

**Safety Attribute Inspection (SAI) Data Collection Tool
6.1.2 Flight Crewmember Flight / Duty / Rest Time (OP)**

ELEMENT SUMMARY INFORMATION

Purpose of This Element (Certificate Holder's responsibility):

- To ensure that flight crewmembers comply with the requirements for flight time limitations, rest periods, and assigned duty periods.

Objective (FAA oversight responsibility):

- To determine if the Certificate Holder's Flight Crewmember Flight / Duty / Rest Time process meets all applicable requirements of the Federal Aviation Regulations and FAA policies.
- To determine if the Certificate Holder's Flight Crewmember Flight / Duty / Rest Time process incorporates the System Safety Attributes.
- To identify any shortfalls in the Certificate Holder's Flight Crewmember Flight / Duty / Rest Time process.

Specific Instructions:

- Intentionally left blank

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirement(s) (SRRs):

- SRRs:
 - 119.43(b)
 - 119.43(b)(1)
 - 119.43(b)(2)
 - 119.43(c)
 - 121.135(a)(1)
 - 121.135(b)(1)
 - 121.135(b)(2)
 - 121.135(b)(3)
 - 121.471(a)(1)
 - 121.471(a)(2)
 - 121.471(a)(3)
 - 121.471(a)(4)
 - 121.471(b)(1)
 - 121.471(b)(2)
 - 121.471(b)(3)

- 121.471(c)
- 121.471(c)(1)
- 121.471(c)(2)
- 121.471(c)(3)
- 121.471(c)(4)
- 121.471(d)
- 121.471(e)
- 121.471(f)
- 121.471(g)
- 121.481(a)
- 121.481(b)
- 121.481(c)
- 121.481(c)(1)
- 121.481(c)(2)
- 121.481(c)(3)
- 121.481(c)(4)
- 121.481(d)
- 121.481(e)
- 121.481(f)
- 121.483(a)
- 121.483(b)
- 121.483(c)(1)
- 121.483(c)(2)
- 121.483(c)(3)
- 121.485(a)
- 121.485(b)
- 121.485(c)(1)
- 121.485(c)(2)
- 121.485(c)(3)
- 121.487(a)
- 121.487(b)
- 121.487(c)
- 121.487(d)
- 121.487(e)
- 121.489
- 121.491
- 121.493(a)
- 121.493(b)
- 121.503(a)
- 121.503(b)
- 121.503(c)
- 121.503(d)
- 121.503(e)
- 121.503(f)
- 121.503(f)(1)
- 121.503(f)(2)
- 121.503(f)(3)
- 121.505(a)
- 121.505(b)
- 121.507(a)(1)

121.507(a)(2)
121.507(b)
121.509(a)(1)
121.509(a)(2)
121.509(b)
121.511(a)
121.511(b)
121.515
121.517
121.519
121.521(a)
121.521(b)
121.521(c)(1)
121.521(c)(2)
121.523(a)
121.523(b)
121.523(c)
121.523(d)
121.523(e)
121.523(f)
121.525(b)
121.525(c)
121.525(d)
121.525(e)

Related CFR(s) & FAA Policy/Guidance:

- Related CFRs:
Intentionally left blank
- FAA Policy/Guidance:
FAA Order 8400.10, Volume 3, Chapter 1

SAI SECTION 1 – PROCEDURES ATTRIBUTE

Objective: Procedures, instructions and information contained in Certificate Holder's manual are documented methods for accomplishing a process. Policies contained in the Certificate Holder's manual should establish the Certificate Holder's compliance posture. Policies may not be stand-alone statements but may be imbedded within procedures, instructions or information regarding a particular regulatory requirement. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder's manual has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated who, what, when, where and how type questions. This section of the data collection tool 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 data collection tool.
- 2 Review the duties and responsibilities for management and other personnel identified by the Certificate Holder who accomplish the Flight Crewmember Flight / Duty / Rest Time process.
- 3 Review the Certificate Holder's manual to ensure that it contains policies, procedures, instructions, and information necessary for the Flight Crewmember Flight / Duty / Rest Time process.

Questions

To meet this objective, the inspector must answer the following questions:

- 1 Does the Certificate Holder's manual content meet the specific regulatory and FAA policy requirements for a Flight Crewmember Flight / Duty / Rest Time process:
 - 1.1 Does the Certificate Holder's manual contain general policies for the Flight Crewmember Flight / Duty / Rest Time process that comply with the specific regulatory requirements?
 SRRs: 121.135(b)(1); 121.471(a)(1); 121.471(a)(2); 121.471(a)(3); 121.471(a)(4); 121.471(b)(1); 121.471(b)(2); 121.471(b)(3); 121.471(c); 121.471(d); 121.471(e); 121.471(f); 121.471(g); 121.481(a); 121.481(b); 121.481(c); 121.481(c)(1); 121.481(c)(2); 121.481(c)(3); 121.481(c)(4); 121.481(d); 121.481(e); 121.481(f); 121.483(a); 121.483(b); 121.483(c)(1); 121.483(c)(2); 121.483(c)(3); 121.485(a); 121.485(b); 121.485(c)(1); 121.485(c)(2); 121.485(c)(3); 121.487(a); 121.487(b); 121.487(c); 121.487(d); 121.487(e); 121.489; 121.493(a); 121.493(b); 121.503(a); 121.503(b); 121.503(c); 121.503(d); 121.503(e); 121.503(f)(1); 121.503(f)(2); 121.503(f)(3); 121.505(a); 121.505(b); 121.507(a)(1); 121.507(a)(2); 121.507(b); 121.509(a)(1); 121.509(a)(2); 121.509(b); 121.511(a); 121.511(b); 121.515; 121.517; 121.521(a); 121.521(b); 121.521(c)(1); 121.521(c)(2); 121.523(a); 121.523(b); 121.523(c); 121.523(d); 121.523(e); 121.523(f); 121.525(b); 121.525(c); 121.525(d); 121.525(e); 121.471(c)(1); 121.471(c)(2); 121.471(c)(3); 121.471(c)(4)
- Related Design JTI's:*

- Yes
 No, Explain

<p>1. Check that the Certificate Holder's manual contains a general policy regarding scheduling and reporting in accordance with the applicable Federal Aviation Regulations, 14 CFR Part 121 Subparts: P, Q, R, S. <i>Sources:</i> 121.135(b)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 2.1.1-op; 6.1.3-op; 6.1.4-op; 7.1.4-op; 2.1.2-op</p>	
<p>1.2 Does the Certificate Holder's manual cite the regulatory requirements listed in the Supplemental Information section of this SAI? <i>SRRs:</i> 121.135(b)(3)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>1.3 Does the Certificate Holder's manual contain the duties and responsibilities for personnel who will accomplish the Flight Crewmember Flight / Duty / Rest Time process? <i>SRRs:</i> 121.135(b)(2)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>1.4 Does the Certificate Holder's manual include instructions and information for personnel to meet the requirements of the Flight Crewmember Flight / Duty / Rest Time process? <i>SRRs:</i> 121.135(a)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>1.5 Does the Certificate Holder's manual specify commercial flight time limitations for domestic operations? <i>SRRs:</i> 121.471(a)(1); 121.471(a)(2); 121.471(a)(3); 121.471(a)(4) <i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information to not schedule any flight crewmember for flight time in scheduled air transportation or in other commercial flying, if that crewmember's total flight time in all commercial flying will exceed 1,000 hours in any calendar year. <i>Sources:</i> 121.471(a)(1); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 2.1.2-op; 4.2.3-op; 7.1.4-op; 3.1.11-op; 3.1.4-op; 7.2.1-op; 2.1.1-op 2. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time in scheduled air transportation or in other commercial flying, if that crewmember's total flight time in all commercial flying will exceed 1,000 hours in any calendar year. <i>Sources:</i> 121.471(a)(1); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 7.1.4-op; 2.1.1-op; 3.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.11-op; 2.1.1-aw; 2.1.2-aw 3. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed 100 hours in any calendar month. <i>Sources:</i> 121.471(a)(2); 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 7.2.1-op; 3.1.11-op; 2.1.1-op; 7.1.4-op; 4.2.3-op; 2.1.2-aw; 2.1.1-aw 4. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>may accept an assignment for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed 100 hours in any calendar month. <i>Sources:</i> 121.471(a)(2); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 7.1.4-op; 2.1.2-aw; 2.1.1-op; 3.1.4-op; 4.2.3-op; 2.1.2-op; 7.2.1-op</p> <p>5. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed 30 hours in any 7 consecutive days. <i>Sources:</i> 121.471(a)(3); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 2.1.2-aw; 4.2.3-op; 7.1.4-op; 3.1.4-op; 3.1.11-op; 2.1.1-aw; 2.1.2-op</p> <p>6. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed – 30 hours in any 7 consecutive days. <i>Sources:</i> 121.471(a)(3); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 7.2.1-op; 3.1.11-op; 2.1.1-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw</p> <p>7. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed 8 hours between required rest periods. <i>Sources:</i> 121.471(a)(4); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 2.1.2-op; 7.2.1-op; 3.1.4-op; 7.1.4-op; 4.2.3-op</p> <p>8. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time in scheduled air transportation or in other commercial flying if that crewmember's total flight time in all commercial flying will exceed 8 hours between required rest periods. <i>Sources:</i> 121.471(a)(4); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 7.1.4-op; 4.2.3-op; 7.2.1-op; 2.1.2-op; 2.1.1-op; 3.1.4-op; 3.1.11-op</p>	
<p>1.6 Does the Certificate Holder's manual specify minimum rest requirements for flight crewmembers in domestic operations? SRRs: 121.471(b)(1); 121.471(b)(2); 121.471(b)(3); 121.471(c); 121.471(c)(1); 121.471(c)(2); 121.471(c)(3); 121.471(c)(4) <i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time during the 24 consecutive</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable</p>

hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: 9 consecutive hours of rest for less than 8 hours of scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.

Sources: 121.471(b)(1); 121.135(a)(1)

Interfaces: 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 4.2.3-op; 3.1.11-op; 2.1.1-aw; 2.1.2-aw

2. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time during the 24 consecutive hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: (1) 9 consecutive hours of rest for less than 8 hours of scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.

Sources: 121.471(b)(1); 121.135(a)(1)

Interfaces: 3.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.11-op; 2.1.1-op; 7.2.1-op; 2.1.1-aw; 2.1.2-aw; 7.1.4-op

3. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time during the 24 consecutive hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: 10 consecutive hours of rest for 8 or more but less than 9 hours of scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.

Sources: 121.471(b)(2); 121.135(a)(1)

Interfaces: 3.1.11-op; 2.1.1-aw; 7.1.4-op; 4.2.3-op; 2.1.2-aw; 2.1.1-op; 7.2.1-op; 3.1.4-op; 2.1.2-op

4. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time during the 24 consecutive hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: (2) 10 consecutive hours of rest for 8 or more but less than 9 hours of scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.

Sources: 121.471(b)(2); 121.135(a)(1)

Interfaces: 7.2.1-op; 2.1.2-aw; 2.1.1-aw; 7.1.4-op; 4.2.3-op; 3.1.4-op; 2.1.2-op; 3.1.11-op; 2.1.1-op

5. Check that the Certificate Holder conducting domestic operations has in its manual instructions and information to preclude scheduling any flight crewmember for flight time during the 24 consecutive hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: (3) 11 consecutive hours of rest for 9 or more hours of

- scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.
Sources: 121.471(b)(3); 121.135(a)(1)
Interfaces: 4.2.3-op; 7.1.4-op; 3.1.4-op; 7.2.1-op; 2.1.1-op; 3.1.11-op; 2.1.2-op; 2.1.2-aw; 2.1.1-aw
6. Check that the Certificate Holder conducting domestic operations has in its manual instruction and information so that no flight crewmember may accept an assignment for flight time during the 24 consecutive hours preceding the scheduled completion of any flight segment without a scheduled rest period during that 24 hours of at least the following: (3) 11 consecutive hours of rest for 9 or more hours of scheduled flight time. Except as provided in 14 CFR 121.471 paragraph (c) of this section reduced rest may be scheduled.
Sources: 121.471(b)(3); 121.135(a)(1)
Interfaces: 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.1.4-op; 7.2.1-op; 3.1.4-op; 2.1.1-op; 2.1.2-op; 4.2.3-op
7. If the 9 hour rest required by 14 CFR 121.471 (b) (1) of this section is reduced to a minimum of not less than 8 hours, check that the Certificate Holder's manual contains instructions and information so that the 10 hour minimum required compensatory rest, must begin no later than 24 hours after the commencement of the reduced rest period.
Sources: 121.135(a)(1); 121.471(c)(1)
Interfaces: 2.1.2-aw; 7.1.4-op; 2.1.1-aw; 2.1.2-op; 2.1.1-op; 3.1.4-op; 4.2.3-op; 7.2.1-op; 3.1.11-op
8. If the 10 hour rest required by 14 CFR 121.471 (b) (2) of this section is reduced to a minimum of not less than 8 hours, check that the Certificate Holder's manual contains instructions and information so that the 11 hour minimum required compensatory rest, must begin no later than 24 hours after the commencement of the reduced rest period.
Sources: 121.135(a)(1); 121.471(c)(2)
Interfaces: 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.2-aw; 3.1.11-op; 2.1.1-aw
9. If the 11 hour rest required by 14 CFR 121.471 (b) (3) of this section is reduced to a minimum of not less than 9 hours, check that the Certificate Holder's manual contains instructions and information so that the 12 hour minimum required compensatory rest, must begin no later than 24 hours after the commencement of the reduced rest period.
Sources: 121.135(a)(1); 121.471(c)(3)
Interfaces: 3.1.4-op; 2.1.2-op; 4.2.3-op; 7.2.1-op; 3.1.11-op; 2.1.1-op; 2.1.1-aw; 2.1.2-aw; 7.1.4-op
10. Check that the Certificate Holder's manual has instruction and information so that no Certificate Holder assigns any flight crewmember to perform any flight time with the Certificate Holder unless the flight crewmember has had at least the minimum rest required under 14 CFR 121.471 (c).
Sources: 121.135(a)(1); 121.471(c)(4)

