

**Safety Attribute Inspection (SAI) Data Collection Tool**  
**1.3.25 Cargo Handling Equipment, Systems and Appliances (AW)**

**ELEMENT SUMMARY INFORMATION**

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

- To provide an Cargo Handling Equipment Systems, Equipment and Appliances for controlling all aspects of air transportation of cargo, to include cargo build-up, weighing, load/unload of aircraft, and an inspection program and a program covering other maintenance.

**Objective** (FAA oversight):

- To determine if the certificate holder's Cargo Handling Equipment, Systems and Appliances process meets all applicable requirements of Title 14 of the Code of the Federal Regulations (14 CFR) and FAA policies.
- To determine if the certificate holder's Cargo Handling Equipment, Systems and Appliances process incorporates the safety attributes.
- To identify any shortfalls in the certificate holder's Cargo Handling Equipment, Systems and Appliances process.

**Specific Instructions:**

- Intentionally left blank

**SUPPLEMENTAL INFORMATION**

**Specific Regulatory Requirements (SRRs):**

- SRRs:
  - 121.133(a)
  - 121.135(a)(1)
  - 121.135(b)(1)
  - 121.135(b)(17)
  - 121.135(b)(19)
  - 121.135(b)(2)
  - 121.135(b)(20)
  - 121.135(b)(3)
  - 121.198
  - 121.211(b)
  - 121.221(a)
  - 121.221(b)
  - 121.221(c)
  - 121.221(c)(1)
  - 121.221(c)(2)
  - 121.221(c)(3)
  - 121.221(d)
  - 121.221(d)(1)
  - 121.221(d)(2)
  - 121.221(d)(3)
  - 121.221(d)(4)
  - 121.221(d)(5)

- SRRs:
  - 121.221(e)
  - 121.221(e)(1)
  - 121.221(e)(2)
  - 121.221(e)(3)
  - 121.221(e)(4)
  - 121.221(f)(1)
  - 121.221(f)(2)
  - 121.221(f)(3)
  - 121.221(f)(4)
  - 121.221(f)(5)
  - 121.285
  - 121.285(b)
  - 121.285(b)(1)
  - 121.285(b)(2)
  - 121.285(b)(3)
  - 121.285(b)(4)
  - 121.285(b)(5)
  - 121.285(b)(6)
  - 121.285(b)(7)
  - 121.285(b)(8)
  - 121.285(c)
  - 121.285(c)(1)
  - 121.285(c)(3)
  - 121.285(c)(4)
  - 121.285(c)(5)
  - 121.285(d)
  - 121.287
  - 121.309(c)
  - 121.309(c)(1)
  - 121.309(c)(2)
  - 121.314(a)
  - 121.314(a)(1)
  - 121.314(a)(2)
  - 121.314(a)(3)
  - 121.314(c)
  - 121.367
  - 121.369(b)
  - 21.31(a)
  - 21.31(b)
  - 21.50(b)
  - 25.561(b)(3)
  - 25.561(c)(1)
  - 25.561(c)(1)(i)
  - 25.561(c)(1)(ii)
  - 25.561(c)(1)(iii)
  - 25.561(d)
  - 25.787(b)
  - 25.787(c)
  - 25.855(a)
  - 25.855(b)
  - 25.855(c)
  - 25.855(d)
  - 25.855(e)
  - 25.855(f)
  - 25.855(g)
  - 25.857(c)(1)
  - 25.857(c)(2)

- SRRs:
  - 25.857(c)(3)
  - 25.857(c)(4)
  - 25.858
  - 25.858(d)
  - 25 App..F(a)(1)(iv)
  - 25 App..F, Part 1(a)
  - 25 App..F, Part 2(ii)
  - 25 App..FPart I (a)(2)(iv)
  - 25 App..H(b)
  - 43.13(a)
  - 43.13(c)

**Related CFRs & FAA Policy/Guidance:**

- Related CFRs:
  - Intentionally left blank
- FAA Policy/Guidance:
  - Intentionally Left Blank

### 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.).

#### 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 Cargo Handling Equipment, Systems and Appliances process.
3.	Review the certificate holder's Cargo Handling Equipment, Systems and Appliances process to ensure that it contains 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 Cargo Handling Equipment, Systems and Appliances process meet the specific regulatory and FAA policy requirements:	
1.1.	<p>Does the certificate holder's Cargo Handling Equipment, Systems and Appliances process contain current information for use and guidance of flight, ground, and management personnel?</p> <p>SRRs: 121.133(a)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has information that is kept current for use and guidance of flight operations.</p> <p><i>Sources:</i> 121.133(a)</p> <p><i>Interfaces:</i> 1.1.3(AW); 1.2.3(AW); 1.3.5(AW); 1.3.13(AW); 1.3.17(AW); 1.3.19(AW); 1.3.20(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.1(OP); 3.1.2(OP); 3.1.3(OP); 3.1.4(OP); 3.1.6(OP); 3.1.11(OP); 3.1.12(OP); 3.2.1(OP); 3.2.3(OP); 4.2.7(OP); 4.2.11(OP); 4.3.1(OP); 5.1.2(AW); 5.1.6(OP); 5.1.7(OP); 5.1.8(AW); 5.1.8(OP); 5.1.9(AW); 5.1.9(OP); 6.1.1(OP); 6.1.3(OP); 7.1.3(OP); 7.1.4(OP); 7.2.1(OP)</p> <p>2. Check that the Certificate Holder's manual system has information that is kept current for use and guidance of ground operations.</p> <p><i>Sources:</i> 121.133(a)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.1.3(AW); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.2.4(AW); 1.2.5(AW); 1.3.1(AW); 1.3.2(AW); 1.3.3(AW); 1.3.5(AW); 1.3.6(AW); 1.3.7(AW); 1.3.8(AW); 1.3.9(AW); 1.3.10(AW); 1.3.11(AW); 1.3.12(AW);</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<p>1.3.14(AW); 1.3.15(AW); 1.3.16(AW); 1.3.17(AW); 1.3.20(AW); 1.3.21(AW); 1.3.22(AW); 1.3.23(AW); 1.3.24(AW); 2.1.1(AW); 2.1.1(OP); 2.1.2(AW); 2.1.2(OP); 2.1.3(AW); 2.1.3(OP); 2.1.4(AW); 2.1.4(OP); 2.1.5(AW); 2.1.5(OP); 3.1.1(OP); 3.1.3(OP); 3.1.4(OP); 3.1.5(OP); 3.1.6(OP); 3.1.7(OP); 3.1.11(OP); 3.1.12(OP); 3.2.2(OP); 3.2.3(OP); 4.1.1(AW); 4.2.1(AW); 4.2.5(OP); 4.3.2(OP); 4.3.3(OP); 4.4.3(AW); 4.4.4(AW); 5.1.1(AW); 5.1.2(AW); 5.1.8(AW); 5.1.8(OP); 5.1.9(AW); 5.1.9(OP); 6.1.1(OP); 6.1.4(OP); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.6(AW)</p> <p>3. Check that the Certificate Holder's manual system has information that is kept current for use and guidance of management personnel in conducting its operations.</p> <p><i>Sources:</i> 121.133(a)</p> <p><i>Interfaces:</i> 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP)</p>	
1.2.	<p>Does the certificate holder's Cargo Handling Equipment, Systems and Appliances process contain the drawings and specifications necessary to define the configuration and design of the aircraft (product) used in its Cargo Handling Equipment, Systems and Appliances?</p> <p>SRRs: 121.135(a)(1); 21.31(a); 21.31(b)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and information to personnel ensuring that drawings and specifications necessary to define the configuration and the design features of the aircraft loading systems to show that they comply with the requirements of type design are maintained.</p> <p><i>Sources:</i> 121.135(a)(1); 21.31(a); 21.31(b)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.10(AW); 1.3.17(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.3.	<p>Does the certificate holder's Cargo Handling Equipment, Systems and Appliances process contain instructions for continued airworthiness for its aircraft (product), which are made available to any person who is required to comply with those instructions?</p> <p>SRRs: 121.135(b)(17); 43.13(a); 43.13(c); 21.50(b)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual has instructions and procedures that it will retrieve and include original and updated manufacturer's Instructions for Continued Airworthiness, i.e., TC's, STC's, or other FAA approved data as they apply to products, articles, and parts.</p> <p><i>Sources:</i> 121.135(b)(16); 21.50(b); 43.13(a); 43.13(c)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.4.	<p>When the certificate holder carries cargo in the passenger compartment, does the certificate holder's Cargo Handling Equipment, Systems and Appliances process contain procedures to ensure proper restraint of cargo carried within the passenger compartment so that if they break loose, they will be unlikely to:</p> <p>SRRs: 25.561(c)(1)</p>	
1.4.1	<p>Cause direct injury to occupants?</p>	<input type="checkbox"/> Yes

