

**Element Performance Inspection (EPI) Data Collection Tool
5.1.7 Special Navigation Areas of Operation (OP)**

ELEMENT SUMMARY INFORMATION

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

- To ensure continuous navigational reliability in accordance with the Certificate Holder's Special Navigation Areas of Operation ("Special Use Airspace") authorizations.

Objective (FAA oversight responsibility):

- To determine if the Certificate Holder follows its procedures, controls, process measurements and interfaces for the Special Navigation Areas of Operation process.
- To determine if there were any changes in the personnel identified by the Certificate Holder as having responsibility and/or authority for the Special Navigation Areas of Operation process.

Specific Instructions:

- Intentionally Left Blank

Related EPI(s):

- 3.1.13 Other Personnel with Operational Control (OP)
- 4.2.3 Training of Flight Crewmembers (OP)
- 4.3.3 Advanced Qualification Program (AQP) (OP)

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirement(s) (SRRs):

- SRRs:
 - 119.43(b)
 - 119.43(b)(1)
 - 119.43(b)(2)
 - 119.43(c)
 - 119.49(a)
 - 119.49(a)(6)
 - 119.49(b)
 - 119.49(b)(6)
 - 121.135(a)(1)
 - 121.135(b)(1)
 - 121.135(b)(19)

121.135(b)(2)
121.135(b)(21)
121.135(b)(3)
121.135(b)(5)
121.135(b)(6)
121.135(b)(7)
121.355(a)(1)
121.355(a)(2)
121.445(d)(1)
121.445(d)(2)
121.445(d)(3)
121.627(b)
91.187(a)
91.187(b)(1)
91.187(b)(2)
91.187(b)(3)
91.187(b)(4)
91.703(a)(1)
91.703(a)(2)
91.703(a)(3)
91.703(a)(4)
91.705(a)
91.705(a)(1)
91.705(a)(2)

Related CFR(s) & FAA Policy/Guidance:

- Related CFRs:
Intentionally left blank
- FAA Policy/Guidance:
FAA Order 8400.10, Volume 4, Chapter 1

EPI SECTION 1 – PERFORMANCE OBSERVABLES			
Objective: (FAA oversight responsibility): To determine if the Certificate Holder follows its procedures, controls, process measures and interfaces for the Special Navigation Areas of Operation.			
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 policies, procedures, instructions and information for the Special Navigation Areas of Operation process contained in the Certificate Holder's manual.		
3	Review the associated SAI for this element with emphasis on the controls, process measurements and interface attribute sections.		
4	Observe the Special Navigation Areas of Operation process to gain an understanding of the procedures, instructions and information contained in the Certificate Holder's manual.		
5	Discuss the Special Navigation Areas of Operation process with the personnel (other than management) who perform the duties and responsibilities required by the process.		
Questions			
To meet this objective, the inspector must answer the following questions:			
1	Were the following Performance Measures met:		
1.1	<table border="0"> <tr> <td style="width: 70%; vertical-align: top;"> <p>Were flight crewmembers who were assigned to operate within special navigation areas properly qualified?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of navigation equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 2. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with 14CFR Part 91.705 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 3. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Reduced Vertical Separation Minimum (RVSM) airspace the operation is conducted in compliance with 14CFR Part 91.706 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 4. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with appendix C of </td> <td style="width: 30%; vertical-align: top; padding-left: 10px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain </td> </tr> </table>	<p>Were flight crewmembers who were assigned to operate within special navigation areas properly qualified?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of navigation equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 2. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with 14CFR Part 91.705 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 3. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Reduced Vertical Separation Minimum (RVSM) airspace the operation is conducted in compliance with 14CFR Part 91.706 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 4. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with appendix C of 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>Were flight crewmembers who were assigned to operate within special navigation areas properly qualified?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of navigation equipment occurring in flight in accordance with the Certificate Holder's design. <i>Sources: 91.187(a)</i> 2. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with 14CFR Part 91.705 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 3. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Reduced Vertical Separation Minimum (RVSM) airspace the operation is conducted in compliance with 14CFR Part 91.706 in accordance with the Certificate Holder's design. <i>Sources: 91.703(a)(4)</i> 4. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures when within Minimum Navigation Performance Specifications (MNPS) airspace the operation is conducted in compliance with appendix C of 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain		