<p><i>Interfaces:</i> 3.1.11–op; 2.1.1–aw; 7.1.4–op; 2.1.2–aw; 4.2.3–op; 7.2.1–op; 2.1.1–op; 2.1.2–op; 3.1.4–op</p> <p>11. Check that the Certificate Holder's manual has instruction and information so that no flight crewmember performs any flight time with the Certificate Holder unless the flight crewmember has had at least the minimum rest required under 14 CFR 121.471 (c). <i>Sources:</i> 121.135(a)(1); 121.471(c)(4) <i>Interfaces:</i> 7.2.1–op; 2.1.2–aw; 2.1.1–aw; 7.1.4–op; 4.2.3–op; 3.1.4–op; 2.1.2–op; 3.1.11–op; 2.1.1–op</p>	
<p>1.7 Does the Certificate Holder's manual provide a 24 hour relief period for each flight crewmember domestic operations? SRRs: 121.471(d)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual has instruction and information so that the Certificate Holder conducting domestic operations relieves each flight crewmember engaged in scheduled air transportation from all further duty for at least 24 consecutive hours during any 7 consecutive days. <i>Sources:</i> 121.471(d); 121.135(a)(1) <i>Interfaces:</i> 4.2.3–op; 2.1.1–op; 7.1.4–op; 3.1.4–op; 3.1.11–op; 2.1.2–op; 2.1.1–aw; 7.2.1–op; 2.1.2–aw</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.8 Does the Certificate Holder's manual specify that a crewmember rest period is not to be interrupted by air carrier duties in domestic operations? SRRs: 121.471(e)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual has instruction and information so that no Certificate Holder conducting domestic operations assign any flight crewmember to any duty with the air carrier during any required rest period. <i>Sources:</i> 121.471(e); 121.135(a)(1) <i>Interfaces:</i> 3.1.11–op; 2.1.2–aw; 2.1.1–aw; 7.1.4–op; 7.2.1–op; 2.1.1–op; 3.1.4–op; 2.1.2–op; 4.2.3–op</p> <p>2. Check that the Certificate Holder's manual has instruction and information so that no flight crewmember accepts an assignment to any duty with the air carrier during any required rest period. <i>Sources:</i> 121.471(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.2–aw; 2.1.1–aw; 7.1.4–op; 3.1.4–op; 2.1.2–op; 7.2.1–op; 2.1.1–op; 4.2.3–op; 3.1.11–op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.9 Does the Certificate Holder's manual specify that the rest period of those crewmembers governed by domestic operations does not include time spent in transportation that is not local in character? SRRs: 121.471(f)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual has instruction and information addressing time spent in transportation, not local in character, that a Certificate Holder requires of a flight crewmember and provides to transport the</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>crewmember to an airport at which he is to serve on a flight as a crewmember, or from an airport at which he was relieved from duty to return to his home station, is not considered part of a rest period.</p> <p><i>Sources:</i> 121.471(f); 121.135(a)(1)</p> <p><i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 4.2.3-op; 2.1.2-aw; 3.1.11-op; 2.1.1-aw</p>	
<p>1.10 Does the Certificate Holder's manual specify when scheduled flight time may be exceeded in domestic operations?</p> <p>SRRs: 121.471(g)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual has instruction and information that a flight crewmember is not considered to be scheduled for flight time in excess of flight time limitations if the flights to which he is assigned are scheduled and normally terminate within the limitations, but due to circumstances beyond the control of the Certificate Holder (such as adverse weather conditions), are not at the time of departure expected to reach their destination within the scheduled time. <p><i>Sources:</i> 121.471(g); 121.135(a)(1)</p> <p><i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.1-op; 7.2.1-op; 3.1.11-op; 2.1.2-aw; 2.1.1-aw; 7.1.4-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11 The following questions apply to flag operations:</p>	
<p>1.11.1 Does the Certificate Holder's manual limit flag operations from scheduling one or two pilot crews for more than 8 hours in any consecutive 24 hours without a rest?</p> <p>SRRs: 121.481(a)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder conducting flag operations has instructions and information in its manual to schedule one or two pilots to fly in an airplane for 8 hours or less during any 24 consecutive hours without a rest period during those 8 hours. <p><i>Sources:</i> 121.481(a); 121.135(a)(1)</p> <p><i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.1.4-op; 7.2.1-op; 2.1.2-op; 4.2.3-op; 2.1.1-op; 3.1.4-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.2 Does the Certificate Holder's manual specify the rest requirements for one or two pilot crews scheduled in flag operations that fly in excess of 8 hours in any consecutive 24-hour period?</p> <p>SRRs: 121.481(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting flag operations has instructions and information in its manual that schedules a pilot to fly more than eight hours during any 24 consecutive hours, it shall provide an intervening rest period, at or before the end of eight scheduled hours of flight duty. This rest period must be at least twice the number of hours flown since the preceding rest period, but not less than eight hours. <p><i>Sources:</i> 121.481(b); 121.135(a)(1)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p><i>Interfaces:</i> 2.1.2-aw; 7.2.1-op; 2.1.1-aw; 4.2.3-op; 7.1.4-op; 2.1.2-op; 3.1.11-op; 3.1.4-op; 2.1.1-op</p> <p>2. Check that a Certificate Holder, conducting flag operations, has instructions and information in it's manual that if it schedules a pilot to fly more than eight hours during any 24 consecutive hours, the Certificate Holder shall relieve that pilot of all duty with it during the rest period required by 14 CFR 121.481(b).</p> <p><i>Sources:</i> 121.481(b); 121.135(a)(1)</p> <p><i>Interfaces:</i> 2.1.1-op; 7.1.4-op; 4.2.3-op; 3.1.4-op; 2.1.2-op; 7.2.1-op; 3.1.11-op; 2.1.1-aw; 2.1.2-aw</p>	
<p>1.11.3 Does the Certificate Holder's manual require a minimum of 18 hours of rest for any one or two pilot crews in flag operations who have flown more than 8 hours during 24 consecutive hours?</p> <p>SRRs: 121.481(c)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, which is conducting flag operations, has instruction and information that each pilot who has flown more than eight hours during 24 consecutive hours must be given at least 18 hours of rest before being assigned to any duty with the Certificate Holder.</p> <p><i>Sources:</i> 121.481(c); 121.135(a)(1)</p> <p><i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-op; 7.2.1-op; 2.1.2-aw; 4.2.3-op; 7.1.4-op; 3.1.4-op; 2.1.1-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.4 Does the Certificate Holder's manual specify that no pilot in any one or two pilot crews may fly more than 32 hours during any 7 consecutive days?</p> <p>SRRs: 121.481(d)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, which is conducting flag operations, has instruction and information that does not allow a pilot to fly more than 32 hours during any seven consecutive days.</p> <p><i>Sources:</i> 121.481(d); 121.135(a)(1)</p> <p><i>Interfaces:</i> 2.1.2-aw; 7.1.4-op; 2.1.1-aw; 3.1.4-op; 2.1.2-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 3.1.11-op</p> <p>2. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that relieves each pilot from all duty for at least 24 consecutive hours at least once during any seven consecutive days.</p> <p><i>Sources:</i> 121.481(d); 121.135(a)(1)</p> <p><i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 4.2.3-op; 2.1.2-aw; 3.1.11-op; 2.1.1-aw</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.5 Does the Certificate Holder's manual specify that each pilot must be relieved from all duty for at least 24 consecutive hours at least once during any 7 consecutive days?</p> <p>SRRs: 121.481(d)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>that no pilot may fly as a member of a crew more than 100 hours during any one calendar month. <i>Sources:</i> 121.481(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.1-op; 7.2.1-op; 3.1.11-op; 2.1.2-aw; 2.1.1-aw; 7.1.4-op</p> <p>2. Check that the Certificate Holder's manual, which is conducting flag operations, has instruction and information that no pilot may fly as a member of a crew more than 1,000 hours during any 12 calendar month period. <i>Sources:</i> 121.481(f); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 7.2.1-op; 7.1.4-op; 3.1.4-op; 2.1.2-op; 4.2.3-op</p>	
<p>1.11.6 Does the Certificate Holder's manual specify that no one or two pilot crews may fly more than 100 hours during any calendar month or 1,000 hours during any consecutive 12 calendar months? <i>SRRs:</i> 121.481(e); 121.481(f)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.7 Does the Certificate Holder's manual limit flag operations from scheduling a pilot in a three person flight crew to fly for more than 12 hours in any 24 consecutive hours? <i>SRRs:</i> 121.483(a) <i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that no Certificate Holder conducting flag operations may schedule a pilot to fly, in an airplane that has a crew of two pilots and at least one additional flight crewmember, for a total of more than 12 hours during any 24 consecutive hours. <i>Sources:</i> 121.483(a); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 4.2.3-op; 7.1.4-op; 2.1.2-op; 3.1.11-op; 3.1.4-op; 7.2.1-op; 2.1.1-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.8 Does the Certificate Holder's manual specify the rest requirements for pilots in a three person flight crew (in flag operations) who have flown in excess of 20 hours in 48 consecutive hours or 24 hours in any 72 consecutive hours? <i>SRRs:</i> 121.483(b) <i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, which is conducting flag operations with two pilots and one additional flight crewmember, has instruction and information that a pilot who has flown 20 or more hours during any 48 consecutive hours or 24 or more hours during any 72 consecutive hours, must be given at least 18 hours of rest before being assigned to any duty with the air carrier. In any case, the pilot must be given at least 24 consecutive hours of rest during any seven consecutive days. <i>Sources:</i> 121.483(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-op; 7.1.4-op; 4.2.3-op; 3.1.4-op; 2.1.2-op; 2.1.1-aw; 7.2.1-op; 3.1.11-op; 2.1.2-aw</p> <p>2. Check that the Certificate Holder's manual, which is conducting flag operations with two pilots and one additional flight crewmember,</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>has instruction and information that gives a pilot at least 24 consecutive hours of rest during any seven consecutive days if a pilot has flown 20 or more hours during any 48 consecutive hours or 24 or more hours during any 72 consecutive hours. <i>Sources:</i> 121.483(b); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 3.1.4-op; 2.1.2-op; 2.1.1-op; 7.2.1-op; 2.1.1-aw; 4.2.3-op; 7.1.4-op; 2.1.2-aw</p>	
<p>1.11.9 Does the Certificate Holder's manual specify the maximum number of hours a pilot in a three person flight crew may fly during any 30 or 90 consecutive days or any 12 calendar month period? <i>SRRs:</i> 121.483(c)(1); 121.483(c)(2); 121.483(c)(3) <i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, which is conducting flag operations with two pilots and one additional flight crewmember, has instruction and information that no pilot may fly as a flight crewmember more than 120 hours during any 30 consecutive days. <i>Sources:</i> 121.483(c)(1); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 7.1.4-op; 2.1.1-aw; 2.1.2-op; 4.2.3-op; 3.1.4-op; 3.1.11-op; 7.2.1-op; 2.1.1-op 2. Check that the Certificate Holder's manual, which is conducting flag operations with two pilots and one additional flight crewmember, has instruction and information that no pilot may fly as a flight crewmember more than 300 hours during any 90 consecutive days. <i>Sources:</i> 121.483(c)(2); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 7.1.4-op; 2.1.1-op; 3.1.4-op; 2.1.2-op; 4.2.3-op; 2.1.2-aw; 3.1.11-op; 2.1.1-aw 3. Check that the Certificate Holder's manual, who is conducting flag operations with two pilots and one additional flight crewmember, has instruction and information that no pilot may fly as a flight crewmember more than 1,000 hours during any 12 calendar month period. <i>Sources:</i> 121.483(c)(3); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 3.1.4-op; 4.2.3-op; 3.1.11-op; 7.2.1-op; 2.1.1-op; 2.1.2-aw; 2.1.1-aw; 7.1.4-op 	<p><input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable</p>
<p>1.11.10 Does the Certificate Holder's manual specify that each pilot who is both away from his/her base and who is a pilot on an airplane that has an augmented flight crew must be provided adequate rest periods on the ground? <i>SRRs:</i> 121.485(a) <i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information each Certificate Holder conducting flag operations shall schedule its flight hours to provide adequate rest periods on the ground for each pilot who is away from his base and who is a pilot on an airplane that has a crew of three or more pilots and an additional flight crewmember. <i>Sources:</i> 121.485(a); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 2.1.1-op; 7.1.4-op; 	<p><input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable</p>

