Safety Attribute Inspection (SAI) 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):

- To determine if the certificate holder's Special Navigation Areas of Operation process meets all applicable requirements of Title 14 of the Code of Federal Regulations (14 CFR) and FAA policies.
- To determine if the certificate holder's Special Navigation Areas of Operation process incorporates the safety attributes.
- To identify any shortfalls in the certificate holder's Special Navigation Areas of Operation process.

Specific Instructions:

- Intentionally left blank

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirements (SRRs):

- SRRs:

  119.43(b)
  119.43(b)(1)
  119.43(b)(2)
  119.43(c)
  119.49(a)(6)
  119.49(b)(6)
  121.135(a)(1)
  121.135(b)(2)
  121.135(b)(22)
  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 App..G
  91.703(a)(1)
  91.703(a)(2)
  91.703(a)(3)
  91.703(a)(4)
  91.705(a)

- SRRs:

  91.705(a)(1)
  91.705(a)(2)
  B.036Class II Nav., Using Multiple LRNS
  B.037Operations in CEP Airspace
  B.038Operations in NOPAC Airspace
  B.039Operations in NAT/MNPS Airspace
  B.040Operations in Areas of Magnetic Unreliability
  B.050Authorized En Route Operations, Limitations
  B.055North Polar Operations

Related CFRs & FAA Policy/Guidance:

- Related CFRs:

  Intentionally left blank

- FAA Policy/Guidance:

  FAA Order 8900.1, Volume 4, Chapter 1, Section 5
  FAA Order 8400.33

SAI Section 1 - Procedures Attribute
Objective: Procedures, instructions, and information are documented methods for accomplishing a process. The certificate holder's policies should establish their compliance posture. Policies may be stand-alone statements, or they may be imbedded within procedures, instructions, or information regarding a particular regulatory requirement. The questions in this section of the data collection tool (DCT) are designed to assist the inspector in determining if the certificate holder has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated questions regarding who, what, when, where, and how. This section 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 DCT.
2.	Review the duties and responsibilities for management and other personnel identified by the certificate holder who accomplish the Special Navigation Areas of Operation process.
3.	Review the certificate holder's Special Navigation Areas of Operation process to ensure that it contains policies, procedures, instructions, and information necessary for personnel to perform their duties and responsibilities with a high degree of safety.

Questions		
	To meet this objective, the inspector must answer the following questions:	
1.	Does the certificate holder's Special Navigation Areas of Operation process meet the specific regulatory and FAA policy requirements	
1.1.	Does the certificate holder's Special Navigation Areas of Operation process specify that when operating a civil aircraft of U.S. registry outside of the United States, the certificate holder will:	
1.1.1	When engaged in extended overwater operations, comply with annex 2 (Rules of the Air) to the Convention on International Civil Aviation? SRRs: 91.703(a)(1)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.1.2	When engaged in extended overwater operations, comply with 14 CFR part 91, section 91.117(c)? SRRs: 91.703(a)(1)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.1.3	When engaged in extended overwater operations, comply with 14 CFR part 91, sections 91.127, 91.129, and 91.131? SRRs: 91.703(a)(1) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system information and instructions necessary to allow personnel concerned for each U.S. registered aircraft when over the high seas, comply 14CFR Part 91.127. *Sources:* 121.135(a)(1); 91.703(a)(1) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP) 2. Check that the Certificate Holder's manual system information and instructions necessary to allow personnel concerned for each U.S. registered aircraft when over the high seas, comply 14CFR Part 91.129.	☐ Yes ☐ No, Explain ☐ Not Applicable