	SRRs: 25.561(c)(1)(i)	<input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.4.2	Penetrate fuel tanks or lines or cause fire or explosion hazard by damage to adjacent systems? SRRs: 25.561(c)(1)(ii)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.4.3	Nullify any of the escape facilities provided for use after an emergency landing? SRRs: 25.561(c)(1)(iii)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.5.	Does the certificate holder that carries cargo in a passenger compartment state in its Cargo Handling Equipment, Systems and Appliances process that when positioning of cargo or large masses is not practical (e.g., fuselage-mounted engines or auxiliary power units), each such item of mass shall be restrained under all loads up to those specified in 14 CFR Section 25.561(b)(3)? [NOTE: The local attachments for these items should be designed to withstand 1.33 times the specified loads if these items are subject to severe wear and tear through frequent removal (e.g., quick change interior items).] SRRs: 25.561(b)(3)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.6.	Does the certificate holder who carries cargo in a passenger compartment state in its Cargo Handling Equipment, Systems and Appliances process that seats and items of mass (and their supporting structure) does not deform under any loads? SRRs: 25.561(d)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.7.	Does the certificate holder's Cargo Handling Equipment, Systems and Appliances process describe the aircraft airworthiness requirements when it operates (for cargo service only) at increased zero fuel and landing weights specific aircraft certificated under Part 4B of the Civil Air Regulations? SRRs: 121.198 <i>Related Design JTIs:</i> 1. Check that the Certificate Holder's manual system includes procedures, If applicable, specifying how certain transport category cargo service airplanes may have increased zero fuel and landing weights on the following airplanes: (1) DC-6A, DC-6B, DC-7B, and DC-7C; and (2) L1049B, C, D, E, F, G, and H, and the L1649A when modified in accordance with supplemental type certificate SA 4-1402. In accordance with the requirements of FAR 121.198. <i>Sources:</i> 121.198 <i>Interfaces:</i> 1.1.1(AW); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.3.1(AW); 1.3.2(AW); 1.3.3(AW); 1.3.9(AW); 1.3.14(AW); 1.3.15(AW); 1.3.17(AW); 2.1.2(AW); 2.1.2(OP); 3.1.9(OP); 3.2.1(OP); 3.2.2(OP); 4.1.1(AW); 7.1.1(AW); 7.1.2(AW); 7.1.3(AW); 7.1.3(OP); 7.1.4(OP); 7.1.5(OP); 7.1.6(AW)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.	When operating an airplane that was type certificated under Aero Bulletin 7A or Part 04 of the Civil Air Regulations in effect before November 1, 1946, does the certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations: SRRs: 121.135(b)(17); 121.211(b)	
1.8.1	Specify that when compartment(s) are used for storing cargo or baggage they	<input type="checkbox"/> Yes