<p>2.1.2–op; 3.1.11–op; 4.2.3–op; 3.1.4–op</p> <p>1.11.11 Does the Certificate Holder's manual specify that each pilot who is both away from his/her base and who is a pilot on an airplane that has an augmented flight crew must be provided adequate sleeping quarters on the airplane whenever a pilot is scheduled to fly more than 12 hours during any 24 consecutive hours? SRRs: 121.485(a)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that will identify adequate sleeping quarters as outlined in AC 121–31 on the airplane whenever a pilot is scheduled to fly more than 12 hours during any 24 consecutive hours. <i>Sources:</i> 121.485(a); 121.135(a)(1) <i>Interfaces:</i> 2.1.2–aw; 7.1.4–op; 1.1.2–op; 2.1.1–aw; 3.1.4–op; 2.1.1–op; 2.1.2–op; 3.1.11–op; 4.2.3–op; 7.2.1–op; 1.1.2–aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.12 Does the Certificate Holder's manual specify both the hourly rest requirements and the conditions dictating rest requirements for pilots in flag operations with augmented flight crews? SRRs: 121.485(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that each pilot, upon return to his base from any flight or series of flights is given a rest period that is at least twice the total number of hours he flew since the last rest period at his base. <i>Sources:</i> 121.485(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.1–op; 7.1.4–op; 4.2.3–op; 3.1.4–op; 2.1.2–op; 3.1.11–op; 2.1.1–aw; 7.2.1–op; 2.1.2–aw 2. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that each pilot during the rest period required by this 14 CFR 121.485(b), the air carrier does not require him to perform any duty for it. <i>Sources:</i> 121.485(b); 121.135(a)(1) <i>Interfaces:</i> 3.1.4–op; 3.1.11–op; 2.1.2–op; 2.1.1–op; 2.1.1–aw; 7.1.4–op; 4.2.3–op; 7.2.1–op; 2.1.2–aw 3. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that the required rest period is more than seven days, that part of the rest period in excess of seven days may be given at any time before the pilot is again scheduled for flight duty on any route. <i>Sources:</i> 121.485(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.1–aw; 4.2.3–op; 7.1.4–op; 3.1.4–op; 2.1.2–aw; 3.1.11–op; 7.2.1–op; 2.1.1–op; 2.1.2–op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>1.11.13 Does the Certificate Holder's manual limit the flying time of a pilot with an augmented flight crew to 350 hours during any 90 consecutive days or 1,000 hours during any 12 calendar month period? SRRs: 121.485(c)(1); 121.485(c)(2); 121.485(c)(3)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that no pilot may fly as a flight crewmember more than 350 hours during any 90 consecutive days. <i>Sources:</i> 121.485(c)(1); 121.135(a)(1) <i>Interfaces:</i> 7.1.4-op; 7.2.1-op; 2.1.2-op; 4.2.3-op; 2.1.1-op; 3.1.4-op; 3.1.11-op; 2.1.1-aw; 2.1.2-aw 2. Check that the Certificate Holder's manual, who is conducting flag operations with three pilots and one additional flight crewmember, has instruction and information that no pilot may fly as a flight crewmember more than 1,000 hours during any 12 calendar month period. <i>Sources:</i> 121.485(c)(2); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 3.1.4-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 3.1.11-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.14 Does the Certificate Holder's manual specify both the flight time limitations and conditions dictating flight time limitations for pilots who are not regularly assigned in flag operations? SRRs: 121.487(a); 121.487(b); 121.487(c); 121.487(d); 121.487(e)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations with pilots not regularly assigned, has instruction and information so that a pilot who is not regularly assigned as a flight crewmember for an entire calendar month under 14 CFR 121.483 or 14 CFR 121.485 may not fly more than 100 hours in any 30 consecutive days. Except as provided in paragraphs 14 CFR 121.487 (b) through (e) of this section. <i>Sources:</i> 121.487(a); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 2.1.1-op; 2.1.2-op; 7.1.4-op; 4.2.3-op; 3.1.4-op 2. Check that the Certificate Holder's manual, with pilots not regularly assigned has instruction and information that the monthly flight time limitations for a pilot who is scheduled for duty aloft for more than 20 hours in two pilot crews in any calendar month, or whose assignment in such a crew is interrupted more than once in that calendar month by assignment to a crew consisting of two or more pilots and an additional flight crewmember, are those set forth in paragraphs 14 CFR 121.481. <i>Sources:</i> 121.487(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 3.1.11-op; 7.1.4-op; 3.1.4-op; 2.1.2-op; 4.2.3-op; 7.2.1-op; 2.1.1-op 3. Check that the Certificate Holder's manual, who is conducting flag operations has instruction and information that limits the monthly 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>and quarterly flight time for a pilot who is scheduled for duty aloft for more than 20 hours in two pilot and additional flight crewmember crews in any calendar month, or whose assignment in such a crew is interrupted more than once in that calendar month by assignment to a crew consisting of three pilots and additional flight crewmember, are those set forth in 14 CFR 121.483. Except for a pilot covered by paragraphs 14 CFR 121.487 (b) of this section.</p> <p><i>Sources:</i> 121.487(c); 121.135(a)(1) <i>Interfaces:</i> 7.1.4-op; 7.2.1-op; 4.2.3-op; 2.1.1-op; 3.1.4-op; 3.1.11-op; 2.1.2-op; 2.1.1-aw; 2.1.2-aw</p> <p>4. Check that the Certificate Holder's manual, who is conducting flag operations has instruction and information that limits the quarterly flight time for a pilot who is scheduled for duty aloft for a total of not more than 20 hours within any calendar month in two pilot crews (with or without additional flight crewmembers) are those set forth in 14 CFR 121.485 of this section.</p> <p><i>Sources:</i> 121.487(d); 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 3.1.11-op; 2.1.1-op; 7.2.1-op; 7.1.4-op; 2.1.2-aw; 2.1.1-aw; 4.2.3-op</p> <p>5. Check that the Certificate Holder's manual, who is conducting flag operations has instruction and information that limits the monthly and quarterly flight time for a pilot assigned to each of two pilot, two pilot and additional flight crewmember, and three pilot and additional flight crewmember crews in a given calendar month, and who is not subject to paragraph 14 CFR 121.487 (b), (c), or (d) of this section, are those set forth in 14 CFR 121.483.</p> <p><i>Sources:</i> 121.487(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 4.2.3-op; 7.1.4-op; 2.1.2-aw; 2.1.1-op; 3.1.4-op; 2.1.2-op; 7.2.1-op; 3.1.11-op</p>	
<p>1.11.15 Does the Certificate Holder's manual require pilots in flag operations to include all commercial flying in their flight time limitations? SRRs: 121.489</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that the Certificate Holder's manual, who is conducting flag operations has instruction and information that no pilot that is employed as a pilot by a Certificate Holder conducting flag operations does any other commercial flying if that commercial flying plus his flying in air transportation will exceed any flight time limitation in this part.</p> <p><i>Sources:</i> 121.489; 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 7.1.4-op; 2.1.1-op; 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.1-aw; 3.1.11-op; 2.1.2-aw</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.16 Does the Certificate Holder's manual specify that time spent in deadhead transportation to or from duty assignment is not considered to be a part of a rest period? SRRs: 121.491</p> <p><i>Related Design JTI's:</i></p> <p>1.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that time spent in deadhead transportation to or from duty assignment is not considered to be a part of a rest period.</p> <p><i>Sources:</i> 121.491; 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 3.1.4-op; 4.2.3-op; 7.2.1-op; 3.1.11-op; 2.1.2-aw; 2.1.1-op; 7.1.4-op; 2.1.1-aw</p>	
<p>1.11.17 Does the Certificate Holder's manual establish flight time limitations for flight engineers? SRRs: 121.493(a); 121.493(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that in any operation in which one flight engineer or flight navigator is required, the flight time limitations in 14 CFR 121.483 apply to that flight engineer or flight navigator. <i>Sources:</i> 121.493(a); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 7.2.1-op; 4.2.3-op; 7.1.4-op; 2.1.2-op; 3.1.4-op 2. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that in any operation in which more than one flight engineer or flight navigator is required, the flight time limitations in 14 CFR 121.485 apply to those flight engineers or flight navigators. <i>Sources:</i> 121.493(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 2.1.2-op; 3.1.11-op; 7.1.4-op; 7.2.1-op; 2.1.1-op; 4.2.3-op; 3.1.4-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.11.18 Does the Certificate Holder's manual establish flight time limitations for flight navigators? SRRs: 121.493(a); 121.493(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that in any operation in which one flight engineer or flight navigator is required, the flight time limitations in 14 CFR 121.483 apply to that flight engineer or flight navigator. <i>Sources:</i> 121.493(a); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 7.2.1-op; 4.2.3-op; 7.1.4-op; 2.1.2-op; 3.1.4-op 2. Check that the Certificate Holder's manual, who is conducting flag operations, has instruction and information that in any operation in which more than one flight engineer or flight navigator is required, the flight time limitations in 14 CFR 121.485 apply to those flight engineers or flight navigators. <i>Sources:</i> 121.493(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 2.1.2-op; 3.1.11-op; 7.1.4-op; 7.2.1-op; 2.1.1-op; 4.2.3-op; 3.1.4-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12 The following questions apply to supplemental operations:</p>	