	Sources: 121.135(a)(1); 91.703(a)(1) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP) 3. Check that the Certificate Holder's manual system includes information and instructions necessary to allow personnel concerned for each U.S. registered aircraft when over the high seas, comply 14CFR Part 91.131. *Sources:* 121.135(a)(1); 91.703(a)(1) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP)	
1.1.4	When within the airspace of a foreign country, comply with the regulations relating to flight operations within that airspace? SRRs: 91.703(a)(2)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.1.5	Comply with 14 CFR part 91 insofar as it is consistent with applicable regulations of the foreign country where the aircraft is operated or Annex 2 of the Convention on International Civil Aviation? SRRs: 91.703(a)(3)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.1.6	When operating within airspace designated as Minimum Navigation Performance Specifications (MNPS) airspace, comply with 14 CFR part 91, section 91.705? SRRs: 91.703(a)(4)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.2.	Does the certificate holder's Special Navigation Areas of Operation process specify that the certificate holder will operate a civil aircraft of U.S. registry in MNPS airspace only if the aircraft has approved navigation performance capability that complies with the requirements of 14 CFR part 91, appendix C? SRRs: 91.705(a)(1)	☐ Yes ☐ No, Explain
1.3.	Does the certificate holder's Special Navigation Areas of Operation process specify that the certificate holder will operate a civil aircraft of U.S. registry in MNPS airspace only if the operator is authorized by the Administrator to perform such operations? SRRs: 91.705(a)(2)	☐ Yes ☐ No, Explain
1.4.	Does the certificate holder's Special Navigation Areas of Operation process contain authorization and limitations for routes and areas of operations (domestic, flag, or supplemental)? SRRs: 119.49(a)(6); 119.49(b)(6) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains instructions to ensure each certificate holder conducting domestic operations obtains operations specifications. (Containing authorization and limitations for routes and areas of operations). *Sources:* 119.49(a)(6); 121.135(b)(26) *Interfaces:* 3.1.3(OP); 3.1.4(OP); 3.2.1(OP) 2. Check that the Certificate Holder's manual system contains instructions to ensure each certificate holder conducting flag operations obtains operations specifications. (Containing authorization and limitations for routes and areas of operations). *Sources:* 119.49(a)(6); 121.135(b)(26) *Interfaces:* 3.1.3(OP); 3.1.4(OP); 3.2.1(OP) 3. Check that the Certificate Holder's manual system contains instructions to ensure each certificate holder conducting supplemental operations obtains operations specifications. (Containing authorization and	☐ Yes ☐ No, Explain

	limitations for routes and areas of operations). *Sources:* 119.49(b)(6); 121.135(b)(26) *Interfaces:* 3.1.3(OP); 3.1.13(OP); 3.2.1(OP)	
1.5.	Does the certificate holder's Special Navigation Areas of Operation process contain the following for operations in MNPS airspace:	
1.5.1	En route flight procedures? SRRs: 121.135(b)(5)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.2	Navigation procedures? SRRs: 121.135(b)(5)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.3	Communication procedures? SRRs: 121.135(b)(5)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.4	Procedures for the dispatch, release, or continuance of flight if any item of equipment required for the particular type of operation becomes inoperative or unserviceable en route? SRRs: 121.135(b)(5) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains instructions necessary to allow personnel concerned for the flight dispatch if any item of equipment required for the particular type of operation becomes inoperative or unserviceable. *Sources:* 121.135(b)(1); 121.135(b)(5) *Interfaces:* 3.1.3(OP); 3.2.1(OP); 3.2.3(OP) 2. Check that the Certificate Holder's manual system contains instructions necessary to allow personnel concerned for the flight release if any item of equipment required for the particular type of operation becomes inoperative or unserviceable. *Sources:* 121.135(b)(1); 121.135(b)(5) *Interfaces:* 3.1.3(OP); 3.2.1(OP); 3.2.3(OP) 3. Check that the Certificate Holder's manual system contains information and instructions necessary to allow personnel concerned for the continuance if any item of equipment required for the particular type of operation becomes inoperative or unserviceable enroute. *Sources:* 121.135(a)(1); 121.135(b)(5) *Interfaces:* 3.1.3(OP); 3.2.1(OP); 3.2.3(OP)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.5	For domestic or flag operations, appropriate information from the en route operations specifications, including for each approved route the types of airplanes authorized, the type of operation such as Visual Flight Rules (VFR), Instrument Flight Rules (IFR), day, night, and any other pertinent information? SRRs: 121.135(b)(6) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains instructions on conducting domestic operations and that the manual contains appropriate information from the en route operations specifications that	☐ Yes ☐ No, Explain ☐ Not Applicable

