificate holder's policies and procedures?	☐ Yes ☐ No, Explain
2.	Does the certificate holder have a documented method for assessing the impact of any changes made to the controls in the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain

	SAI Section 2 - Controls Attribute Drop-Down Menu	
1.	No controls specified.	
2.	Documentation for the controls do not identify (who, what, when, where, how).	
3.	Controls incomplete.	
4.	Controls could be circumvented.	
5.	Controls could be unenforceable.	
6.	Resource requirements incomplete (personnel, facilities, equipment, technical data).	
7.	Other.	

SAI Section 3 - Process Measurement Attribute

Objective: Process measurements are used by the certificate holder to measure and assess its processes, to identify and correct problems or potential problems, and to make improvements to the processes. The questions in this section of the DCT are designed to assist the inspector in determining if the certificate holder measures or assesses information to identify, analyze, and document potential problems with the process. Process measurements are a certificate holder's internal evaluation or auditing of the most important policies, procedures, or instructions and information associated with an element.

To prevent the duplication of work, process measurements are most commonly addressed through a combination of auditing features contained in both the certificate holder's safety program/internal evaluation program (for operations and cabin safety related issues) and the auditing function of the Continuous Analysis and Surveillance System (for airworthiness or maintenance/inspection related issues). The director of safety and the quality assurance department often work together to accomplish this function for the certificate holder. This approach requires amendment of the safety program/internal evaluation program audit forms or checklists and the Continuous Analysis and Surveillance System audit forms or checklists to include the specific process measurements for each element.

Tas	Tasks			
	To meet this objective, the inspector must accomplish the following tasks:			
1.	Review the process measurement questions below.			
2.	Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the process measurements that it has documented.			

Questions		
	To meet this objective, the inspector must answer the following questions:	
1.	Does the certificate holder's Airworthiness Release/Logbook Entry process include the following process measurements:	
1.1.	Is there a process measurement or process measurements that would identify if the certificate holder or its maintenance providers failed to prepare an airworthiness release or logbook entry in accordance with their policies and procedures?	☐ Yes ☐ No, Explain
1.2.	Is there a process measurement or process measurements that would identify if the certificate holder failed to maintain a record of the airworthiness release or logbook entry in accordance with its policies and procedures?	☐ Yes ☐ No, Explain
1.3.	Is there a process measurement or process measurements that would identify if the airworthiness release or logbook entry was signed by other than a certificated person in accordance with the certificate holder's policies and procedures?	☐ Yes ☐ No, Explain
1.4.	Is there a process measurement or process measurements that would identify if the airworthiness release or logbook entry was not provided to the flightcrew in accordance with the certificate holder's policies and procedures?	☐ Yes ☐ No, Explain
2.	Is there a process measurement or process measurements that would reveal if the certificate holder s policy, procedures, instructions, and information were not	☐ Yes ☐ No, Explain

	followed?	
3.	Does the certificate holder document its process measurement results?	☐ Yes ☐ No, Explain
4.	Does the certificate holder use its process measurement results to improve its programs?	☐ Yes ☐ No, Explain
5.	Does the organization that conducts the process measurements have direct access to the person with responsibility for the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain

SAI Section 3 - Process Measurement Attribute Drop-Down Menu

- 1. No process measurements specified.
- 2. Documentation for the process measurements does not identify (who, what, when, where, how).
- 3. Inability to identify negative findings.
- 4. No provisions for implementing corrective actions.
- 5. Ineffective follow-up to determine effectiveness of corrective actions.
- 6. Resources requirements (personnel, facilities, equipment, technical data).
- 7. Other.

SAI Section 4 - Interfaces Attribute

Objective: Interfaces are used by the certificate holder to identify and manage the interactions between processes. The questions in this section of the DCT are designed to assist the inspector in determining whether or not interactions between the policies, procedures, or instructions and information associated with other independent processes within the certificate holder's organization are documented. Written policies, procedures, or instructions and information that are interrelated and located in different areas within the certificate holder's system must be consistent and complement each other. For the interfaces to be effectively managed, the certificate holder's system should identify and document the interfaces.

Tas	Tasks		
	To meet this objective, the inspector must accomplish the following tasks:		
1.	Review the interfaces associated with the Airworthiness Release/Logbook Entry process that have been identified along with the individual questions in section 1, Procedures, of this DCT.		
2.	2. Review the certificate holder's policies, procedures, instructions, and information to gain an understanding of the interfaces that it has documented.		

Questions				
	To meet this objective, the inspector must answer the following questions:			
	NOTE: The design job task items (JTIs) displayed with the questions in section 1, Procedures, of this DCT identify potential interfaces (by element number) for this element.			
1.	Does the certificate holder's system properly address the interfaces that are identified along with the questions in section 1, Procedures, of this DCT?	☐ Yes ☐ No, Explain		
2.	Does the certificate holder document a method for assessing the impact of any changes to the associated interfaces within the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain		

SAI Section 4 - Interfaces Attribute Drop-Down Menu

- 1. No interfaces specified.
- 2. The following interfaces not identified within the Certificate Holder's manual system:
- 3. Interfaces listed are inaccurate.
- 4. Specific location of interfaces not identified within the manual system.
- 5. Other

SAI Section 5 - Management Responsibility & Authority Attributes

Objective: The questions in this section address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified, and knowledgeable person who is responsible for the process, is answerable for the quality of the process, and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)

Tasks				
	To meet this objective, the inspector must accomplish the following tasks:			
1.	Identify the person who has overall responsibility for the Airworthiness Release/Logbook Entry process.			
2.	Identify the person who has overall authority for the Airworthiness Release/Logbook Entry process.			
3.	Review the duties and responsibilities of the person(s), documented in the certificate holder's manual.			
4.	Review the appropriate organizational chart.			

Que	Questions			
	To meet this objective, the inspector must answer the following questions:			
1.	Does the certificate holder clearly identify who is responsible for the quality of the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain Name/Title:		
2.	Does the certificate holder clearly identify who has authority to establish and modify the policies, procedures, instructions, and information for the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain Name/Title:		
3.	Does the certificate holder s manual include the duties and responsibilities of those who manage the work required by the Airworthiness Release/Logbook Entry Process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain		
4.	Does the certificate holder s manual include instructions and information for those who manage the work required by the Airworthiness Release/Logbook Entry process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain		
5.	Does the certificate holder clearly and completely document the responsibility for this position?	☐ Yes ☐ No, Explain		
6.	Does the certificate holder clearly and completely document the authority for this position?	☐ Yes ☐ No, Explain		
7.	Does the certificate holder clearly and completely document its qualification standards for the person having responsibility for the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain		
8.	Does the certificate holder clearly and completely document its qualification standards for the person having authority to establish and modify the certificate holder's policies, procedures, instructions, and information for the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain		

9.	Does the certificate holder clearly and completely document the procedures for delegation of authority for the Airworthiness Release/Logbook Entry process?	☐ Yes ☐ No, Explain
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SAI Section 5 - Management Responsibility & Authority Attributes Drop-Down Menu

- 1. Not documented.
- 2. Documentation unclear.
- 3. Documentation incomplete.
- 4. Other.