	<p>meet design requirements? SRRs: 121.221(a) <i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder has a requirement, at a minimum, outlined in their Letter of Compliance, to ensure that no compartment used for storing cargo or baggage may include controls, wiring, lines, equipment, or accessories that would upon damage or failure, affect the safe operation of the airplane unless the item is adequately shielded, isolated, or otherwise protected so that it cannot be damaged by movement of cargo in the compartment and so that damage to or failure of the item would not create a fire hazard in the compartment. <i>Sources:</i> 121.221(a)(1) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.2(AW); 1.2.3(AW); 1.2.5(AW); 1.3.1(AW); 1.3.2(AW); 1.3.3(AW); 1.3.5(AW); 1.3.9(AW); 1.3.11(AW); 1.3.14(AW); 1.3.15(AW); 3.1.5(OP); 3.2.3(OP); 7.1.1(AW); 7.1.6(AW); 7.2.1(OP)</li> </ol>	<input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.2	<p>Specify that when a fire within a cargo or baggage compartment is readily discernible to a crewmember while at his/her station, and all parts of the compartment are easily accessible in flight, the compartment is classified as category "A"? SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(b) <i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that all aircraft, which contain Class A cargo compartments, have approved fire extinguishers available. <i>Sources:</i> 121.135(a)(1); 121.221(b)(2); 25.851(a)(3); 25.851(a)(5) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW); 2.1.2(AW); 2.1.2(OP); 3.1.8(OP)</li> <li>2. Check that the Certificate Holder has a requirement, at a minimum, outlined in their Letter of Compliance, to ensure that a fire in a Class A cargo and baggage compartment would be readily discernible to a member of the crew while at his station. <i>Sources:</i> 121.221(b)(1) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.2(AW); 1.2.3(AW); 1.2.5(AW); 1.3.1(AW); 1.3.2(AW); 1.3.3(AW); 1.3.5(AW); 1.3.9(AW); 1.3.11(AW); 1.3.14(AW); 1.3.15(AW); 3.1.5(OP); 3.2.3(OP); 7.1.1(AW); 7.1.6(AW); 7.2.1(OP)</li> </ol>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.3	<p>Specify that if enough access is provided while in flight to enable a crewmember to effectively reach all of the compartment and its contents with a hand fire extinguisher, and the compartment is so designed that when the access provisions are being used no hazardous amount of smoke, flames, or extinguishing agent enters any compartment occupied by the crew or passengers, the compartment is classified as category "B"? SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(c)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.4	<p>Specify that each cargo or baggage compartment classified as category "B" has a separate approved smoke or fire detector system to give warning at the pilot or flight engineer station? SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(c)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	<p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures to maintain the integrity of any device intended to preclude any hazardous quantity of smoke, flames, or extinguishing agent from entering any compartment occupied by the crew or passengers as applicable to cargo compartments.</p> <p><i>Sources:</i> 121.221(c); 121.221(d); 121.221(e); 25.857(b)(2)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	
1.8.5	<p>Specify that each cargo or baggage compartment classified as category "B" has a hand fire extinguisher available for the compartment?</p> <p>SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(c)(2)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that all aircraft, which contain Class B cargo compartments, have approved fire extinguishers available.</p> <p><i>Sources:</i> 121.135(a)(1); 121.221(c)(2); 25.851(a)(3); 25.851(a)(5)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW); 2.1.2(AW); 2.1.2(OP); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.6	<p>Specify that each cargo or baggage classified as category "B" is lined with fire-resistant material, except that an additional service lining of flame-resistant material may be used?</p> <p>SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(c)(3)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.7	<p>Specify that if a cargo or baggage compartment does not conform to the requirements for the "A", "B", "D", or "E" categories, it is classified as category "C"?</p> <p>SRRs: 121.135(a)(1); 121.135(b)(17); 121.221(d)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures to maintain the integrity of any device intended to preclude any hazardous quantity of smoke, flames, or extinguishing agent from entering any compartment occupied by the crew or passengers as applicable to cargo compartments.</p> <p><i>Sources:</i> 121.221(c); 121.221(d); 121.221(e); 25.857(b)(2)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.8	<p>Specify that each category "C" cargo or baggage compartment has a separate approved smoke or fire detector system to give warning at the pilot or flight engineer station?</p> <p>SRRs: 121.221(d)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.9	<p>Specify that each category "C" cargo or baggage compartment has an approved built-in fire-extinguishing system controlled from the pilot or flight engineer station?</p> <p>SRRs: 121.221(d)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.10	<p>Specify that each category "C" cargo or baggage compartment is designed to exclude hazardous quantities of smoke, flames, or extinguishing agents from entering into any compartment occupied by the crew or passengers?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable



	<p>SRRs: 121.221(d)(3)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures that identifies the approved means for Class C or E compartments to exclude hazardous quantities of smoke, flames, or extinguishing agent, from any compartment occupied by the crew or passengers, as applicable to the specific aircraft. If the means is an approved installed device, check that the Certificate Holder's manual system has information appropriate to ensure the approved device is maintained to its intended function as defined by the ICAW.</p> <p><i>Sources:</i> 121.135(b)(16); 121.221(d)(3); 121.221(f)(4); 25.857(c)(3); 25.857(e)(4)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW)</p>	
1.8.11	<p>Specify that each category "C" cargo or baggage compartment controls ventilation and draft so that the extinguishing agent provided can control any fire that may start in the compartment?</p> <p>SRRs: 121.221(d)(4)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures that identifies the means to control ventilation and drafts within the Class C compartment so that the extinguishing agent used can control any fire that may start within the compartment. Ensure that the Certificate Holder's manual system has information appropriate to maintain the approved systems as defined by the ICAW.</p> <p><i>Sources:</i> 121.135(b)(16); 121.221(d)(4); 25.857(c)(4)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.12	<p>Specify that each category "C" cargo or baggage compartment is lined with fire-resistant material, except that an additional service lining of flame-resistant material may be used?</p> <p>SRRs: 121.221(d)(5)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.13	<p>Specify that each cargo and baggage compartment classified in the "D" category is so designed and constructed that a fire occurring therein will be completely confined without endangering the safety of the airplane or the occupants?</p> <p>SRRs: 121.221(e)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures to maintain the integrity of any device intended to preclude any hazardous quantity of smoke, flames, or extinguishing agent from entering any compartment occupied by the crew or passengers as applicable to cargo compartments.</p> <p><i>Sources:</i> 121.221(c); 121.221(d); 121.221(e); 25.857(b)(2)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.14	<p>Specify that each Class "D" compartment has a means to exclude hazardous quantities of smoke, flames, or noxious gases from entering any compartment</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	occupied by the crew or passengers? SRRs: 121.221(e)(1)	<input type="checkbox"/> Not Applicable
1.8.15	Specify that each Class "D" compartment has a means of controlling ventilation and drafts within each compartment so that any fire likely to occur in the compartment will not progress beyond safe limits? SRRs: 121.221(e)(2)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.16	Specify that each Class "D" compartment is completely lined with fire-resistant material? SRRs: 121.221(e)(3)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.17	Specify that for each Class "D" compartment consideration is given to the effect of heat within the compartment on adjacent critical parts of the airplane?  SRRs: 121.221(e)(4)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.18	Specify that on airplanes used for the carriage of cargo only, if the cabin area is classified as a Class "E" compartment, the cabin area is completely lined with fire-resistant material? SRRs: 121.221(f)(1)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.19	Specify that on airplanes used for the carriage of cargo only, if the cabin area is classified as a Class "E" compartment, it has a separate system of an approved type of smoke or fire detector to give warning at the pilot or flight engineer station? SRRs: 121.221(f)(2)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.20	Specify that on airplanes used for the carriage of cargo only, if the cabin area is classified as a Class "E" compartment, it has a means to shut off the ventilating air flow to or within the compartment and the controls for that means are accessible to the flight crew in the crew compartment? SRRs: 121.221(f)(3) <i>Related Design JTIs:</i> 1. Check that the Certificate Holder's manual system has instructions and procedures that identifies the means to shut off the ventilating airflow to, or within, the Class E compartment, and the controls for these means are accessible to the flight crew in the crew compartment. Ensure that the Certificate Holder's manual system has information appropriate to maintain the approved systems as defined by the ICAW. <i>Sources:</i> 121.135(b)(16); 121.221(f)(3); 25.857(e)(3) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.21	Specify that on airplanes used for the carriage of cargo only, if the cabin area is classified as a Class "E" compartment, it has a means to exclude hazardous quantities of smoke, flames, or noxious gases from entering the flight crew compartment? SRRs: 121.221(f)(4)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.8.22	Specify that on airplanes used for the carriage of cargo only, if the cabin area is classified as a Class "E" compartment, it has required crew emergency exits accessible under all cargo loading conditions? SRRs: 121.221(f)(5)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.	When carrying cargo anywhere in the passenger compartment, does the	