<p>1.12.1 Does the Certificate Holder's manual limit supplemental operations from scheduling pilots for more than 8 hours in any consecutive 24 hours without a rest? SRRs: 121.503(a)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder conducting supplemental operations has instructions and information in it's manual for scheduling a pilot to fly in an airplane for 8 hours or less during any 24 consecutive hours without a rest period during those 8 hours. <i>Sources:</i> 121.503(a); 121.135(a)(1) <i>Interfaces:</i> 7.1.4-op; 7.2.1-op; 2.1.1-op; 3.1.4-op; 3.1.11-op; 2.1.2-op; 4.2.3-op; 2.1.1-aw; 2.1.2-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.2 Does the Certificate Holder's manual specify the rest requirements for pilots in supplemental operations who have flown more than 8 hours in any consecutive 24 hour period? SRRs: 121.503(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting supplemental operations has instruction and information that each pilot who has flown more than eight hours during any 24 consecutive hours must be given at least 16 hours of rest before being assigned to any duty with the Certificate Holder. <i>Sources:</i> 121.503(b); 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 3.1.11-op; 2.1.2-op; 2.1.1-op; 2.1.2-aw; 7.2.1-op; 2.1.1-aw; 7.1.4-op; 4.2.3-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.3 Does the Certificate Holder's manual require that while conducting supplemental operations each pilot must be relieved from all duty for at least 24 consecutive hours at least once during any 7 consecutive days? SRRs: 121.503(c)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting supplemental operations, has instruction and information that each Certificate Holder shall relieve each pilot from all duty for at least 24 consecutive hours at least once during any seven consecutive days. <i>Sources:</i> 121.503(c); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 7.1.4-op; 2.1.2-aw; 2.1.1-op; 4.2.3-op; 7.2.1-op; 3.1.4-op; 2.1.2-op; 3.1.11-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.4 Does the Certificate Holder's manual require that no pilot in supplemental operations may fly more than 100 hours in 30 days or 1,000 hours in any calendar year? SRRs: 121.503(d); 121.503(e)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that the Certificate Holder's manual, who is conducting supplemental operations has instruction and information that no pilot may fly as a crewmember in air transportation more than 100 hours during any 30 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>consecutive days. <i>Sources:</i> 121.503(d); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.2-aw; 2.1.1-op; 4.2.3-op; 7.1.4-op; 3.1.4-op; 3.1.11-op; 2.1.1-aw; 2.1.2-op</p> <p>2. Check that the Certificate Holder's manual that is conducting supplemental operations has instruction and information that no pilot may fly as a crewmember in air transportation more than 1,000 hours during any calendar year. <i>Sources:</i> 121.503(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 3.1.11-op; 7.2.1-op; 2.1.1-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw</p>	
<p>1.12.5 Does the Certificate Holder's manual specify the conditions under which supplemental operations may schedule a flight crewmember for up to 10 hours of continuous duty in transcontinental operations without a rest period? SRRs: 121.503(f)(1); 121.503(f)(2); 121.503(f)(3); 121.503(f)</p> <p><i>Related Design JTI's:</i></p> <p>1. If conducting a supplement transcontinental nonstop flight operations, check that the Certificate Holder's manual has instruction and information for scheduling a flight crewmember for more than 8 hours but not more than 10 hours of continuous duty aloft without an intervening rest period, if: 1. The flight is in an airplane with a pressurization system that is operative at the beginning of the flight; 2. The flight crew consists of at least two pilots and a flight engineer; and 3. The Certificate Holder uses, in conducting the operation, an air/ground communication service that is independent of systems operated by the United States, and a dispatch organization, both of which are approved by the Administrator as adequate to serve the terminal points concerned. <i>Sources:</i> 121.503(f)(1); 121.503(f)(2); 121.503(f)(3); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 7.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.1-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.6 Does the Certificate Holder's manual specify the rest requirement for two pilot supplemental crews that have been scheduled for more than 8 hours of flight time? SRRs: 121.505(a)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that a Certificate Holder conducting supplemental operations with two pilot crews, has instructions and information in its manual that if it schedules a pilot to fly more than 8 hours during any 24 consecutive hours, it shall provide an intervening rest period, at or before the end of 8 scheduled hours of flight duty. This rest period must be at least twice the number of hours flown since the preceding rest period, but not less than eight hours. <i>Sources:</i> 121.505(a); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 7.1.4-op; 4.2.3-op; 3.1.4-op; 2.1.2-op; 3.1.11-op; 2.1.1-op; 7.2.1-op</p> <p>2.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>Check that a Certificate Holder conducting supplemental operations with two pilot crews has instructions and information in its manual that if it schedules a pilot to fly more than 8 hours during any 24 consecutive hours, it shall provide an intervening rest period. The Certificate Holder shall relieve that pilot of all duty with it during that rest period.</p> <p><i>Sources:</i> 121.505(a); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 3.1.11-op; 4.2.3-op; 2.1.1-aw; 2.1.2-aw</p>	
<p>1.12.7 Does the Certificate Holder's manual limit the crew duty for two pilot crews in supplemental operations? SRRs: 121.505(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with two pilot crews has instructions and information in its manual so that no pilot of an airplane may be on duty for more than 16 hours during any 24 consecutive hours. <i>Sources:</i> 121.505(b); 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 3.1.11-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.8 Does the Certificate Holder's manual specify both the flight and the duty limitations for three pilot crews in supplemental operations? SRRs: 121.507(a)(1); 121.507(a)(2); 121.507(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a three pilot crew has instructions and information in its manual that no pilot is scheduled for flight deck duty in an airplane that has a crew of three pilots for more than 8 hours in any 24 consecutive hours. <i>Sources:</i> 121.507(a)(1); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 7.1.4-op; 2.1.2-aw; 2.1.1-op; 4.2.3-op; 3.1.11-op; 3.1.4-op; 2.1.2-op; 7.2.1-op 2. Check that a Certificate Holder conducting supplemental operations with a three pilot crew has instructions and information in its manual that no pilot is scheduled to be aloft in an airplane that has a crew of three pilots for more than 12 hours in any 24 consecutive hours. <i>Sources:</i> 121.507(a)(2); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw; 4.2.3-op; 3.1.4-op; 2.1.2-op; 3.1.11-op; 2.1.1-op 3. Check that a Certificate Holder conducting supplemental operations with a three pilot crew has instructions and information in its manual that no pilot of an airplane that has a crew of three pilots may be on duty for more than 18 hours in any 24 consecutive hours. <i>Sources:</i> 121.507(b); 121.135(a)(1) <i>Interfaces:</i> 4.2.3-op; 7.1.4-op; 3.1.4-op; 3.1.11-op; 7.2.1-op; 2.1.1-op; 2.1.2-op; 2.1.1-aw; 2.1.2-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>1.12.9 Does the Certificate Holder's manual specify both the flight and the duty limitations for four pilot crews in supplemental operations? SRRs: 121.509(a)(1); 121.509(a)(2); 121.509(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a four pilot crew has instructions and information in its manual that no pilot is scheduled for flight deck duty in an airplane that has a crew of four pilots for more than eight hours in any 24 consecutive hours. <i>Sources:</i> 121.509(a)(1); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 7.1.4-op; 2.1.1-op; 2.1.2-op; 3.1.4-op; 4.2.3-op 2. Check that a Certificate Holder conducting supplemental operations with a four pilot crew has instructions and information in its manual that no pilot is scheduled to be aloft in an airplane that has a crew of four pilots for more than 16 hours in any 24 consecutive hours. <i>Sources:</i> 121.509(a)(2); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 2.1.2-op; 3.1.4-op; 4.2.3-op; 7.1.4-op; 7.2.1-op; 2.1.1-op; 3.1.11-op 3. Check that a Certificate Holder conducting supplemental operations with a four pilot crew has instructions and information in its manual that no pilot is scheduled to be on duty in an airplane for more than 20 hours in any 24 consecutive hours. <i>Sources:</i> 121.509(b); 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.11-op; 4.2.3-op; 2.1.1-aw; 3.1.4-op; 2.1.2-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.10 Does the Certificate Holder's manual specify both the flight and the duty limitations for flight engineers in supplemental operations? SRRs: 121.511(a); 121.511(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with one flight engineer has instructions and information in its manual that applies to any operation in which one flight engineer is serving the flight time limitations in 14 CFR 121.503 and 121.505 apply to that flight engineer. <i>Sources:</i> 121.511(a); 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 3.1.11-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 2.1.2-aw; 7.1.4-op; 2.1.1-aw 2. Check that a Certificate Holder conducting supplemental operations with more than one flight engineer has instructions and information in its manual that applies to any operation in which more than one flight engineer is serving and the flight crew contains more than two pilots the flight time limitations in 14 CFR 121.509 apply in place of those in 14 CFR 121.505. <i>Sources:</i> 121.511(b); 121.135(a)(1) 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p><i>Interfaces:</i> 2.1.1-aw; 2.1.2-aw; 7.2.1-op; 7.1.4-op; 4.2.3-op; 2.1.1-op; 3.1.11-op; 3.1.4-op; 2.1.2-op</p>	
<p>1.12.11 Does the Certificate Holder's manual limit the flying time of all airmen to 1,000 hours in any 12 calendar month period? SRRs: 121.515</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual that does not schedule an airman to be aloft as a flight crewmember more than 1,000 hours in any 12 calendar month period. <i>Sources:</i> 121.515; 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 7.1.4-op; 2.1.2-op; 3.1.4-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 3.1.11-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.12 Does the Certificate Holder's manual require pilots in supplemental operations to include all commercial flying in their flight time limitations? SRRs: 121.517</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual so that no airman who is employed by a Certificate Holder does any other commercial flying, if that commercial flying plus his flying in operations under this part will exceed any flight time limitation in this part. <i>Sources:</i> 121.517; 121.135(a)(1) <i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.4-op; 2.1.1-aw; 2.1.2-aw; 3.1.11-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.13 Does the Certificate Holder's manual specify that time spent by an airman in deadhead transportation to or from a duty assignment is not considered to be a part of any rest period? SRRs: 121.519</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual that the time spent by an airman in deadhead transportation to or from a duty assignment is not considered to be part of any rest period. <i>Sources:</i> 121.519; 121.135(a)(1) <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 3.1.11-op; 4.2.3-op; 2.1.1-op; 7.2.1-op; 2.1.2-aw; 2.1.1-aw; 7.1.4-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.14 Does the Certificate Holder's manual prohibit supplemental operations from scheduling anyone in a three person flight crew for more than 12 hours of flight time in any 24 consecutive hours? SRRs: 121.521(a)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of two pilots and one additional airman has instruction and information in its manual so that no airman may be 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>scheduled to be aloft as a member of the flight crew in an airplane that has a crew of two pilots and at least one additional flight crewmember for more than 12 hours during any 24 consecutive hours.</p> <p><i>Sources:</i> 121.521(a); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 7.1.4-op; 7.2.1-op; 2.1.2-op; 4.2.3-op; 3.1.11-op; 3.1.4-op</p>	
