

2.1.7 (OP) Flight Crewmember Flight / Duty / Rest Time, Design Assessment, OP, Peer Group E - Part 135 (HAA), Revision: 7.0 on 07/14/2016

Unscoped DCT Report (Standard DCT)

MLF Label: 2.1.7 (OP) Flight Crewmember Flight / Duty / Rest Time (Released)

DCT Type: ED DCT

Specialty: Operations

Peer Group: E - Part 135 (HAA)

DCT Revision: 7.0 on 07/14/2016 (Released)

Summary Information

Purpose (Certificate Holder Responsibility): To schedule flight crewmembers using flight time limitations, rest and duty periods.

Objective (FAA Responsibility): Determine if the CH will be able to; (1) Comply with regulations; (2) Schedule crewmembers using flight limitations, rest and duty periods.

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

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<p>NOTE:</p> <p>Safety Attribute: Management Authority, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010630, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>3. Are there process measurements that provide for the continuous monitoring and measuring of safety performance related to this element, to identify deficiencies or hazards?</p> <p>NOTE:</p> <p>Safety Attribute: Process Measurement, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010622, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	
<p>4. Do the procedures specify that no Operator may assign any flight crewmember to any duty during any required rest period?</p> <p>NOTE: The time a crewmember spends in transportation provided by the Operator to an airport where he or she will serve as a flight crewmember or from an airport where the crewmember was relieved from duty to return to his or her home station is not considered part of a rest period.</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 1.0 09/20/2012, QID: 00002258, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.263(b); 135.263(c)</p>
<p>5. Do the procedures specify that no certificate holder may assign any flight crewmember, and no flight crewmember may accept an assignment, for flight time as a member of a one- or two-pilot crew if that crewmember's total flight time in all commercial flying will exceed:</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>	<p>135.267(a)</p>

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<p>#1 500 hours in any calendar quarter; #2 800 hours in any two consecutive calendar quarters; and #3 1,400 hours in any calendar year?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002264, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Not Applicable</p>	
<p>6. Do the procedures specify that, except as required in 135.267(c), during any 24 consecutive hours the total flight time of the assigned flight when added to any other commercial flying by that flight crewmember may not exceed:</p> <p>#1 8 hours for a flight crew consisting of one pilot; and #2 10 hours for a flight crew consisting of two pilots qualified under 14 CFR Part 135 for the operation being conducted?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002268, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.267(b); 135.267(c)</p>
<p>7. Do the procedures specify that if the flight crewmember's flight time exceeds 135.267(b) flight times, the appropriate rest requirements are provided per 135.267(c)?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 2.0 03/18/2016, QID: 00002271, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.267(b); 135.267(c)</p>

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<p>8. Do the procedures specify that each assignment under 135.267(b) must provide for at least 10 consecutive hours of rest during the 24-hour period that precedes the planned completion time of the assignment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135"), Rev. 2.0 03/18/2016, QID: 00002272, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.267(b); 135.267(d)</p>
<p>9. Do the procedures specify that when a flight crewmember has exceeded the daily flight time limitations in 135.267 because of circumstances beyond the certificate holder's or flight crewmember (such as adverse weather conditions), the rest period before being assigned or accepting an assignment must be at least:</p> <p>#1 11 consecutive hours of rest if the flight time limitation is exceeded by not more than 30 minutes;</p> <p>#2 12 consecutive hours of rest if the flight time limitation is exceeded by more than 30 minutes, but not more than 60 minutes; and</p> <p>#3 16 consecutive hours of rest if the flight time limitation is exceeded by more than 60 minutes?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135"), Rev. 3.0 03/18/2016, QID: 00002273, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.267(e)</p>
<p>10. Do the procedures specify that the certificate holder must provide each flight crewmember at least 13 rest periods of at least 24 consecutive hours each in each calendar quarter?</p> <p>NOTE:</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>135.267(f)</p>

