

**DCT Title:** Random Inspection (OP)  
**DCT Type:** Random Inspection  
**Specialty:** Operations  
**Assessment Type:** Random Inspection  
**DCT Revision:** 3.0 on 03/04/19 (Released)

**Summary Information**

**Purpose (Certificate Holder Responsibility):** To observe and evaluate the routine methods and procedures used by an operator's personnel during the period immediately before or after a flight, to determine compliance with regulations and safe operating practices.

**Objective (FAA Responsibility):** To provide inspectors with the opportunity to evaluate an air carrier operation while the crewmembers and aircraft are on the ground. A ramp inspection is an effective method for evaluating an operator's ability to prepare both the aircraft and crew for a flight to be conducted.

**Divisional Instructions**

**National Instructions**

Questions	Answers	References
<p>1 Did the flight crewmember's have in their possession the appropriate airman and medical certificates?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:43 AM,</p> <p>QID: 00052535, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>2 Did the certificate holder have the appropriate airworthiness and registration certificates?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:43 AM,</p> <p>QID: 00052549, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>3 Was the certificate holder's Flight deck in a condition for safe operation?</p> <p>NOTE: Inspectors should check for indications of instrument security, windows, emergency equipment, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:41 AM,</p> <p>QID: 00052510, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>4 Did the flightcrew perform preflight activities in accordance with the Certificate Holders' procedures?</p> <p>NOTE: Verify the flight crew performed an exterior Walk-around, reviewed the logbook, and performed cockpit set-up procedures, etc.</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4

Questions	Answers	References
<p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:44 AM,</p> <p>QID: 00052539, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>		
<p>5 Was the appropriate preflight and post-flight paperwork such as weather reports, flight plans, Release, weight and balance and NOTAMS reviewed?</p> <p>NOTE: Check load manifest, weather reports, flight plan, NOTAMS, and dispatch flight release messages, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:44 AM,</p> <p>QID: 00052529, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>6 Did the Certificate Holder provide the crew with pre-flight information on MEL and CDL requirements?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:44 AM,</p> <p>QID: 00052530, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>7 Were all open discrepancies from the previous flight resolved in accordance with the Certificate Holder's manual?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:44 AM,</p> <p>QID: 00052513, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>8 Did the maintenance record contain the following for each discrepancy, including:</p> <p>#1 Description of the work performed or a reference to acceptable data;</p> <p>#2 Date of the completion of the work;</p> <p>#3 Name or other positive identification of the person approving the work;</p> <p>#4 Name of person performing work if outside the organization; and</p> <p>#5 Signature, signature number, and kind of certificate, if work has been performed satisfactorily?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 3 3/5/2019 9:16:44 AM,</p> <p>QID: 00052516, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>9 Were all MEL items deferred per the certificate holder's FAA-approved MEL?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4

Questions	Answers	References
<p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:45 AM,</p> <p>QID: 00052514, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>		
<p>10 Were entries made in the aircraft logbook for identified mechanical irregularities?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:45 AM,</p> <p>QID: 00052542, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>11 Did the maintenance records show an airworthiness release, maintenance record entry, or the appropriate approval for return to service was made after the completion of maintenance?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:46 AM,</p> <p>QID: 00052515, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>12 Did the flight crewmembers and/or flight attendants, posses the required equipment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:42 AM,</p> <p>QID: 00052537, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>13 Did the flight attendants perform an inspection of the cabin emergency equipment and properly stow flight attendant baggage and required equipment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:42 AM,</p> <p>QID: 00052540, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>14 Was the certificate holder's cabin in a condition for safe operation?</p> <p>NOTE: All equipment requiring periodic inspections should have an inspection date marked on it.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:42 AM,</p> <p>QID: 00052511, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>15 Was passenger boarding completed without incident?</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>	8900.1 Vol 6 Ch 2 Sec 4