	is appropriate for each group of personnel. *Sources:* 121.135(b)(26); 121.135(b)(6) *Interfaces:* 3.1.3(OP); 3.2.1(OP); 3.2.3(OP) 2. Check that the Certificate Holder's manual system contains instructions conducting flag operations, manual contains appropriate information from the en route operations specifications is included therein, that is appropriate for each group of personnel. *Sources:* 121.135(b)(26); 121.135(b)(6) *Interfaces:* 3.1.3(OP); 3.2.1(OP); 3.2.3(OP)	
1.5.6	For supplemental operations, appropriate information from the operations specifications, including the area of operations authorized, the types of airplanes authorized, the type of operation such as VFR, IFR, day, night, and any other pertinent information? SRRs: 121.135(b)(7)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.7	Where applicable, pilot route and airport qualification procedures? SRRs: 121.135(b)(22) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains instructions for conducting flag and/or domestic operations manual contains appropriate information for the pilots for each route procedure. *Sources:* 121.135(b)(21); 121.135(b)(26) *Interfaces:* 3.1.3(OP) 2. Check that the Certificate Holder's manual system contains instructions for conducting flag and/or domestic operations manual contains appropriate information for the pilots for each airport qualification. *Sources:* 121.135(b)(21); 121.135(b)(26) *Interfaces:* 3.1.3(OP)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.5.8	Where applicable, dispatcher route and airport qualification procedures? SRRs: 121.135(b)(22) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains instructions for conducting flag and/or domestic operations manual contains appropriate information for the dispatcher for each airport qualification. *Sources:* 121.135(b)(21); 121.135(b)(26) *Interfaces:* 3.1.3(OP) 2. Check that the Certificate Holder's manual system contains instructions for conducting flag and/or domestic operations manual contains appropriate information for the dispatcher for each route qualification. *Sources:* 121.135(b)(21); 121.135(b)(26) *Interfaces:* 3.2.1(OP)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.6.	Does the certificate holder's Special Navigation Areas of Operation process specify that the certificate holder will conduct operations using a Doppler Radar or Inertial Navigation System outside the 48 contiguous United States and the District of Columbia, only if such systems have been approved in accordance with 14 CFR part 121, appendix G? SRRs: 121.355(a)(1); 121 App..G	☐ Yes ☐ No, Explain ☐ Not Applicable

	Related Design JTIs: 1. Check that the Certificate Holder has instruction to ensure that the FAA-approved airplane flight manual, or supplement thereto, must include pertinent material as required to define the normal operating procedures and applicable operating limitations associated with INS performance (such as maximum latitude at which ground alignment capability is provided, or deviations between systems). *Sources:* 121 App..G(2)(g); 121.135(b)(26) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP) 2. Check that the Certificate Holder has instruction to ensure that the FAA-approved airplane flight manual, or supplement thereto, must include pertinent material as required to define the emergency operating procedures and applicable operating limitations associated with INS performance (such as maximum latitude at which ground alignment capability is provided, or deviations between systems). *Sources:* 121 App..G(2)(g); 121.135(b)(26) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP) 3. Check that the Certificate Holder's training manual for flight crewmember initial training includes duties and responsibilities as it pertains to Inertial Navigation Systems. *Sources:* 121 App..G(5)(a) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 4. Check that the Certificate Holder's training manual for dispatcher initial training includes duties and responsibilities as it pertains to Inertial Navigation Systems. *Sources:* 121 App..G(5)(a) *Interfaces:* 4.2.5(OP); 4.3.3(OP) 5. Check that the Certificate Holder's training manual for pilots include theory for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 6. Check that the Certificate Holder's training manual for pilots include procedures for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 7. Check that the Certificate Holder's training manual for pilots include limitations for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 8. Check that the Certificate Holder's training manual for pilots include detection of malfunctions for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 9. Check that the Certificate Holder's training manual for pilots include preflight testing for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP) 10. Check that the Certificate Holder's training manual for pilots include inflight testing for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1)	

		Interfaces: 4.2.3(OP); 4.3.3(OP)	
	11.	Check that the Certificate Holder's training manual for pilots include cross-checking methods for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(1) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	12.	Check that the Certificate Holder's training manual for pilots include use of computers for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	13.	Check that the Certificate Holder's training manual for pilots include an explanation of all systems for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	14.	Check that the Certificate Holder's training manual for pilots include compass limitation for high latitudes for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	15.	Check that the Certificate Holder's training manual for pilots include review of navigation for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	16.	Check that the Certificate Holder's training manual for pilots include flight planning for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	17.	Check that the Certificate Holder's training manual for pilots include applicable meteorology for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(2) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	18.	Check that the Certificate Holder's training manual for pilots include the methods for updating by means of reliable fixes for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(3) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	19.	Check that the Certificate Holder's training manual for pilots include the actual plotting of fixes for Inertial Navigation Systems. *Sources:* 121 App..G(5)(b)(4) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	20.	Check that the Certificate Holder's training manual for pilots include abnormal procedures for Inertial Navigation Systems. *Sources:* 121 App..G(5)(c) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	21.	Check that the Certificate Holder's training manual for pilots include emergency procedures for Inertial Navigation Systems. *Sources:* 121 App..G(5)(c) *Interfaces:* 4.2.3(OP); 4.3.3(OP)	
	22.	Check that the Certificate Holder's training manual for dispatchers include abnormal procedures for Inertial Navigation Systems. *Sources:* 121 App..G(5)(c)	