	<p>certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations specify that:</p> <p>SRRs: 121.285(b); 121.367</p>	
1.9.1	<p>Approved cargo bins in the passenger compartment will withstand the load factors and emergency landing conditions applicable to the passenger seats of the airplane in which the bin is installed, multiplied by a factor of 1.15, using the combined weight of the bin and the maximum weight of cargo that may be carried in the bin?</p> <p>SRRs: 121.285(b)(1)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes procedures that if cargo is carried anywhere in the passenger compartment, the bin must withstand the load factors and emergency landing conditions applicable to the passenger seats of the airplane in which the bin is installed, multiplied by a factor of 1.15, using the combined weight of the bin and the maximum weight of cargo that may be carried in the bin.</li> </ol> <p><i>Sources:</i> 121.135(b)(20); 121.285(b)(1)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.3.1(AW); 1.3.5(AW); 1.3.14(AW); 1.3.17(AW); 2.1.2(AW); 2.1.2(OP); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP); 3.2.3(OP); 7.2.1(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.2	<p>Approved cargo bins in the passenger compartment are approved for the maximum weight of the cargo that the bin is to carry?</p> <p>SRRs: 121.285(b)(2)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes instructions and information to personnel to ensure that only approved bins are used to carry cargo in the passenger compartment. The bin must contain instructions necessary to ensure proper weight distribution and the maximum weight of the cargo must be conspicuously marked on the bin.</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(b)(2)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.3	<p>Approved cargo bins in the passenger compartment are conspicuously marked on the bin for the maximum weight of cargo that the bin is approved to carry and any instructions necessary to ensure proper weight distribution within the bin?</p> <p>SRRs: 121.285(b)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.4	<p>Approved cargo bins in the passenger compartment impose only a load on the floor or other structure of the airplane that is within the load limitations of that structure?</p> <p>SRRs: 121.285(b)(3)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes procedures that if cargo is carried anywhere in the passenger compartment, the bin may not impose any load on the floor or other structure of the airplane that exceeds the load limitations of that structure.</li> </ol>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	<p><i>Sources:</i> 121.135(b)(20); 121.285(b)(3)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.3.1(AW); 1.3.5(AW); 1.3.14(AW); 1.3.17(AW); 2.1.2(AW); 2.1.2(OP); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP); 3.2.3(OP); 7.2.1(OP)</p>	
1.9.5	<p>Approved cargo bins in the passenger compartment that are attached to the seat tracks or to the floor structure of the airplane and its attachment will withstand the load factors and emergency landing conditions applicable to the passenger seats of the airplane, multiplied by either the factor 1.15 or the seat attachment factor specified for the airplane, whichever is greater, using the combined weight of the bin and the maximum weight of cargo that may be carried in the bin?</p> <p>SRRs: 121.285(b)(4)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes instructions and information to personnel to ensure that cargo bins installed in the passenger compartment are properly attached to the seat tracks or to the floor structure of the airplane. The method of attachment must be in accordance with OEM instruction or other approved data.</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(b)(4)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.6	<p>Approved cargo bins in the passenger compartment are installed in a position that permits access to or use of any required emergency exit, or of the aisle in the passenger compartment?</p> <p>SRRs: 121.285(b)(5)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that no bin, used for the Air Cargo Operations within the passenger compartment, is installed that would restrict access to any required emergency exit, or aisle in the passenger compartment.</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(b)(5)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.7	<p>Approved cargo bins in the passenger compartment are fully enclosed and made of material that is at least flame resistant?</p> <p>SRRs: 121.285(b)(6)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has a procedure to ensure that if cargo is carried anywhere in the passenger compartment, the bin must be fully enclosed and made of material that is at least flame resistant.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.285(b)(6)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.3.1(AW); 1.3.5(AW); 1.3.14(AW); 1.3.17(AW); 2.1.2(AW); 2.1.2(OP); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP); 3.2.3(OP);</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	7.2.1(OP)	
1.9.8	<p>Approved cargo bins in the passenger compartment contain suitable safeguards within the approved cargo bin to prevent the cargo from shifting under emergency landing conditions?</p> <p>SRRs: 121.285(b)(7)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has a procedure to ensure that if cargo is carried anywhere in the passenger compartment, suitable safeguards must be provided within the bin to prevent the cargo from shifting under emergency landing conditions.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.285(b)(7)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.2.1(AW); 1.2.2(AW); 1.2.3(AW); 1.3.1(AW); 1.3.5(AW); 1.3.14(AW); 1.3.17(AW); 2.1.2(AW); 2.1.2(OP); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP); 3.2.3(OP); 7.2.1(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.9.9	<p>Approved cargo bins in the passenger compartment are installed in a position that allows any passenger a clear view of the "seat belt" sign, "no smoking" sign, or any required exit sign, unless an auxiliary sign or other approved means for proper notification of the passenger is provided?</p> <p>SRRs: 121.285(b)(8)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that no bin will be installed in a position that obscures any passenger's view of the "seat belt" sign, "no smoking" sign, or any required exit sign, unless an auxiliary sign or other approved means for proper notification of the passenger is provided.</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(b)(8)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.10.	<p>For carrying cargo aft of a bulkhead or divider in the passenger compartment, does the certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations ensure that:</p> <p>SRRs: 121.285(c); 121.367</p>	
1.10.1	<p>Approved restraints are available to restrain the cargo to the load factors of Upward 3.0g; Forward 9.0g; Sideward 3.0g on the airframe and 4.0g on the seats and their attachments; Downward 6.0g; and Rearward 1.5g?</p> <p>SRRs: 121.285(c); 25.561(b)(3)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system contains instructions and information to personnel for cargo, carried aft of a bulkhead or divider in any passenger compartment, ensure it is restrained to the load factors in Sec. 25.561(b)(3). The Certificate Holder is responsible for providing acceptable data to ensure safety belt or tiedown devices will meet the load factors in Sec. 25.561(b)(3).</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(c)(1)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	<p>2. Check that the Certificate Holder's manual system contains instructions and information to personnel that cargo may be carried aft of a bulkhead or divider in any passenger compartment, provided the cargo is restrained to the load factors in Sec. 25.561(b)(3) and is covered in a manner to avoid possible injury to passengers and passenger compartment occupants.</p> <p><i>Sources:</i> 121.135(b)(26); 121.285(c)(2)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	
1.10.2	<p>A safety belt or other tiedown is provided that has enough strength to eliminate the possibility of shifting under all normally anticipated flight and ground conditions?</p> <p>SRRs: 121.285(c)(1)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system contains instructions and information to personnel that when cargo is carried aft of a bulkhead or divider in any passenger compartment, ensure it is properly secured by a safety belt or other tiedown have enough strength to eliminate the possibility of shifting under all normally anticipated flight and ground conditions.</p> <p><i>Sources:</i> 121.135(a)(1); 121.285(c)(1)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.10.3	<p>The cargo will not impose load on seats or the floor structure that exceeds the load limitation for those components?</p> <p>SRRs: 121.285(c)(3)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system includes procedures that if cargo is carried anywhere in the passenger compartment provided the cargo it does not impose any load on seats or the floor structure that exceeds the load limitation for those components.</p> <p><i>Sources:</i> 121.135(b)(20); 121.285(c)(3)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 2.1.2(AW); 2.1.2(OP); 3.1.1(OP); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP); 3.2.3(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.10.4	<p>The cargo location does not restrict access to or the use of any required emergency or regular exit, or of the aisle in the passenger compartment?</p> <p>SRRs: 121.285(c)(4)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that no cargo carried in passenger compartment, aft of a bulkhead or divider, is installed so that it does not restrict access to any required emergency exit, or of the aisle in the passenger compartment.</p> <p><i>Sources:</i> 121.135(a)(1); 121.285(c)(4)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

