

Unscoped DCT Report (Standard DCT)

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

DCT Type: ED DCT

Specialty: Operations

Peer Group: A - Part 121 Air Operators

DCT Revision: 5.0 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
2.1.3 (OP) Simulators / Training Devices		
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 A - Part 121 Air Operators, Revision: 5.0 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 & 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 & 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>4. Do the procedures specify that Flight Simulation Training Device sponsors must establish and follow a quality management system for the continuing surveillance and analysis of the performance and effectiveness of the Flight Simulation Training Device?</p> <p>NOTE: The quality management system must be approved by the National Simulator Program Manager, for the continuing surveillance and analysis of the sponsor's performance and effectiveness in providing a satisfactory Flight Simulation Training Device for use on a regular basis as described in Qualification Performance Standards 14 CFR Part 121 Appendix E.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS") , Rev. 1.0 09/20/2012, QID: 00001859, Response Details: EP & 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>60 Appendix E; 60.5</p>

2.1.3 (OP) Simulators / Training Devices, Design Assessment, OP, Peer Group A - Part 121 Air Operators, Revision: 5.0 on 07/13/2016

<p>5. Do the procedures specify that each airplane simulator and other training devices used in a training course must:</p> <p>#1 Be specifically approved for the Operator, the type airplane, and if applicable, the particular variation within type for which the training or check is being conducted, and the particular maneuver, procedure, or crewmember function involved;</p> <p>#2 Maintain the performance, functional, and other characteristics that are required for approval;</p> <p>#3 Be modified to conform with any modification made to the airplane being simulated that results in changes to performance, functional, or other characteristics required for approval;</p> <p>#4 Be given a daily functional preflight check before being used; and</p> <p>#5 Have a daily discrepancy log where each discrepancy is entered by the appropriate instructor or check airman at the end of each training or check flight?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS"), Rev. 2.0 05/09/2014, QID: 00001860, Response Details: EP & 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; 121.407(a); 60.20; 60.25</p>
<p>6. Do the procedures specify when a simulator may be used instead of an airplane?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS"), Rev. 1.0 09/20/2012, QID: 00001866, Response Details: EP & 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>121.407(c)</p>
<p>7. Do the procedures require meeting low-altitude windshear training requirements using an approved, type-specific simulator?</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>121.407(d); 121.409(d)</p>

2.1.3 (OP) Simulators / Training Devices, Design Assessment, OP, Peer Group A - Part 121 Air Operators, Revision: 5.0 on 07/13/2016

<p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (TRAINING EQUIPMENT = "FLIGHT SIMULATORS"), Rev. 1.0 09/20/2012, QID: 00001867, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>8. Do the procedures specify the content of training courses that use airplane simulators?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (TRAINING EQUIPMENT = "FLIGHT TRAINING DEVICES" OR "FLIGHT SIMULATORS"), Rev. 1.0 09/20/2012, QID: 00001868, Response Details: EP & 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>121.403(b); 121.409(b)</p>
<p>9. Do the procedures require an FAA-assigned qualification level for all simulators or flight training devices used in AQP training for:</p> <p>#1 Conducting proficiency evaluations; #2 Training to proficiency; #3 Determining if an individual or crew is ready for a proficiency evaluation; #4 Meeting recency of experience requirements; and #5 Conducting LOS?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (OPSPEC = "A034"), Rev. 2.0 05/09/2014, QID: 00001869, Response Details: EP & 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>121.921(a); 121.921(b)</p>
<p>10. Do the procedures require the identification of training equipment used in AQP by nomenclature and intended use when it is submitted for FAA approval?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>121.921(b)</p>

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<p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (OPSPEC = "A034") , Rev. 1.0 09/20/2012, QID: 00001875, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>11. Do the procedures require that each training device used in AQP be part of a continuing program to provide serviceability and fitness, as approved by the FAA, to perform its intended function?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") AND (OPSPEC = "A034") , Rev. 1.0 09/20/2012, QID: 00001876, Response Details: EP & 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>121.921(b)</p>
<p>12. 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 = "145") , Rev. 5.0 07/12/2016, QID: 00010595, Response Details: EP & 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>13. 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,</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	

2.1.3 (OP) Simulators / Training Devices, Design Assessment, OP, Peer Group A - Part 121 Air Operators, Revision: 5.0 on 07/13/2016

<p>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 & ED DCTs (Both OP and AW), Status: Released</p>		
<p>14. 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 & 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>	

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

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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