	Interfaces: 4.2.5(OP); 4.3.3(OP) 23. Check that the Certificate Holder's training manual for dispatchers include emergency procedures for Inertial Navigation Systems. *Sources:* 121 App..G(5)(c) *Interfaces:* 4.2.5(OP); 4.3.3(OP)	
1.7.	Does the certificate holder's Special Navigation Areas of Operation process specify that the certificate holder will use, as pilot in command (PIC) between terminals over a route or area that requires a special type of navigation qualification, a person who within the preceding 12 calendar months has demonstrated qualification on the applicable navigation system in a manner acceptable to the Administrator, by one of the following methods:	
1.7.1	Flying over a route or area as PIC using the applicable special type of navigation system? SRRs: 121.445(d)(1) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command between terminals that require special qualification unless within the preceding 12 calendar months, that person has demonstrated qualification in a manner acceptable to the Administrator by one of the following methods: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 2. Check that the Certificate Holder's manual system contains information to ensure that no person will serve as pilot in command between terminals that require special qualification unless within the preceding 12 calendar months, that person has demonstrated qualification in a manner acceptable to the Administrator by one of the following methods: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 3. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over a route 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3)	☐ Yes ☐ No, Explain

	Interfaces: 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 4. Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over a route 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 5. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 6. Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
1.7.2	Flying over a route or area as PIC under the supervision of a check airman using the special type of navigation system? SRRs: 121.445(d)(2) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command between terminals that require special qualification unless within the preceding 12 calendar months, that person has demonstrated qualification in a manner acceptable to the Administrator by one of the following methods: (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	☐ Yes ☐ No, Explain

		system. (3) By completing the training program requirements of 14CFR Part 121 Appendix G. *Sources:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
	2.	Check that the Certificate Holder's manual system contains information to ensure that no person will serve as pilot in command between terminals that require special qualification unless within the preceding 12 calendar months, that person has demonstrated qualification in a manner acceptable to the Administrator by one of the following methods: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
	3.	Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over a route 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
	4.	Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over a route 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
	5.	Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3)	

	Interfaces: 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 6. Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
1.7.3	Completing the training program requirements of 14 CFR part 121, appendix G? SRRs: 121.445(d)(3) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains information to ensure that no person will serve as pilot in command between terminals that require special qualification unless within the preceding 12 calendar months, that person has demonstrated qualification in a manner acceptable to the Administrator by one of the following methods: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 2. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over a route 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 3. Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over a route 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: (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	☐ Yes ☐ No, Explain

	Appendix G. *Sources:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 4. Check that the Certificate Holder's manual system contains information to ensure that they will not use any person as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 5. Check that the Certificate Holder's manual system contains information to ensure that no person may serve as pilot in command over an 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: (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:* 121.135(b)(26); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP)	
1.8.	Does the certificate holder's Special Navigation Areas of Operation process comply with the guidance contained in FAA Order 8900.1, Volume 4, Chapter 1, Section 5?	☐ Yes ☐ No, Explain
1.9.	Does the certificate holder's Special Navigation Areas of Operation process comply with the guidance contained in FAA Order 8400.33, paragraphs 9 and 10?	☐ Yes ☐ No, Explain ☐ Not Applicable
1.10.	Does the certificate holder s manual contain the required references to, or excerpts from, the operations specifications listed in the Supplemental Information section of this safety attribute inspection (SAI)? SRRs: 119.43(b); B.050Authorized En Route Operations, Limitations; B.055North Polar Operations; B.036Class II Nav., Using Multiple LRNS; B.037Operations in CEP Airspace; B.038Operations in NOPAC Airspace; B.039Operations in NAT/MNPS Airspace; B.040Operations in Areas of Magnetic Unreliability	☐ Yes ☐ No, Explain
1.11.	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)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.12.	Does the certificate holder s manual require compliance with operations specifications listed in the Supplemental Information section of this safety attribute inspection (SAI)? SRRs: 119.43(b)(2)	☐ Yes ☐ No, Explain