1.10.5	<p>The cargo location does not obscure any passengers view of the "seat belt" sign, "no smoking" sign, or required exit sign, unless an auxiliary sign or other approved means for proper notification of the passenger is provided?</p> <p>SRRs: 121.285(c)(5)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that cargo loaded in the passenger compartment, aft of a bulkhead or divider, does not obscure any passenger's view of the "seat belt" sign, "no smoking" sign, or required exit sign, unless an auxiliary sign or other approved means for proper notification of the passenger is provided.</li> </ol> <p><i>Sources:</i> 121.135(a)(1); 121.285(c)(5)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 3.1.8(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.11.	<p>When carry-on baggage is carried in the passenger compartment of a nontransport category airplane certificated after December 31, 1964, does the certificate holder's Cargo Handling Equipment, Systems and Appliances process specify that the baggage must be carried and secured by an approved means?</p> <p>SRRs: 121.285(d)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.285(d)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <ol style="list-style-type: none"> <li>2. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means. For cargo, it is properly secured by a safety belt or other tie-down having enough strength to eliminate the possibility of shifting under all normally anticipated flight and ground conditions, or for carry-on baggage, it is restrained so as to prevent its movement during air turbulence.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.285(d)(1)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <ol style="list-style-type: none"> <li>3. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, it is packaged or covered to avoid possible injury to occupants.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.285(d)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	<p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <p>4. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, it does not impose any load on seats or in the floor structure that exceeds the load limitation for those components.</p> <p><i>Sources:</i> 121.135(b)(26); 121.285(d)(3)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <p>5. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, it is not located in a position that obstructs the access to, or use of, any required emergency or regular exit, or the use of the aisle between the crew and the passenger compartment, or is located in a position that obscures any passenger's view of the "seat belt" sign, "no smoking" sign or placard, or any required exit sign, unless an auxiliary sign or other approved means for proper notification of the passengers is provided.</p> <p><i>Sources:</i> 121.135(b)(24); 121.285(d)(4)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <p>6. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, it is not carried directly above seated occupants.</p> <p><i>Sources:</i> 121.135(b)(24); 121.285(d)(5)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <p>7. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, it is stowed in compliance with this section for takeoff and landing.</p> <p><i>Sources:</i> 121.135(b)(24); 121.285(d)(6)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p> <p>8. Check that the Certificate Holder's manual system includes procedures to ensure that cargo, including carry-on baggage, carried anywhere in the passenger compartment of a nontransport category airplane type certificated after December 31, 1964, is carried in an approved cargo rack, bin, or compartment installed in or on the airplane, and is secured by an approved means, for cargo-only</p>	
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	<p>operations, paragraph (d)(4) of this section does not apply if the cargo is loaded so that at least one emergency or regular exit is available to provide all occupants of the airplane a means of unobstructed exit from the airplane if an emergency occurs.</p> <p><i>Sources:</i> 121.135(b)(24); 121.285(d)(7)</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.1.2(OP); 3.1.5(OP); 3.2.2(OP)</p>	
1.12.	<p>When cargo is carried in cargo compartments that are designed to require the physical entry of a crewmember to extinguish any fire that may occur in flight, does the certificate holder's Cargo Handling Equipment, Systems and Appliances process specify that the cargo must be loaded so as to allow a crewmember to effectively reach all parts of the compartment with the contents of a hand fire extinguisher?</p> <p>SRRs: 121.287</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual system includes procedures to ensure that when cargo is carried in cargo compartments that are designed to require the physical entry of a crewmember to extinguish any fire that may occur during flight, the cargo must be loaded so as to allow a crewmember to effectively reach all parts of the compartment with the contents of a hand fire extinguisher.</li> </ol> <p><i>Sources:</i> 121.135(b)(26); 121.287</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.17(AW); 3.2.2(OP); 4.2.3(OP); 4.2.4(OP); 5.1.1(AW); 5.1.5(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.13.	<p>Does the certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations specify that hand fire extinguishers of an approved type will be provided for use in cargo compartments in accordance with the following:</p> <p>SRRs: 121.367; 121.309(c)</p>	
1.13.1	<p>The type and quantity of extinguishing agent must be suitable for the kinds of fires likely to occur in the compartment where the extinguisher is intended to be used?</p> <p>SRRs: 121.309(c)(1)</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder has a requirement that hand fire extinguishers of an approved type must be provided for use in crew, passenger, cargo, and galley compartments. The type and quantity of extinguishing agent must be suitable for the kinds of fires likely to occur in the compartment where the extinguisher is intended to be used and, for passenger compartments, must be designed to minimize the hazard of toxic gas concentrations.</li> </ol> <p><i>Sources:</i> 121.309(c)(1); AC 20-42C</p> <p><i>Interfaces:</i> 1.1.2(AW); 1.1.2(OP); 1.3.2(AW); 1.3.10(AW); 4.2.3(OP); 4.2.4(OP)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.13.2	<p>At least one hand fire extinguisher must be conveniently located for use in each Class "E" cargo compartment that is accessible to crewmembers during flight?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

