

DCT Title: CFT Part 121 W&B Program - Cargo DA (AW)
DCT Type: National/Regional
Specialty: Airworthiness
Assessment Type: National/Regional
DCT Revision: 1.0 on 10/17/18 (Released)

Summary Information

Purpose (Certificate Holder Responsibility): To operate the aircraft within the weight and balance limitations of the Aircraft Flight Manual (AFM) and safely handle the carriage of cargo.
Objective (FAA Responsibility): Determine if the CH will be able to (1) Comply with regulations and guidance; (2) Operate aircraft within the weight and balance limitations of the Aircraft Flight Manual (AFM); and (3) safely handle and carry cargo.

Questions	Answers	References
<p>1 Do the procedures specify that the aircraft conforms to its TC, STC, and field approved alterations and that documents being used are based on the manufacturer's or other approved data applicable to the airplane being operated?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121"), Rev. 1 10/18/2018 11:07:01 AM,</p> <p>QID: 00052716, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>AC-120-85, 121.153(c), 8900.1 Vol 3 Ch 32 Sec 4, 21.1(b), 3.5(a), 21.41, 8130.2, 8900.1 Vol 10 Ch 9 Sec 1, 8900.1 Vol 3 Ch 18 Sec 13</p>
<p>2 Do the procedures specify that the aircraft complies with the "Limitations and Restrictions" sections within the approved AFM or STC AFM supplement?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121"), Rev. 1 10/18/2018 11:07:01 AM,</p> <p>QID: 00052717, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>121.153(c), 8900.1 Vol 10 Ch 9 Sec 1, 8900.1 Vol 3 Ch 32 Sec 4, AC-120-85, 21.1(b), 3.5(a), 91.9, 21.41, 8130.2, 8900.1 Vol 3 Ch 18 Sec 13</p>
<p>3 Does the weight and balance program indicate the source of the approved data used to develop the program?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121"), Rev. 1 10/18/2018 11:07:01 AM,</p> <p>QID: 00052737, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 3, AC-120-85</p>
<p>4 Do the procedures include a requirement to evaluate the configuration and airworthiness of acquired aircraft (new or used)?</p> <p>NOTE: Volume 10, Chapter 9, Section 1 provides an extensive checklist of items for aircraft configuration.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121"), Rev. 1 10/18/2018 11:07:01 AM,</p> <p>QID: 00052718, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>121.153(a), 8900.1 Vol 10 Ch 9 Sec 1, 8900.1 Vol 3 Ch 18 Sec 13, AC-120-85, 8900.1 Vol 3 Ch 47 Sec 1</p>

Questions	Answers	References
<p>5 Do the weight and balance procedures specify how to establish and maintain the following information for individual or fleet aircraft:</p> <p>#1 The Basic Operating Weight and center of gravity; #2 Initial and periodic reweighing of aircraft; and #3 Revised criteria when a repair or alteration affects the aircraft weight and balance?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") AND (OPSPEC = "E096") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052721, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 1, AC-120-85, E096, 8900.1 Vol 3 Ch 18 Sec 6</p>
<p>6 Do the weight and balance procedures specify how to determine the requirements for calibration of scales used for aircraft weighing?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052720, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>AC-120-27, 8900.1 Vol 3 Ch 47 Sec 3</p>
<p>7 Do procedures require that only FAA-certificated personnel performs maintenance in accordance with the certificate holder's Continuous Airworthiness Maintenance Program when adjusting CLS components through removal, reinstallation, or modified configuration?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") AND ((FLT OPERATION CONFIGURATION = "CARGO")) AND ((OPSPEC = "D072")) , Rev. 1 10/18/2018 11:07:01 AM,</p> <p>QID: 00052747, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 3</p>
<p>8 Do the certificate holder's procedures specify to document when CLS components are removed, reinstalled, or reconfigured and to notify the Pilot in Command prior to flight?</p> <p>NOTE: Cargo loading system components are certificated under the following methods: PMA, TSO, Production Certificate (PC), TC, amended TC, STC, and under rules governing owner-produced parts.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") AND (FLT OPERATION CONFIGURATION = "CARGO") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052748, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 3, AC-120-85</p>
<p>9 Do the certificate holder's procedures specify evaluating the capability of any aircraft the operator may use to transport any type of cargo, including special cargo?</p> <p>NOTE: For details on certificate holder responsibilities when transporting all types of cargo, ASIs must familiarize themselves with recommended processes and procedures in AC 120-85 as revised.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") AND (FLT OPERATION CONFIGURATION = "CARGO") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052725, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 1, AC-120-85</p>

Questions	Answers	References
<p>10 Do the procedures require control of the repair and serviceability of:</p> <p>#1 ULDs (repair if owned or leased and serviceability if into plane only); #2 Airplane cargo loading system; #3 Cargo restraint devices; #4 Installed nets; #5 Installed smoke barriers; and #6 Clearly mark or identify ULDs and other restraint devices that fail serviceability checks?</p> <p>NOTE: Restraint devices also include straps, chains, ropes, or nets separate from pallet/net combinations.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") AND (FLT OPERATION CONFIGURATION = "CARGO") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052726, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 47 Sec 3, AC-120-85</p>
<p>11 Does the certificate holder have a training program for maintenance personnel involved with:</p> <p>#1 Aircraft weighing; and #2 Procedures that affect aircraft weight and balance?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: (FAR PART = "121") , Rev. 1 10/18/2018 11:06:58 AM,</p> <p>QID: 00052744, Response Details: EP & ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>AC-120-85, 8900.1 Vol 3 Ch 47 Sec 3</p>

Response Details List EP & ED DCTs (Both OP and AW) (Released, 1.0)	
1	Unclear procedure(s)
2	Conflicting procedure(s)
3	Used workaround(s)
4	Skipped process step(s)
5	Personnel failed to follow process (procedures, guidance, etc)
6	Procedures/guidance not available
7	Procedures/guidance not current
8	Inconsistent procedure(s)
9	Undocumented procedure(s)
10	Minor typographical error(s) (i.e. record entries)
11	Information missing
12	Communication failure(s)
13	Personnel failed to perform task
14	Process failed to meet desired outcome
15	Process oversight failure
16	Equipment/tools not available
17	Equipment/tools not adequate
18	Equipment/tools not calibrated
19	Facilities not adequate
20	Other
Response Details List N/A Response Detail (Released, 1.0)	
1	Operator not authorized by OpSpecs
2	Equipment not equipped/authorized
3	Not applicable due to exemption, deviation, or exception
4	Not authorized by regulation
5	Not authorized by Order
6	Not authorized by Notice
7	Not authorized/recommended by Advisory Circular

8	Not authorized by Policy Letter, Legal Interpretation, or other guidance
9	Other