1.13.	Does the certificate holder s Special Navigation Areas of Operation process contain a method for keeping all persons engaged in its operations informed of the provisions of the operations specifications listed in the Supplemental Information section of this safety attribute inspection (SAI)? SRRs: 119.43(c)	☐ Yes ☐ No, Explain
2.	Does the certificate holder's manual contain general policies for the Special Navigation Areas of Operation process that comply with the SRRs? SRRs: 91.703(a)(4); 91.705(a); 121.355(a)(1); 121.355(a)(2); 121.445(d)(3); 91.703(a)(1); 91.703(a)(2) *Related Design JTIs:* 1. Check that the Certificate Holder's manual system contains a policy to ensure each certificate holder conducting domestic operations must obtain operations specifications containing authorization and limitations for routes and areas of operations. *Sources:* 119.49(a)(6); 121.135(b)(1) *Interfaces:* 3.1.3(OP); 3.1.4(OP); 3.2.1(OP) 2. Check that the Certificate Holder's manual system contains a policy to ensure each certificate holder conducting flag operations must obtain operations specifications containing authorization and limitations for routes and areas of operations. *Sources:* 119.49(a)(6); 121.135(b)(1) *Interfaces:* 3.1.3(OP); 3.1.4(OP); 3.2.1(OP) 3. Check that the Certificate Holder's manual system contains a policy to ensure each certificate holder conducting supplemental operations must obtain operations specifications containing authorization and limitations for routes and areas of operations. *Sources:* 119.49(b)(6); 121.135(b)(1) *Interfaces:* 3.1.3(OP); 3.1.13(OP); 3.2.1(OP) 4. Check that the Certificate Holder's manual contains a policy statement to ensure that they may not use any person, nor may any person serve, 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: (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:* 121.135(b)(1); 121.445(d)(1); 121.445(d)(2); 121.445(d)(3) *Interfaces:* 4.2.3(OP); 4.2.7(OP); 4.3.3(OP) 5. Check that the Certificate Holder's manual system contains a policy to ensure that the FAA-approved airplane flight manual, or supplement thereto, must include pertinent material as required to define the normal and emergency operating procedures and applicable operating limitations associated with INS performance (such as maximum latitude at which ground alignment capability is provided, or deviations between systems). *Sources:* 121 App..G(2)(g); 121.135(b)(1) *Interfaces:* 3.1.3(OP); 4.2.3(OP); 4.3.3(OP)	☐ Yes ☐ No, Explain

3.	Does the certificate holder's manual reference the appropriate Federal Aviation Regulations listed in the Supplemental Information section of this safety attribute inspection (SAI)? SRRs: 121.135(b)(3)	☐ Yes ☐ No, Explain
4.	Does the certificate holder's manual contain the duties and responsibilities for personnel who will accomplish the Special Navigation Areas of Operation process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
5.	Does the certificate holder's manual include instructions and information for personnel to meet the requirements of the Special Navigation Areas of Operation process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain

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 DCT 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 system to ensure that the most important policies, procedures, or instructions and information will be followed. 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 questions regarding who, what, when, where, and how. 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:	
1.	Are the following controls built into the Special Navigation Areas of Operation process:	
1.1.	Is there a control or controls in place to ensure that flight crewmembers who are assigned to operate within special navigation areas of operation are properly qualified?	☐ Yes ☐ No, Explain
1.2.	Is there a control or controls in place to ensure that dispatchers who are assigned duties for special navigation areas of operation are properly qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
1.3.	Is there a control or controls in place to ensure that flight followers who are assigned duties for special navigation areas of operation are properly qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
1.4.	Is there a control or controls in place to ensure that aircraft used in special navigation areas of operation meet the requirements for those operations?	☐ Yes ☐ No, Explain
1.5.	Is there a control or controls in place to ensure that required flight crewmember actions are accomplished before and after entering special navigation areas of operation?	☐ Yes ☐ No, Explain
2.	Does the certificate holder have a documented method for assessing the impact of any changes made to the controls in the Special Navigation Areas of Operation process?	☐ Yes ☐ 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 DCT 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 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, 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 and Surveillance System (for airworthiness or maintenance/inspection-related issues). The director of safety and the quality assurance department often work together to accomplish this function for the certificate holder. This approach requires amendment of the safety program/internal evaluation program audit forms or checklists and the Continuous Analysis and 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:	
1.	Does the certificate holder's Special Navigation Areas of Operation process include the following process measurements:	
1.1.	Is there a process measurement or process measurements that would identify if flight crewmembers who were assigned to operate within special navigation areas of operation were not properly qualified?	☐ Yes ☐ No, Explain
1.2.	Is there a process measurement or process measurements that would identify if dispatchers who were assigned duties for special navigation areas of operation were not properly qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
1.3.	Is there a process measurement or process measurements that would identify if flight followers who were assigned duties for special navigation areas of operation were not properly qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
1.4.	Is there a process measurement or process measurements that would identify if aircraft used in special navigation areas of operation did not meet the requirements for those operations?	☐ Yes ☐ No, Explain
1.5.	Is there a process measurement or process measurements that would identify if required flight crewmember actions were not accomplished before and after entering special navigation areas of operation?	☐ Yes ☐ No, Explain