	<p>SRRs: 121.309(c)(2)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder manual system has instructions and information that at least one hand fire extinguisher conveniently located for use in each Class E cargo compartment that is accessible to crewmembers during flight. Each fire extinguisher must be approved.</p> <p><i>Sources:</i> 121.135(a)(1); 121.309(c)(2); 25.851(a)(5)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	
1.14.	<p>When operating a transport category airplane that was type certificated after January 1, 1958, does the certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations specify that:</p> <p>SRRs: 121.314(a); 121.367</p>	
1.14.1	<p>Each Class "C" or Class "D" cargo or baggage compartment, as defined in 14 CFR Section 25.857 in effect on June 16, 1986 (see Appendix L to this part), that is greater than 200 cubic feet in volume has ceiling and sidewall liner panels that are constructed of glass-fiber reinforced resin?</p> <p>SRRs: 121.314(a)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.2	<p>Each Class "C" or Class "D" cargo or baggage compartment, as defined in 14 CFR Section 25.857 in effect on June 16, 1986 (see Appendix L to this part), that is greater than 200 cubic feet in volume, has ceiling and sidewall liner panels that are constructed of materials that meet the test requirements of 14 CFR Part 25, Appendix F Part III, or, in the case of liner installations approved prior to March 20, 1989, aluminum?</p> <p>SRRs: 121.314(a)(2); 121.314(a)(3)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.3	<p>Each Class "D" cargo or baggage compartment has a separate approved smoke detector or fire detector system to give warning at the pilot or flight engineer station regardless of volume?</p> <p>SRRs: 121.314(c); 25.857(c)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.4	<p>Each Class "D" cargo or baggage compartment has an approved built-in fire extinguishing or suppression system controllable from the cockpit?</p> <p>SRRs: 121.314(c); 25.857(c)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.5	<p>Each Class "D" cargo or baggage compartment has a means to exclude hazardous quantities of smoke, flames, or extinguishing agent from any compartment occupied by the crew or passengers?</p> <p>SRRs: 121.314(c); 25.857(c)(3)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.6	<p>Each Class "D" cargo or baggage compartment has a means to control ventilation and drafts within the compartment so that the extinguishing agent used can control any fire that may start within the compartment?</p> <p>SRRs: 121.314(c); 25.857(c)(4)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.7	<p>Each Class "D" cargo or baggage compartment has a detection system that provides a visual indication to the flight crew within one minute after the start of a fire?</p> <p>SRRs: 121.314(c); 25.858</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.8	<p>Each Class "D" cargo or baggage compartment has a system that is capable of detecting a fire at a temperature significantly below that at which the structural integrity of the airplane is substantially decreased?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not

	SRRs: 121.314(c); 25.858	Applicable
1.14.9	Each Class "D" cargo or baggage compartment has a means to allow the crew to check in flight the functioning of each fire detector circuit? SRRs: 121.314(c); 25.858	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.10	It has been shown that for each Class "D" cargo or baggage compartment, the effectiveness of the fire detection system applies to all approved operating configurations and conditions? SRRs: 121.314(c); 25.858(d)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.	Does the certificate holder's inspection program and the program covering other maintenance, preventive maintenance, and alterations of airplanes, including airframes, appliances, emergency equipment, and parts thereof: SRRs: 121.369(b); 121.367 <i>Related Design JTIs:</i> 1. Check that the Certificate Holder manual system has instructions and information to personnel regarding the maintenance and inspection program covering all components associated with Air Cargo Operations. The program covering maintenance, preventive maintenance, and alterations of all components associated with the Air Cargo Operations ensures maintenance, preventive maintenance, and alterations performed by it, or by other persons, are performed in accordance with the Certificate Holder's manual. <i>Sources:</i> 121.135(a)(1); 121.367(a) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.7(AW); 1.3.9(AW); 1.3.14(AW)	
1.15.1	Specify that cargo and baggage tiedown equipment, including containers, bins, pallets, etc., used in passenger or crew compartments, may not have an average burn rate greater than 2.5 inches per minute when tested horizontally in accordance with the applicable portions of 14 CFR Part 25, Appendix F?  SRRs: 25 App..F(a)(1)(iv)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.2	Specify that tiedown equipment (including containers, bins, and pallets) used in each cargo or baggage compartment, not occupied by a crewmember or passenger, must be constructed of materials that have a burn rate less than 4.0 inches per minute when tested horizontally in accordance with the applicable requirements of 14 CFR Part 25, Appendix F? SRRs: 121.135(a)(1); 121.135(b)(17); 25 App..FPart I (a)(2)(iv) <i>Related Design JTIs:</i> 1. Check that the Certificate Holder's manual has instructions and information to ensure that all insulation blankets, covers, tie-down equipment, including containers, bins, and pallets, used in each cargo and baggage compartment used to protect cargo are verified to be constructed of materials that meet the requirements of FAR Part 25, Appendix F. <i>Sources:</i> 121.135(a)(1); 121.221(a)(3); 25 App..FPart I (a)(2)(iv) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.7(AW); 1.3.17(AW); 4.2.6(OP)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.3	Specify that the instructions for continued airworthiness for each airplane must include the instructions for continued airworthiness for each appliance required	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<p>by 14 CFR Chapter 1 and any required information relating to the interface of those appliances and products with the airplane?</p> <p>SRRs: 25 App..H(b)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual contains instructions and procedures to ensure that the Instructions for Continued Airworthiness for each airplane include the Instructions for Continued Airworthiness for each appliance article, and product and any required information relating to the interface of those appliances, articles, and products with the airplane. If the manufacturer of an appliance, article, or product installed in the airplane does not supply Instructions for Continued Airworthiness, the Instructions for Continued Airworthiness for the airplane must include the information essential to the continued airworthiness of the airplane.</p> <p><i>Sources:</i> 121.135(b)(16); 21.31(c); 25 App..H(b)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.14(AW); 1.3.17(AW); 2.1.5(AW); 2.1.5(OP)</p>	
1.15.4	<p>Specify that if instructions for continued airworthiness are not supplied by the manufacturer of an appliance or product installed in the airplane, the instructions for continued airworthiness for the airplane must include the information essential to the continued airworthiness of the airplane?</p> <p>SRRs: 25 App..H(b); 25 App..F(a)(1)(iv)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.15.5	<p>Specify that there must be a means to prevent the contents in the cargo compartments or bins from becoming a hazard by shifting under the loads specified in 14 CFR Section 25.787(a)?</p> <p>SRRs: 25.787(b)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder's manual system has instructions and procedures to ensure that the approved equipment designed to prevent the contents in cargo compartments or bins from becoming a hazard by shifting under normal ground and flight movement, he not been altered or removed without approval.</p> <p><i>Sources:</i> 121.135(b)(20); 25.787(b)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.5(AW); 1.3.7(AW); 1.3.14(AW); 1.3.17(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.6	<p>Specify if stowage compartments using a latched door in the passenger cabin and/or crew compartment are used, the design must take into consideration the wear and deterioration expected in service?</p> <p>SRRs: 25.787(b)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.7	<p>Specify that if cargo compartment lamps are installed, each lamp must be installed so as to prevent contact between the lamp bulb and cargo?</p> <p>SRRs: 25.787(c)</p> <p><i>Related Design JTIs:</i></p> <p>1. Check that the Certificate Holder has instructions and information to personnel that will ensure that the installation of cargo compartment lamp protective covers is maintained.</p> <p><i>Sources:</i> 121.135(a)(1); 25.787(c)</p> <p><i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