- 14CFR Part 91 in accordance with the Certificate Holder's design.
Sources: 91.705(a)(1)
5. Check at the aircraft cockpit by interviewing a flight crewmember to ensure that he/she understands that they may not operate a civil aircraft of U.S. registry in airspace designated as Minimum Navigation Performance Specifications airspace unless the aircraft is authorized by the Administrator to perform such operation in accordance with the Certificate Holder's design.
Sources: 91.705(a)(2)
 6. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of approach equipment occurring in flight in accordance with the Certificate Holder's design.
Sources: 91.187(a)
 7. Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of the en route flight operations in accordance with the Certificate Holder's design.
Sources: 121.135(b)(5)
 8. Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of navigation operations in accordance with the Certificate Holder's design.
Sources: 121.135(b)(5)
 9. Check at the aircraft cockpit by interviewing a flight crewmember to ensure they are knowledgeable of en route long range communications in accordance with the Certificate Holder's design.
Sources: 121.135(b)(5)
 10. Check at the aircraft cockpit by interviewing a flight crewmember, if any item of equipment required for the particular type of operation becomes inoperative or unserviceable to ensure he/she is knowledgeable of procedures for the continuance enroute in accordance with the Certificate Holder's design.
Sources: 121.135(b)(5)
 11. Check at the aircraft cockpit of an air carrier conducting flag and/or domestic operations by interviewing a pilot to ensure he/she is knowledgeable of the appropriate information for each route procedure in accordance with the Certificate Holder's design.
Sources: 121.135(b)(21)
 12. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is familiar with the procedures associated with malfunction of communication equipment occurring in flight in accordance with the Certificate Holder's design.

- Sources:* 91.187(a)
13. Check at the aircraft cockpit of an air carrier conducting flag and/or domestic operations by interviewing a pilot to ensure he/she is knowledgeable of the appropriate information for each airport qualification in accordance with the Certificate Holder's design.
Sources: 121.135(b)(21)
 14. Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command between terminals over a route or area that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design : (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.
Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)
 15. Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command between terminals over a route or area that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.
Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)
 16. Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command between terminals that require qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as

- pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.
Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)
17. Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command between terminals over a route or area that requires qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.
Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)
18. Check at the air carrier specified location by reviewing training records to ensure that they have not used any person as pilot in command over a route that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.
Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)
19. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with annex 2 (Rules of the Air) to the Convention on International Civil Aviation in accordance with the Certificate Holder's design.
Sources: 91.703(a)(1)
20. Check at the air carrier specified location by reviewing training records to ensure that no person has served as pilot in command over a route that requires a special type of navigation qualification unless, within the preceding 12 calendar months, that person has demonstrated qualification on the applicable navigation system in a

manner acceptable to the Administrator, by one of the following methods in accordance with the Certificate Holder's design: (1) By flying over a route or area as pilot in command using the applicable special type of navigation system. (2) By flying over a route or area as pilot in command under the supervision of a check airman using the special type of navigation system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G.

Sources: 121.455(d)(1); 121.455(d)(2); 121.455(d)(3)

21. Check at the aircraft cockpit by interviewing the pilot in command to ensure he/she is knowledgeable of the air carrier manual system procedures that if any instrument or item of equipment required under 14CFR Part 121 for the particular operation becomes inoperative en route, the pilot in command shall comply with those approved procedures for such an occurrence in accordance with the Certificate Holder's design.
Sources: 121.627(b)
22. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.117(c) in accordance with the Certificate Holder's design.
Sources: 91.703(a)(1)
23. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.127 in accordance with the Certificate Holder's design.
Sources: 91.703(a)(1)
24. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.129 in accordance with the Certificate Holder's design.
Sources: 91.703(a)(1)
25. Check at the aircraft cockpit by interviewing a flight crewmember and to ensure he/she is familiar with the procedures associated with flying over the high seas in compliance with 14CFR Part 91.131 in accordance with the Certificate Holder's design.
Sources: 91.703(a)(1)
26. Check at the aircraft cockpit by interviewing a flight crewmember to ensure he/she is familiar with the regulations relating to the flight and maneuver of aircraft while in a foreign country in accordance with the Certificate Holder's design.
Sources: 91.703(a)(2)

<p>1.2 Were dispatchers who were assigned duties for special navigation areas of operation properly qualified?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the dispatch center by interviewing an aircraft dispatcher, if any item of equipment required for the particular type of operation becomes inoperative or unserviceable to ensure they are knowledgeable of flight dispatch procedures in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5) 2. Check at the dispatch center of an air carrier conducting flag and/or domestic operations by interviewing a dispatcher to ensure he/she is knowledgeable of the appropriate information for each airport qualification in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21) 3. Check at the dispatch center of an air carrier conducting flag and/or domestic operations by interviewing a dispatcher to ensure he/she is knowledgeable of the appropriate information for each route qualification in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(21) 4. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the special navigation requirements that are applicable to the routes and areas being served as authorized in OPSS paragraph B050 (Authorized Areas Of En Route Operation, Limitations, and Procedures) in accordance with the Certificate Holder's design. <i>Sources:</i> B.050Authorized En Route Operations, Limitations 5. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the special navigation requirements that are applicable to North Polar Operations in OPSS paragraph B055 in accordance with the Certificate Holder's design. <i>Sources:</i> B.055North Polar Operations 6. Check at the dispatch center by interviewing a dispatcher to ensure that he/she understands the requirements for special areas of navigation operations not specifically referenced by OPSS, e.g. Russian Metric Altitudes, to ensure those procedures meet the requirements of FAA Order 8400.10, Volume 4, Chapter 1, Section 5. in accordance with the Certificate Holder's design. <i>Sources:</i> FAA Order 8400.10, Volume 4, Chapter 1, Section 5 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
<p>1.3 Were flight followers who were assigned duties for special navigation areas of operation properly qualified?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the air carrier specified location by interviewing a flight follower, if any item of equipment required for the particular type of operation becomes inoperative or unserviceable to ensure they are knowledgeable of flight release procedures in accordance with the Certificate Holder's design. <i>Sources:</i> 121.135(b)(5) 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