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<p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 2.0 03/18/2016, QID: 00002277, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>11. Do the procedures specify that no certificate holder may assign any flight crewmember, and no flight crewmember may accept an assignment in hospital emergency medical evacuation service operations, for flight time if that crewmember's total flight time in all commercial flying will exceed:</p> <p>#1 500 hours in any calendar quarter; #2 800 hours in any two consecutive calendar quarters; and #3 1,400 hours in any calendar year?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 4.0 03/18/2016, QID: 00002293, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(a)</p>
<p>12. Do the procedures specify that no certificate holder may assign a helicopter flight crewmember and no flight crewmember may accept an assignment for hospital emergency medical evacuation service helicopter operations unless that assignment provides for at least 10 consecutive hours of rest immediately preceding reporting to the hospital for availability?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002297, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; A021; 135.271(b)</p>
<p>13. Do the procedures specify that no flight crewmember may accrue more than 8 hours of flight time during any 24-consecutive hour period of a hospital emergency medical evacuation assignment?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(c)</p>

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<p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002298, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>14. Do the procedures specify that if an emergency medical evacuation is prolonged, and if a flight crewmember exceeds the daily 8 hour flight time limitation, they must be relieved of the hospital emergency medical evacuation assignment immediately upon the completion of that emergency medical evacuation operation and must be given a rest period in compliance with 135.271(h)?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002299, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(c); 135.271(h)</p>
<p>15. Do the procedures specify that a flight crewmember must be relieved of a hospital emergency medical evacuation assignment if he or she has not or cannot receive at least 8 consecutive hours of rest during any 24 hour period of that assignment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002300, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(d)</p>
<p>16. Do the procedures specify that a hospital emergency medical evacuation assignment may not exceed 72 consecutive hours at the hospital?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(e)</p>

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<p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002301, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>17. Do the procedures specify that an adequate place of rest must be provided at, or in close proximity to, the hospital at which the hospital emergency medical evacuation assignment is being performed?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 3.0 03/18/2016, QID: 00002302, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>8900.1 Vol 4 Ch 5 Sec 3; AC-135-14; A021; 135.271(f)</p>
<p>18. Do the procedures specify that the certificate holder may not assign other duties to a flight crewmember during a hospital emergency medical evacuation assignment?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 2.0 03/18/2016, QID: 00002303, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>135.271(g)</p>
<p>19. Do the procedures specify for hospital emergency medical evacuation service operations that the certificate holder must provide each flight crewmember at least 13 rest periods of at least 24 consecutive hours each in each calendar quarter?</p> <p>NOTE:</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input type="radio"/> Not Applicable</p>	<p>135.271(i)</p>

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<p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "135") , Rev. 2.0 03/18/2016, QID: 00002304, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>		
<p>20. Do procedures exist in enough detail to meet the regulatory and guidance requirements for this element to produce the intended results?</p> <p>NOTE:</p> <p>Safety Attribute: Procedures, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART = "145") , Rev. 5.0 07/12/2016, QID: 00010595, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	
<p>21. Do controls exist to ensure processes associated with this element achieve the intended results?</p> <p>NOTE: Controls associated with this element may include, but are not limited to, hardware, software, special procedures or procedural steps, checklists, or supervisory practices.</p> <p>Safety Attribute: Controls, Question Type: Output Validation, Scoping Attribute: (FAR PART = "145") OR (FAR PART = "121") OR (FAR PART = "135") , Rev. 4.0 07/12/2016, QID: 00010681, Response Details: EP & ED DCTs (Both OP and AW), Status: Released</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	
<p>22. Does the certificate holder have a method to evaluate the impact of changes on related processes (interfaces) for this element?</p> <p>NOTE:</p> <p>Safety Attribute: Interfaces, Question Type: Output Validation, Scoping Attribute: (FAR PART = "121") OR (FAR PART = "135") OR (FAR PART =</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Applicable</p>	

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"145" , Rev. 5.0 07/12/2016, QID: 00010623, Response Details: EP & ED DCTs (Both OP and AW), Status: Released

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

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2	Equipment not equipped/authorized
3	Not applicable due to exemption, deviation, or exception
4	Not authorized by regulation
5	Not authorized by Order
6	Not authorized by Notice
7	Not authorized/recommended by Advisory Circular
8	Not authorized by Policy Letter, Legal Interpretation, or other guidance
9	Other