1.15.8	Specify that each cargo and baggage compartment not occupied by crew or passengers must meet one of the class requirements of 14 CFR Section 25.857? SRRs: 25.855(a)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.9	Specify that each Class "B" through Class "E" cargo and baggage compartment not occupied by crew or passengers must have a liner that meets the requirements of 14 CFR Part 25, Appendix F Part 1, (a)(1)(ii), and the liner must be separated from (except for attachments) the airplane structure? SRRs: 25.855(b); 25 App..F, Part 1(a); 25 App..F, Part 2(ii)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.10	Specify that each Class "C" cargo and baggage compartment not occupied by crew or passengers must have ceiling and sidewall liner panels that meet the test requirements of 14 CFR Part 25, Appendix F part III or other approved equivalent methods? SRRs: 25.855(c)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.11	Specify that each cargo and baggage compartment not occupied by crew or passengers must have all other materials used in the construction of the cargo or baggage compartment that meet the applicable test criteria prescribed in 14 CFR Part 25, Appendix F part I or other approved equivalent methods? SRRs: 25.855(d)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.12	Specify that each cargo and baggage compartment not occupied by crew or passengers must not contain any controls, wiring, lines, equipment, or accessories whose damage or failure would affect safe operation, unless those items are protected to avoid being damaged by the movement of cargo in the compartment, and their breakage or failure will not create a fire hazard?  SRRs: 25.855(e) <i>Related Design JTIs:</i> 1. Check that the Certificate Holder's manual system has procedures to ensure that the cargo interior protective device or limitation, which prevents the movement of cargo in the compartment, and protects any controls, wiring, lines, equipment, or accessory whose damage or failure would affect the safe operation of the airplane, is maintained in accordance with the OEM, STC holder's, or other FAA approved data instructions as applicable.  <i>Sources:</i> 121.135(b)(16); 121.135(b)(19); 25.855(e)(1) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.13	Specify that each cargo and baggage compartment not occupied by crew or passengers must have a means to prevent cargo or baggage from interfering with the functioning of the fire protective features of the compartment? SRRs: 25.855(f) <i>Related Design JTIs:</i> 1. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that cargo or baggage will not interfere with the functioning of the fire protective feature of the compartment.  <i>Sources:</i> 121.135(a)(1); 121.221(a)(2); 25.855(f) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.7(AW)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