<p>1.4 Were aircraft meeting the requirements for special navigation areas of operation used in those operations?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the air carrier specified location to ensure no operation has been conducted using a Inertial Navigation system outside the 48 contiguous States and the District of Columbia, unless such systems have been approved in accordance with 14CFR Part 121 Appendix G. in accordance with the Certificate Holder's design. <i>Sources: 121.355(a)(1)</i> 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>1.5 Were required flight crew member actions accomplished prior to and after entering special navigation areas of operation?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>2 Were the Certificate Holder's policies, procedures, instructions and information, contained in its manual, for the Special Navigation Areas of Operation process followed?</p> <p><i>Related Performance JTI's:</i></p> <ol style="list-style-type: none"> 1. Check at the air carrier specified location that conducts domestic operations to determine that they have obtained operations specifications for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(a)(6)</i> 2. Check at the air carrier specified location that conducts flag operations to determine that they have obtained operations specifications for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(a)(6)</i> 3. Check at the air carrier specified location that conducts supplemental operations to determine that they have obtained operations specifications for the routes and areas of operation in accordance with the Certificate Holder's design. <i>Sources: 119.49(b)(6)</i> 	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>3 Were the Special Navigation Areas of Operation process controls followed?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>4 Did the records for the Special Navigation Areas of Operation process comply with the instructions provided in the Certificate Holder's manual?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>5 Were the process measurements for the Special Navigation Areas of Operation process effective in identifying problems or potential problems and providing corrective action for them?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
<p>6 Did personnel properly handle the associated interfaces by complying with other written policies, procedures, instructions and information that are related to this element?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

EPI SECTION 1 – PERFORMANCE OBSERVABLES –Drop Down Menu
1. Personnel.
2. Tools and Equipment.
3. Technical Data.
4. Procedures, policies or instructions or information.
5. Materials.
6. Facilities.
7. Controls.
8. Process Measures.
9. Interfaces.
10. Desired Outcome.
11. Other.

EPI SECTION 2 – MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES	
Objective: To determine if the person identified by the Certificate Holder having responsibility and/or authority for the Special Navigation Areas of Operation is qualified, knowledgeable, and recognizes that responsibility and/or authority. (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 Special Navigation Areas of Operation process.
2	Identify the person who has overall authority for the Special Navigation Areas of Operation process.
NOTE: If no personnel or major program changes (as defined by the Principal Inspector) affecting the responsibility or authority attributes for this element have occurred since the last SAI and/or EPI was accomplished, then do not perform tasks 3 – 6. Answer questions 2.1 & 2.2, and provide the name/title.	
3	Review the duties and responsibilities for the person(s) who manage the Special Navigation Areas of Operation process documented in the Certificate Holder's manual.
4	Review the appropriate organizational chart.
5	Discuss the Special Navigation Areas of Operation process with the management personnel identified in Tasks 1 and 2.
6	Evaluate the qualifications and work experience of the management personnel identified in Tasks 1 and 2.
Questions	
To meet this objective, the inspector must answer the following questions:	
2.	Are the following aspects of the Management Responsibility and Authority Attributes addressed for the Special Navigation Areas of Operation process:
2.1	Is there a clearly identified person who is responsible for the quality of the Special Navigation Areas of Operation process? <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <input type="text"/>
2.2	Is there a clearly identified person who has authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the Special Navigation Areas of Operation process? <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title: <input type="text"/>
2.3	Does the responsible person know that he/she has responsibility for the Special Navigation Areas of Operation process? <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.4	Does the person with authority know that he/she has authority for the Special Navigation Areas of Operation process? <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.5	Does the person with responsibility for the Special Navigation Areas of Operation process meet the qualification standards? <input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

2.6 Does the person with authority to establish and modify the Special Navigation Areas of Operation process meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.7 Does the person with responsibility understand the controls, process measurements, and interfaces associated with the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.8 Does the person with authority understand the controls, process measurements, and interfaces associated with the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.9 Does the responsible person know who has authority to establish and modify the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.10 Does the individual with authority know who has the responsibility for the Special Navigation Areas of Operation process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable

EPI SECTION 2 – MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES –Drop Down Menu
1. Assignment of responsibility.
2. Assignment of authority.
3. Does not understand procedures, policies or instructions and information.
4. Does not understand controls.
5. Does not understand process measurements.
6. Does not understand interfaces.
7. Span of control.
8. Position vacant.
9. Other.