<p>1.12.15 Does the Certificate Holder's manual specify the rest requirements for pilots in a three person flight crew in supplemental operations who have flown in excess of 20 hours in 48 consecutive hours or 24 hours in any 72 consecutive hours? SRRs: 121.521(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of two pilots and one additional airman has instruction and information in its manual so that if an airman has been aloft as a member of a flight crew for 20 or more hours during any 48 consecutive hours or 24 or more hours during any 72 consecutive hours, he is given at least 18 hours of rest before being assigned to any duty with the Certificate Holder. <i>Sources:</i> 121.521(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 7.2.1-op; 2.1.1-aw; 7.1.4-op; 4.2.3-op; 3.1.11-op; 3.1.4-op; 2.1.2-op; 2.1.1-op 2. Check that a Certificate Holder conducting supplemental operations with a crew of two pilots and one additional airman has instruction and information in its manual so that if an airman has been aloft as a member of a flight crew for 20 or more hours during any 48 consecutive hours or 24 or more hours during any 72 consecutive hours. In any case, he must be relieved of all duty for at least 24 consecutive hours during any seven consecutive days. <i>Sources:</i> 121.521(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-op; 7.1.4-op; 4.2.3-op; 3.1.4-op; 3.1.11-op; 2.1.2-op; 7.2.1-op; 2.1.1-aw; 2.1.2-aw 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.12.16 Does the Certificate Holder's manual prohibit an airman in a three person crew in supplemental operations from being aloft as a flight crewmember for more than 120 hours in any 30 consecutive days or 300 hours in any 90 consecutive days? SRRs: 121.521(c)(1); 121.521(c)(2)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of two pilots and one additional airman has instruction and information in its manual so that no airman may be aloft as a flight crewmember more than 120 hours during any 30 consecutive days. <i>Sources:</i> 121.521(c)(1); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 2.1.2-op; 2.1.1-aw; 7.2.1-op; 7.1.4-op; 3.1.4-op; 2.1.1-op; 2.1.2-aw; 4.2.3-op 2. 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>Check that a Certificate Holder conducting supplemental operations with a crew of two pilots and one additional airman has instruction and information in its manual so that no airman may be aloft as a flight crewmember more than 300 hours during any 90 consecutive days.</p> <p><i>Sources:</i> 121.521(c)(2); 121.135(a)(1)</p> <p><i>Interfaces:</i> 2.1.2-aw; 7.1.4-op; 3.1.4-op; 2.1.1-aw; 2.1.2-op; 3.1.11-op; 7.2.1-op; 4.2.3-op; 2.1.1-op</p>	
<p>1.12.17 Does the Certificate Holder's manual prohibit scheduling a flight engineer or navigator on an augmented crew during supplemental operations for more than 12 hours of flight deck duty during any consecutive 24 hours?</p> <p>SRRs: 121.523(a)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that no airman is scheduled for flight deck duty as a flight engineer, or navigator in a crew of three or more pilots and additional airmen for a total of more than 12 hours during any 24 consecutive hours. <p><i>Sources:</i> 121.523(a); 121.135(a)(1)</p> <p><i>Interfaces:</i> 7.2.1-op; 2.1.1-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 4.2.3-op; 2.1.2-aw; 3.1.11-op; 2.1.1-aw</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.13 When conducting supplemental operations, does the Certificate Holder's manual specify that each pilot who is both away from his/her base and who is a pilot on an airplane that has an augmented flight crew must be provided:</p>	
<p>1.13.1 Adequate rest periods on the ground?</p> <p>SRRs: 121.523(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that its flight hours are scheduled to provide adequate rest periods on the ground for each airman who is away from his principal operations base. It shall also provide adequate sleeping quarters, as outlined in AC 121-31, on the airplane whenever a pilot is scheduled to fly more than 12 hours during any 24 consecutive hours on the airplane whenever an airman is scheduled to be aloft as a flight crewmember for more than 12 hours during any 24 consecutive hours. <p><i>Sources:</i> 121.523(b); 121.135(a)(1)</p> <p><i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 7.2.1-op; 1.1.2-aw; 2.1.1-op; 3.1.11-op; 2.1.2-aw; 2.1.1-aw; 1.1.2-op; 7.1.4-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.13.2 Adequate sleeping quarters on the airplane whenever an airman is scheduled to fly more than 12 hours during any 24 consecutive hours?</p> <p>SRRs: 121.523(b)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>instruction and information in its manual so that its flight hours are scheduled to provide adequate rest periods on the ground for each airman who is away from his principal operations base. It shall also provide adequate sleeping quarters, as outlined in AC 121-31, on the airplane whenever a pilot is scheduled to fly more than 12 hours during any 24 consecutive hours on the airplane whenever an airman is scheduled to be aloft as a flight crewmember for more than 12 hours during any 24 consecutive hours.</p> <p><i>Sources:</i> 121.523(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-op; 4.2.3-op; 3.1.4-op; 7.2.1-op; 1.1.2-aw; 2.1.1-op; 3.1.11-op; 2.1.2-aw; 2.1.1-aw; 1.1.2-op; 7.1.4-op</p>	
<p>1.14 Does the Certificate Holder's manual prohibit scheduling of any augmented flight crewmembers in supplemental operations for more than 30 hours of continuous duty? SRRs: 121.523(c)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that no flight crewmember is scheduled to be on continuous duty for more than 30 hours. Such a crewmember is considered to be on continuous duty from the time he reports for duty until the time he is released from duty for a rest period of at least 10 hours on the ground. <i>Sources:</i> 121.523(c); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-aw; 2.1.2-aw; 2.1.1-op; 7.2.1-op; 7.1.4-op; 2.1.2-op; 4.2.3-op; 3.1.4-op; 3.1.11-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.15 Does the Certificate Holder's manual specify both the hourly rest requirements and the conditions dictating rest requirements for augmented flight crewmembers in supplemental operations who are scheduled to be on continuous duty in excess of 24 hours? SRRs: 121.523(c)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual that if a flight crewmember is on continuous duty for more than 24 hours (whether scheduled or not) duty any scheduled duty period, he must be given at least 16 hours for rest on the ground after completing the last flight scheduled for that scheduled duty period before being assigned any further flight duty. <i>Sources:</i> 121.523(c); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 2.1.1-aw; 4.2.3-op; 7.1.4-op; 2.1.2-op; 3.1.4-op; 2.1.1-op; 3.1.11-op; 7.2.1-op 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.16 Does the Certificate Holder's manual specify the conditions associated with deadhead transportation in computing duty time limitations for augmented crews in supplemental operations? SRRs: 121.523(d)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p><i>Related Design JTI's:</i></p> <p>1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that if a flight crewmember is required to engage in deadhead transportation for more than 4 hours before beginning flight duty, one half of the time spent in deadhead transportation must be treated as duty time for the purpose of complying with duty time limitations, unless he is given at least 10 hours of rest on the ground before being assigned to flight duty.</p> <p><i>Sources:</i> 121.523(d); 121.135(a)(1) <i>Interfaces:</i> 2.1.1-op; 7.1.4-op; 4.2.3-op; 3.1.4-op; 3.1.11-op; 2.1.1-aw; 7.2.1-op; 2.1.2-op; 2.1.2-aw</p>	
<p>1.17 Does the Certificate Holder's manual specify both the hourly rest requirements and the conditions dictating rest requirements for pilots in supplemental operations with augmented flight crews? SRRs: 121.523(e)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that each airman, upon return to his operations base from any flight or series of flights, a rest period that is at least twice the total number of hours he was aloft as a flight crewmember since the last rest period at his base, before assigning him to any further duty.</p> <p><i>Sources:</i> 121.523(e); 121.135(a)(1) <i>Interfaces:</i> 3.1.11-op; 3.1.4-op; 2.1.2-op; 2.1.1-op; 7.1.4-op; 2.1.2-aw; 7.2.1-op; 2.1.1-aw; 4.2.3-op</p> <p>2. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that if the required rest period is more than 7 days, that part of the rest period that is more than 7 days may be given at any time before the pilot is again scheduled for flight duty.</p> <p><i>Sources:</i> 121.523(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.2-aw; 7.1.4-op; 3.1.4-op; 2.1.1-aw; 2.1.2-op; 4.2.3-op; 7.2.1-op; 2.1.1-op; 3.1.11-op</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.18 Does the Certificate Holder's manual limit the flying time to 350 hours in any 90 consecutive days for airmen serving on augmented flight crews in supplemental operations? SRRs: 121.523(f)</p> <p><i>Related Design JTI's:</i></p> <p>1. Check that a Certificate Holder conducting supplemental operations with a crew of three or more pilots and one additional airman has instruction and information in its manual so that No airman may be aloft as a flight crewmember for more than 350 hours in any 90 consecutive</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>days. <i>Sources:</i> 121.523(f); 121.135(a)(1) <i>Interfaces:</i> 7.2.1–op; 2.1.1–op; 7.1.4–op; 3.1.4–op; 2.1.2–op; 3.1.11–op; 4.2.3–op; 2.1.2–aw; 2.1.1–aw</p>	
<p>1.19 Does the Certificate Holder's manual specify the flight time limitations for pilots serving on more than one kind of flight crew during supplemental operations? SRRs: 121.525(b); 121.525(c); 121.525(d); 121.525(e)</p> <p><i>Related Design JTI's:</i></p> <ol style="list-style-type: none"> 1. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual so that the flight time limitations for a pilot who is scheduled for duty aloft for more than 20 hours in two pilot crews in 30 consecutive days, or whose assignment in such a crew is interrupted more than once in any 30 consecutive days by assignment to a crew of two or more pilots and an additional flight crewmember, are those listed in 14CFR 121.503 through 121.509, as appropriate. <i>Sources:</i> 121.525(b); 121.135(a)(1) <i>Interfaces:</i> 2.1.2–op; 3.1.4–op; 4.2.3–op; 7.2.1–op; 2.1.1–op; 3.1.11–op; 2.1.2–aw; 7.1.4–op; 2.1.1–aw 2. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual so that the flight time limitations for a pilot scheduled for duty aloft for more than 20 hours in two pilot and additional flight crewmember crews in 30 consecutive days or whose assignment in such a crew is interrupted more than once in any 30 consecutive days by assignment to a crew consisting of three pilots and an additional flight crewmember, are those set forth in 14 CFR 121.521. <i>Sources:</i> 121.525(c); 121.135(a)(1) <i>Interfaces:</i> 2.1.1–aw; 2.1.2–aw; 7.2.1–op; 2.1.1–op; 4.2.3–op; 7.1.4–op; 2.1.2–op; 3.1.11–op; 3.1.4–op 3. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual so that the flight time limitations for a pilot not under 14 CFR 121.503 through 121.509 or 121.521 and who is scheduled for duty aloft for a total of not more than 20 hours within 30 consecutive days in two pilot crews (with or without additional flight crewmembers) are those set forth in 14 CFR 121.523. <i>Sources:</i> 121.525(d); 121.135(a)(1) <i>Interfaces:</i> 2.1.2–aw; 2.1.1–aw; 7.1.4–op; 2.1.2–op; 3.1.11–op; 4.2.3–op; 3.1.4–op; 7.2.1–op; 2.1.1–op 4. Check that a Certificate Holder conducting supplemental operations has instruction and information in its manual so that the flight time limitations for a pilot assigned to each of two pilot, two pilot and additional flight crewmember, and three pilot and additional flight crewmember crews in 30 consecutive days and who is not subject to 14 CFR 121.525 Paragraph (b) (c) or (d) of this section are those listed in 14 CFR 121.523. <i>Sources:</i> 121.525(e); 121.135(a)(1) <i>Interfaces:</i> 2.1.1–op; 7.1.4–op; 4.2.3–op; 2.1.2–op; 3.1.4–op; 	<p><input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable</p>