1.15.14	Specify that each cargo and baggage compartment not occupied by crew or passengers must have sources of heat within the compartment shielded and insulated to prevent igniting the cargo or baggage? SRRs: 25.855(g)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.16.	<p>Does the certificate holder's inspection program for appliances and parts thereof contain airworthiness inspections, including instructions covering procedures, standards, responsibilities, and authority of inspection personnel?</p> <p>SRRs: 121.135(b)(19); 121.369(b); 121.367</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder manual system has instructions and information to personnel regarding the maintenance and inspection program covering ULD's and associated buildup equipment. The program covering maintenance, preventive maintenance, and alterations of ULD's and associated buildup equipment that ensures maintenance, preventive maintenance, and alterations performed by it, or by other persons, is performed in accordance with the Certificate Holder's manual. <i>Sources:</i> 121.135(a)(1); 121.367(a) <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.7(AW); 1.3.9(AW); 1.3.14(AW)</li> <li>2. Check that the Certificate Holder manual system instructions and information regarding a training program for maintenance personnel responsible for the proper performance of maintenance, preventive maintenance, and alterations of cargo handling systems and related equipment. <i>Sources:</i> 121.135(a)(1); 121.367(b); 121.375 <i>Interfaces:</i> 1.3.1(AW); 1.3.2(AW); 1.3.7(AW); 1.3.14(AW); 4.2.1(AW)</li> <li>3. Check that the Certificate Holder's manual system instructions and information that adequate facilities and equipment, that provides for the proper performance of maintenance, preventive maintenance, and alterations of cargo handling systems and related equipment. <i>Sources:</i> 121.135(a)(1); 121.367(b) <i>Interfaces:</i> 1.3.1(AW); 1.3.2(AW); 1.3.7(AW); 1.3.14(AW)</li> </ol>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.17.	<p>Does the certificate holder's program covering other maintenance, preventive maintenance, and alterations contain instructions and procedures for the performance of maintenance and preventive maintenance of Cargo Handling Equipment, Systems and Appliances?</p> <p>SRRs: 121.135(b)(17); 121.369(b); 121.367</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.	<p>Does the certificate holder's manual contain general policies for the Cargo Handling Systems, Equipment and Appliances process that comply with the SRRs?</p> <p>SRRs: 121.135(b)(1); 121.135(b)(20); 121.211(b); 121.309(c)(1); 121.309(c)(2); 121.314(c); 121.369(b); 121.367; 121.285</p> <p><i>Related Design JTIs:</i></p> <ol style="list-style-type: none"> <li>1. Check that the Certificate Holder's manual has a policy that except as provided 14 CFR section 121.285(b), (c), or (d) or this section, the Certificate Holder may carry cargo in the passenger compartment of an airplane.</li> </ol>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	<p><i>Sources:</i> 121.285(a)  <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.3.1(AW); 1.3.2(AW)</p> <p>2. Check that the Certificate Holder's manual system has instructions and information to personnel to ensure that the ULD is built to the dimensional, structural, and center of gravity limitations of the ULD and the aircraft in accordance with the FAA approved Weight and Balance Manual.</p> <p><i>Sources:</i> Safety; (IATA ULD - Airport Handling Manual AHM -330; Paragraph 3 - Unit Load Devices)  <i>Interfaces:</i> 1.1.1(AW); 1.1.2(AW); 1.1.2(OP); 1.3.1(AW); 1.3.2(AW); 1.3.3(AW); 1.3.7(AW); 1.3.9(AW); 1.3.14(AW)</p>	
3.	<p>Does the certificate holder's manual reference the appropriate Federal Aviation Regulations listed in the Supplemental Information section of this safety attribute inspection (SAI)?</p> <p>SRRs: 121.135(b)(3)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
4.	<p>Does the certificate holder's manual contain the duties and responsibilities for personnel who will accomplish the Cargo Handling Systems, Equipment and Appliances process?</p> <p>SRRs: 121.135(b)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
5.	<p>Does the certificate holder's manual include instructions and information for personnel to meet the requirements of the Cargo Handling Systems, Equipment and Appliances process?</p> <p>SRRs: 121.135(a)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

<b>SAI Section 1 - Procedures Attribute Drop-Down Menu</b>	
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 Cargo Handling Equipment, Systems and Appliances process:	
1.1.	Is there a control or controls in place to ensure that the certificate holder's aircraft Cargo Handling Equipment, Systems and Appliances (e.g., bins, ULD's, retention nets, straps, fire extinguishers, cargo and baggage compartments) continuously meet the maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.2.	Is there a control or controls in place to ensure that the certificate holder's aircraft interior protective covers, liners, and devices continuously meet the approved maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.3.	Is there a control or controls in place to ensure that the certificate holder's aircraft ventilation and/or draft control systems continuously meet the maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.4.	Is there a control or controls in place to ensure that the certificate holder uses the appropriate bin, container, strap, and netting for the type of aircraft and cargo?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.5.	Is there a control or controls in place to ensure that the certificate holder utilizes tools, test equipment and scales required by the Instructions for Continued Airworthiness and the Cargo Handling Equipment, Systems and Appliances processes?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.	Does the certificate holder have a documented method for assessing the impact of any changes made to the controls in the Cargo Handling Equipment, Systems and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

<b>SAI Section 2 - Controls Attribute Drop-Down Menu</b>	
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.

#### 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 Cargo Handling Equipment, Systems and Appliances process include the following process measurements:	
1.1.	Is there a process measurement or process measurements that would identify if the certificate holder's aircraft Cargo Handling Equipment, Systems and Appliances (e.g., bins, ULD's, retention nets, straps, fire extinguishers, cargo and baggage compartments) failed to meet the maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.2.	Is there a process measurement or process measurements that would identify if the certificate holder's aircraft interior protective covers, liners, and devices failed to meet the maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.3.	Is there a process measurement or process measurements that would identify if the certificate holder's aircraft ventilation and/or draft control systems failed to meet the maintenance/inspection program requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.4.	Is there a process measurement or process measurements that would identify if the certificate holder failed to use the appropriate bin, container, strap, and netting for the type of aircraft and cargo?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.5.	Is there a process measurement or process measurements that would identify if the certificate holder failed to utilize tools, test equipment and scales contained	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

	in the Instructions for Continued Airworthiness, and Cargo Handling Equipment, Systems and Appliances process?	
2.	Is there a process measurement or process measurements that would reveal if the certificate holder s policy, procedures, instructions, and information were not followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.	Does the certificate holder document its process measurements results?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
4.	Does the certificate holder use its process measurement results to improve its programs?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
5.	Does the organization that conducts the process measurements have direct access to the person with responsibility for the Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

<b>SAI Section 3 - Process Measurement Attribute Drop-Down Menu</b>
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.

#### Tasks

	To meet this objective, the inspector must accomplish the following tasks:
1.	Review the interfaces associated with the Cargo Handling Systems, Equipment and Appliances process that have been identified along with the individual questions in the section 1, Procedures, of this DCT.
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?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.	Does the certificate holder document a method for assessing the impact of any changes to the associated interfaces within the (insert element title) process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

<b>SAI Section 4 - Interfaces Attribute Drop-Down Menu</b>	
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 of the DCT 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 Cargo Handling Systems, Equipment and Appliances process.
2.	Identify the person who has overall authority for the Cargo Handling Systems, Equipment and Appliances process.
3.	Review the duties and responsibilities of the person(s), documented in the certificate holder's manual.
4.	Review the appropriate organizational chart.

#### 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 Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> 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 Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> 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 Cargo Handling Systems, Equipment and Appliances process? SRRs: 121.135(b)(2)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
4.	Does the certificate holder's manual include instructions and information for those who manage the work required by the Cargo Handling Systems, Equipment and Appliances process? SRRs: 121.135(a)(1)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
5.	Does the certificate holder clearly and completely document the responsibility for this position?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
6.	Does the certificate holder clearly and completely document the authority for this position?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
7.	Does the certificate holder clearly and completely document its qualification standards for the person having responsibility for the Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> 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 Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain



9.	Does the certificate holder clearly and completely document the procedures for delegation of authority for the Cargo Handling Systems, Equipment and Appliances process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
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<b>SAI Section 5 - Management Responsibility &amp; Authority Attributes Drop-Down Menu</b>	
1.	Not documented.
2.	Documentation unclear.
3.	Documentation incomplete.
4.	Other.