Questions	Answers	References
<p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "142" OR "141" OR "147" , Rev. 2 3/5/2019 9:16:42 AM,</p> <p>QID: 00052541, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<input type="radio"/> Not Observable	
<p>16 Were the certificate holder's fuselage, wings, and pylons in a condition for safe operation?</p> <p>NOTE: Inspectors should check for indications of cracks, corrosion, dents, or other damage, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:46 AM,</p> <p>QID: 00052525, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable	8900.1 Vol 6 Ch 2 Sec 4
<p>17 Were the certificate holder's landing gear and wheel well areas in a condition for safe operation?</p> <p>NOTE: Inspectors should check for indications of wear, structural integrity, leaks, tire pressures and corrosion, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:46 AM,</p> <p>QID: 00052509, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable	8900.1 Vol 6 Ch 2 Sec 4
<p>18 Were the certificate holder's engines in a condition for safe operation?</p> <p>NOTE: Inspectors should check for indications of cracks, corrosion, dents, fan blade damage, loose fasteners, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:46 AM,</p> <p>QID: 00052544, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable	8900.1 Vol 6 Ch 2 Sec 4
<p>19 Were the certificate holder's propellers in a condition for safe operation?</p> <p>NOTE: Inspectors should check the leading edge of propellers for cracks, dents, deice boots, spinners, fluid leaks , etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:46 AM,</p> <p>QID: 00052545, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable	8900.1 Vol 6 Ch 2 Sec 4
<p>20 Were the certificate holder's empennage in a condition for safe operation?</p> <p>NOTE: Inspectors should check for indications of cracks, corrosion, dents, or other damage, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147" , Rev. 2 3/5/2019 9:16:47</p>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable	8900.1 Vol 6 Ch 2 Sec 4

Questions	Answers	References
<p>AM, QID: 00052546, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>		
<p>21 Were Ramp and Gate Conditions satisfactory?</p> <p>NOTE: Check for conditions that appear to be unsafe or potentially be unsafe.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:47 AM, QID: 00052526, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable</p>	<p>8900.1 Vol 6 Ch 2 Sec 4</p>
<p>22 Did the certificate holder ensure that personnel have the manual, or appropriate parts of the manual, accessible when performing their duties?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:42 AM, QID: 00052522, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable</p>	<p>8900.1 Vol 6 Ch 2 Sec 4</p>
<p>23 Was adequate equipment (including spare parts, supplies, and materials) available for proper servicing, maintenance, and preventive maintenance of aircraft and auxiliary equipment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:47 AM, QID: 00052523, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable</p>	<p>8900.1 Vol 6 Ch 2 Sec 4</p>
<p>24 Were users of precision tools, measuring devices, or test equipment able to determine the current inspection or calibration status before their use?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:48 AM, QID: 00052524, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable</p>	<p>8900.1 Vol 6 Ch 2 Sec 4</p>
<p>25 Was the certificate holder's cargo compartment in a condition for safe operation?</p> <p>NOTE: Observation of hazardous material handling is normally not a surveillance function of the ASI during a ramp inspection. However, if discrepancies are noted during the ramp inspection, the ASI should initiate a DOR and contact the appropriate FAA Hazardous Materials office (ADG). Additional guidance for cargo configured aircraft is in Volume 6, Chapter 2, Section 5, Conduct Ramp Inspection on Cargo Loading.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:48 AM, QID: 00052512, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Observable</p>	<p>8900.1 Vol 6 Ch 2 Sec 4, 8900.1 Vol 6 Ch 2 Sec 5</p>

Questions	Answers	References
<p>26 Did the certificate holder load cargo and baggage in accordance with the certificate holders' procedures?</p> <p>NOTE: Inspectors should check baggage restraints for serviceability, that baggage was loaded as not to interfere with fire and smoke detection systems, baggage load distribution was properly completed, etc.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:48 AM,</p> <p>QID: 00052548, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>27 Were the certificate holder's servicing and maintenance activities performed in accordance with the certificate holders' procedures?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:48 AM,</p> <p>QID: 00052528, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>28 Was the facility for crew member and ground support personnel to complete preflight and post-flight responsibilities in accordance with the certificate holders' procedures?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:48 AM,</p> <p>QID: 00052531, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>29 Were observed ramp and gate activities performed safely?</p> <p>NOTE: Observe vehicular operations during marshalling, taxiing, or towing operations.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:49 AM,</p> <p>QID: 00052527, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4
<p>30 Were certificate holder's procedures followed during pushback or powerback, if approved?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation,</p> <p>Scoping Attribute: FAR PART = "121" OR "135" OR "141" OR "142" OR "147", Rev. 2 3/5/2019 9:16:49 AM,</p> <p>QID: 00052543, Response Details: EP &amp; ED DCTs (Both OP and AW), Status, Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Observable</p>	8900.1 Vol 6 Ch 2 Sec 4

**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/O Response Detail (Released, 2.0)**

1	Personnel (e.g., key certificate holder personnel not present/available)
2	Equipment (e.g., equipment not present/available/in serviceable condition)
3	Event did not occur (e.g., did not observe an intoxicated passenger on the flight)
4	Time Constraints (e.g., resources/workload)
5	Weather (e.g., weather needed for observation not present or weather made observation impossible)
6	Other