2.1.1-aw; 3.1.11-op; 7.2.1-op; 2.1.2-aw	
1.20 Does the Certificate Holder's manual contain the required references to, or excerpts from, the applicable operations specifications? SRRs: 119.43(b); B.055North Polar Operations	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.21 If the Certificate Holder's manual includes excerpts from its operations specifications, are the excerpts clearly identified as part of the operations specifications? SRRs: 119.43(b)(1)	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.22 Does the Certificate Holder's manual require compliance with the applicable operations specifications? SRRs: 119.43(b)(2); B.055North Polar Operations	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.23 Does the Certificate Holder's manual contain a method for keeping all persons engaged in its operations informed of the provisions of the applicable operations specifications? SRRs: 119.43(c); B.055North Polar Operations	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.24 Does the Certificate Holder's Flight Crewmember Flight / Duty / Rest Time process comply with the guidance in FAA Order 8400.10? <i>Related Design JTI's:</i> 1. Check that the Certificate Holder has instruction and information in its manual for Long-range Flightcrew requirements. The following long-range flightcrew issue needs to be addressed by the operator: The rest plan needs to be submitted to the POI for review and approval. <i>Sources:</i> 8400.10–Volume III Chapter 1, Section 4, Paragraph 71 B.055North Polar Operations <i>Interfaces:</i> 3.1.4-op; 2.1.2-op; 3.1.11-op; 2.1.1-op; 7.2.1-op; 7.1.4-op; 4.2.3-op; 2.1.2-aw; 2.1.1-aw	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

