

2.1.3 (OP) Simulators / Training Devices, Design Assessment, OP, Peer Group E - Part 135 (HAA), Revision: 8.0 on 07/13/2016

**Unscoped DCT Report (Standard DCT)**

**MLF Label:** 2.1.3 (OP) Simulators / Training Devices (Released)

**DCT Type:** ED DCT

**Specialty:** Operations

**Peer Group:** E - Part 135 (HAA)

**DCT Revision:** 8.0 on 07/13/2016 (Released)

**Summary Information**

**Purpose (Certificate Holder Responsibility):** To use simulators, training devices, and training aids that meet the requirements of the training programs.

**Objective (FAA Responsibility):** Determine if the CH will be able to; (1) Comply with regulations; (2) Use simulators, training devices, and training aids that met the requirements of the training programs.

Questions	Answers	References
<b>2.1.3 (OP) Simulators / Training Devices</b>		
1. Is the individual with responsibility clearly identifiable and required to have the knowledge and qualifications necessary to plan, organize, direct and control activities for this element?  NOTE:  Safety Attribute: Management Responsibility, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010624, Response Details: EP & ED DCTs (Both OP and AW), Status: Released	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable	
2. Is the individual with authority clearly identifiable, and required to have the knowledge and qualifications necessary to direct, control, or change procedures, and make key decisions, such as safety risk acceptance, associated with this element?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable	

2.1.3 (OP) Simulators / Training Devices, Design Assessment, OP, Peer Group E - Part 135 (HAA), Revision: 8.0 on 07/13/2016

<p>NOTE:</p> <p>Safety Attribute: Management Authority, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010630, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>		
<p>3. Are there process measurements that provide for the continuous monitoring and measuring of safety performance related to this element, to identify deficiencies or hazards?</p> <p>NOTE:</p> <p>Safety Attribute: Process Measurement, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010622, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes  <input type="radio"/> No  <input type="radio"/> Not Applicable</p>	
<p>4. Do the procedures specify that the Operator must prepare and keep current a written training program that includes a list of all the training devices, mockups, systems trainers, procedures trainers, or other training aids that the Operator will use?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS" ) , Rev. 1.0 09/20/2012, QID: 00001877, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes  <input type="radio"/> No  <input type="radio"/> Not Applicable</p>	135.327(b)
<p>5. Do the procedures specify that training courses using aircraft simulators and other training devices must be approved by the FAA before being included in the certificate holder's training programs?</p>	<p><input type="radio"/> Yes  <input type="radio"/> No  <input type="radio"/> Not Applicable</p>	AC-120-40; 135.327; 135.335(a)

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<p>NOTE: In granting initial and final approval or revisions of training programs, the FAA considers the training devices, methods, and procedures listed in the certificate holder's curriculum required under 135.327.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS" ) , Rev. 3.0 04/20/2016, QID: 00001878, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>		
<p>6. Do the procedures specify that each aircraft simulator and other training devices used in a training course or in checks must be specifically approved for:</p> <p>#1 The certificate holder; and</p> <p>#2 The particular maneuver, procedure, or crewmember function involved?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS" ) , Rev. 4.0 04/20/2016, QID: 00001879, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>AC-120-40; 135.335(b)</p>
<p>7. Do the procedures require that the simulator or other training devices used in training or checking events under 14 CFR Part 135 must maintain the performance, functional, and other characteristics that are required for approval?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS" ) , Rev. 3.0 04/20/2016, QID: 00001882, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>AC-120-40; 135.335(b)</p>

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<p>8. Do the procedures for aircraft simulators require that the simulator be:</p> <p>#1 Approved for the type of aircraft and, if applicable, the particular variation within the type for which the training or check is being conducted; and</p> <p>#2 Modified to conform to any modification of the aircraft being simulated that changes the performance, functional, or other characteristics required for approval?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT SIMULATORS" ), Rev. 2.0 06/23/2014, QID: 00001883, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>135.335(b)</p>
<p>9. Do the procedures specify that before any level 4 or level 5 flight training device can be used it must be evaluated by the Principal Operations Inspector to determine that it meets the prescribed requirements for the appropriate level of flight training device?</p> <p>NOTE: Level 1 through 3 FTDs may not be used in Part 121 or Part 135 training programs.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135" ) AND ( TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" ), Rev. 2.0 04/21/2016, QID: 00001886, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 3 Ch 19 Sec 6</p>
<p>10. Do procedures exist in enough detail to meet the regulatory and guidance requirements for this element to produce the intended results?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART =</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	

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<p>"145" , Rev. 5.0 07/12/2016, QID: 00010595, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>		
<p>11. Do controls exist to ensure processes associated with this element achieve the intended results?</p> <p>NOTE: Controls associated with this element may include, but are not limited to, hardware, software, special procedures or procedural steps, checklists, or supervisory practices.</p> <p>Safety Attribute: Controls, Question Type: Output Validation, Scoping Attribute: (FAR PART = "145") OR (FAR PART = "121") OR (FAR PART = "135" ) , Rev. 4.0 07/12/2016, QID: 00010681, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes  <input type="radio"/> No  <input type="radio"/> Not Applicable</p>	
<p>12. Does the certificate holder have a method to evaluate the impact of changes on related processes (interfaces) for this element?</p> <p>NOTE:</p> <p>Safety Attribute: Interfaces, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145" ) , Rev. 5.0 07/12/2016, QID: 00010623, Response Details: EP &amp; ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes  <input type="radio"/> No  <input type="radio"/> Not Applicable</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)

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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