2.	Is there a process measurement or process measurements that would reveal if the certificate holder s policy, procedures, instructions, and information were not followed?	☐ Yes ☐ No, Explain
3.	Does the certificate holder document its process measurement results?	☐ Yes ☐ No, Explain
4.	Does the certificate holder use its process measurement results to improve its programs?	☐ Yes ☐ No, Explain
5.	Does the organization that conducts the process measurements have direct access to the person with responsibility for the Special Navigation Areas of Operation process?	☐ Yes ☐ 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 DCT are designed to assist the inspector in determining whether or not interactions between the policies, procedures, or instructions and information associated with other independent processes within the certificate holder's organization are documented. Written policies, procedures, or instructions and information that are interrelated and located in different areas within the certificate holder's system must be consistent and complement each other. For the interfaces to be effectively managed, the certificate holder's system should identify and document the interfaces.

Tasks	
	To meet this objective, the inspector must accomplish the following tasks:
1.	Review the interfaces associated with the Special Navigation Areas of Operation process that have been identified along with the individual questions in section 1, Procedures, of this DCT.
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: The design job task items (JTIs) displayed with the questions in section 1, Procedures, of this DCT identify potential interfaces (by element number) for this element.	
1.	Does the certificate holder s system properly address the interfaces that are identified along with the questions in section 1, Procedures, of this DCT?	☐ Yes ☐ No, Explain
2.	Does the certificate holder document a method for assessing the impact of any changes to the associated interfaces within the Special Navigation Areas of Operation process.	☐ Yes ☐ No, Explain

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 Attributes	
Objective: The questions in this section 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 Special Navigation Areas of Operation process.
2.	Identify the person who has overall authority for the Special Navigation Areas of Operation 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:	
1.	Does the certificate holder clearly identify who is responsible for the quality of the Special Navigation Areas of Operation process?	☐ Yes ☐ No, Explain Name/Title:
2.	Does the certificate holder clearly identify who has authority to establish and modify the policies, procedures, instructions, and information for the Special Navigation Areas of Operation process?	☐ Yes ☐ No, Explain Name/Title:
3.	Does the certificate holder's manual include the duties and responsibilities of those who manage the work required by the Special Navigation Areas of Operation process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
4.	Does the certificate holder's manual include instructions and information for those who manage the work required by the Special Navigation Areas of Operation process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
5.	Does the certificate holder clearly and completely document the responsibility for this position?	☐ Yes ☐ No, Explain
6.	Does the certificate holder clearly and completely document the authority for this position?	☐ Yes ☐ No, Explain
7.	Does the certificate holder clearly and completely document its qualification standards for the person having responsibility for the Special Navigation Areas of Operation process?	☐ Yes ☐ No, Explain
8.	Does the certificate holder clearly and completely document its qualification standards for the person having authority to establish and modify the certificate holder's policies, procedures, instructions, and information for the Special Navigation Areas of Operation process?	☐ Yes ☐ No, Explain

9.	Does the certificate holder clearly and completely document the procedures for delegation of authority for the Special Navigation Areas of Operation process?	☐ Yes ☐ No, Explain

SAI Section 5 - Management Responsibility & Authority Attributes Drop-Down Menu
1. Not documented.
2. Documentation unclear.
3. Documentation incomplete.
4. Other.