SAI SECTION 1 – PROCEDURES ATTRIBUTE –Drop Down Menu
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 data collection tool 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 manual system to ensure that the most important manual policies, procedures or instructions and information will be complied with.

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 the associated who, what, when, where and how type questions. 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:

- 2 Are the following controls built into the Flight Crewmember Flight / Duty / Rest Time process:

2.1 Is there a control in place to ensure that the Certificate Holder schedules required rest periods for its flight crewmembers?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.2 Is there a control in place to ensure that the Certificate Holder's flight crewmembers meet rest requirements prior to reporting to duty?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.3 Is there a control in place to ensure that the Certificate Holder schedules so as not to exceed flight deck duty limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.4 Is there a control in place to ensure that the Certificate Holder prohibits flight crewmembers from exceeding specified flight time limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.5 Is there a control in place to ensure that the Certificate Holder's flight crewmembers meet flight time limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
2.6 Does the Certificate Holder have a documented method for assessing the impact of any changes made to the controls in the Flight Crewmember Flight / Duty / Rest Time process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

SAI SECTION 2 – CONTROLS ATTRIBUTE –Drop Down Menu
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 data collection tool 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 basically 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 that would otherwise occur, 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 & Surveillance System (for Airworthiness or Maintenance/Inspection related issues). The Director of Safety and the Quality Assurance Department often work in conjunction to accomplish this function for the Certificate Holder. This approach simply requires amendment of the Safety Program/Internal Evaluation Program audit forms or checklists and the Continuous Analysis & 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:

- 3 Does the Certificate Holder's Flight Crewmember Flight / Duty / Rest Time process include the following process measurements:

3.1 Process measurements that would reveal if the Certificate Holder failed to schedule required rest periods for its flight crewmembers?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.2 Process measurements that would reveal if the Certificate Holder's flight crewmembers did not meet rest requirements prior to reporting to duty?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.3 Process measurements that would reveal if the Certificate Holder failed to schedule so as not to exceed flight deck duty limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.4 Process measurements that would reveal if records indicate that the Certificate Holder failed to prohibit flight crewmembers from exceeding specified flight time limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.5 Process measurements that would reveal if the Certificate Holder's flight crewmembers exceeded flight time limitations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.6 Does the Certificate Holder document its process measurement methods and results?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.7 Does the organization that conducts the process measurements have direct access to the person with responsibility for the Flight Crewmember Flight / Duty / Rest Time process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

SAI SECTION 3 – PROCESS MEASUREMENT ATTRIBUTE –Drop Down Menu
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 data collection tool are designed to assist the inspector in determining whether or not interactions between the procedures, policies or instructions and information associated with other independent processes within the Certificate Holder's organization are documented. Written procedures, policies or instructions and information that are interrelated and located in different manuals within the Certificate Holder's manual system need to be consistent and complement each other. For the interfaces to be effectively managed, it is not only important to identify what the interfaces are, but it is imperative to document the specific location of the interfaces within the Certificate Holder's manual system.

Tasks

To meet this objective, the inspector must accomplish the following tasks:

- 1 Review the interfaces associated with the Flight Crewmember Flight / Duty / Rest Time process that have been identified along with the individual questions in the Procedures Section (1) of this data collection tool.
- 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: ALL EXPLANATIONS IN THE DROP DOWN MENU FOR "NO" ANSWERS MUST INCLUDE THE INDIVIDUAL QUESTION NUMBER FROM THE PROCEDURES SECTION (1) OF THIS DATA COLLECTION TOOL AND THE ELEMENT NUMBER(S) OF THE INTERFACE(S) THAT WERE NOT ADDRESSED.

4. Does the Certificate Holder's manual:

- | | |
|--|--|
| 4.1 Properly address the interfaces that are identified along with the individual questions in the Procedures Section (1)? | <input type="checkbox"/> Yes
<input type="checkbox"/> No, Explain |
| 4.2 Document a method for assessing the impact of any changes to the associated interfaces within the Flight Crewmember Flight / Duty / Rest Time process? | <input type="checkbox"/> Yes
<input type="checkbox"/> No, Explain |
| 4.3 List additional interfaces identified during the accomplishment of this SAI. | |

SAI SECTION 4 – INTERFACES ATTRIBUTE –Drop Down Menu
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 ATTRIBUTE

Objective: The questions in this section of the data collection tool 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 Flight Crewmember Flight / Duty / Rest Time process.
- 2 Identify the person who has overall authority for the Flight Crewmember Flight / Duty / Rest Time 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:

5. Are the following aspects of the Management Responsibility and Authority Attributes addressed in the Flight Crewmember Flight / Duty / Rest Time process:
 - 5.1 Does the Certificate Holder's manual clearly identify who is responsible for the quality of the Flight Crewmember Flight / Duty / Rest Time process?

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <input style="width: 100%;" type="text"/>
--	---
 - 5.2 Does the Certificate Holder's manual clearly identify who has authority to establish and modify the policies, procedures, instructions, and information for the Flight Crewmember Flight / Duty / Rest Time process?

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <input style="width: 100%;" type="text"/>
--	---
 - 5.3 Does the Certificate Holder's manual include the duties and responsibilities of those who manage the work required by the Flight Crewmember Flight / Duty / Rest Time process?
SRRs: 121.135(b)(2)

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--
 - 5.4 Does the Certificate Holder's manual include instructions and information for those who manage the work required by the Flight Crewmember Flight / Duty / Rest Time process?
SRRs: 121.135(a)(1)

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--
 - 5.5 Does the Certificate Holder's manual clearly and completely document the authority for this position?

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--
 - 5.6 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having responsibility for the Flight Crewmember Flight / Duty / Rest Time process?

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--
 - 5.7 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having authority to establish and modify the Certificate Holder's policies, procedures, instructions, and information for the Flight Crewmember Flight / Duty / Rest Time process?

	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--

5.8 Does the Certificate Holder's manual clearly and completely document the procedures for delegation of authority for the Flight Crewmember Flight / Duty / Rest Time process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
--	--

SAI SECTION 5 – MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE –Drop Down Menu
1. Not documented.
2. Documentation unclear.
3. Documentation incomplete.
4. Other.