FLIGHT TECHNOLOGIES AND PROCEDURES DIVISION

PSOC

Procedures Statement of Compliance

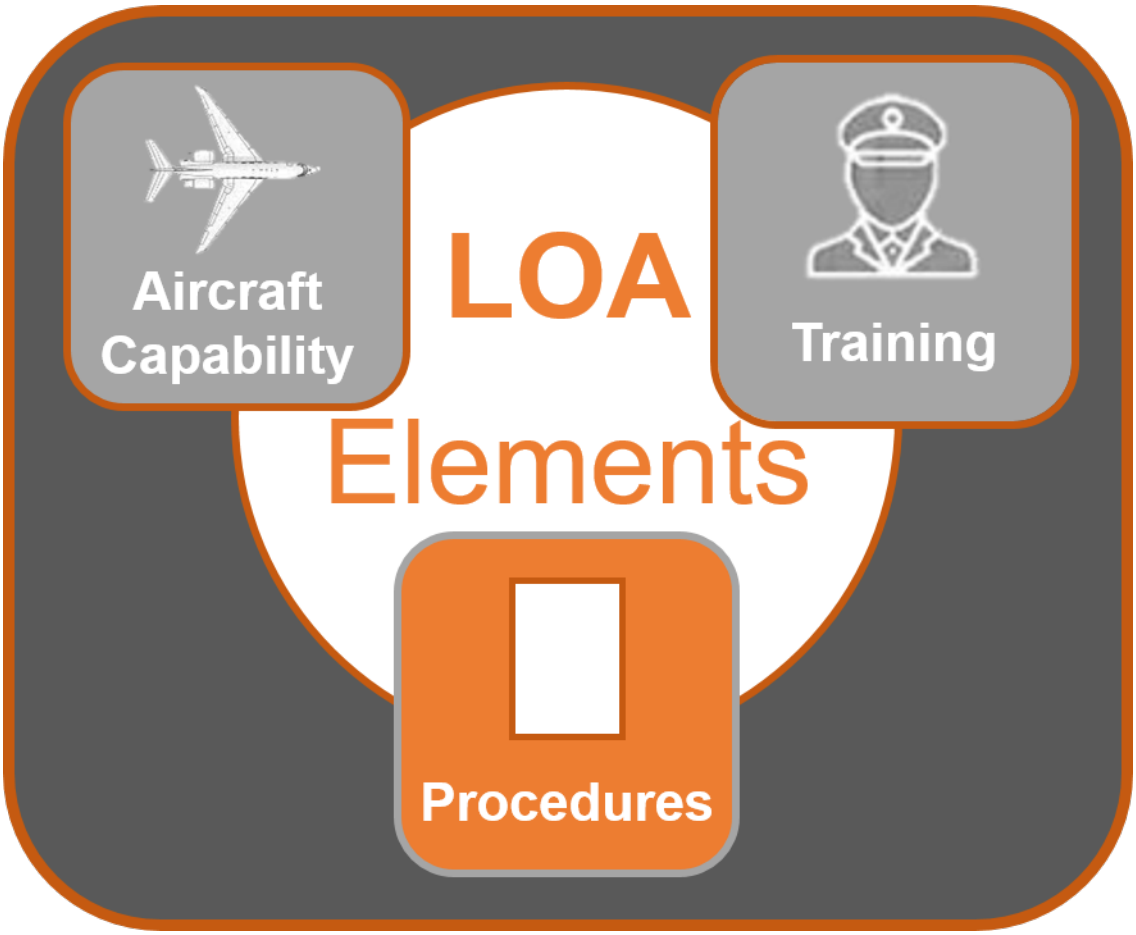
A Publication Provider's Guide for Obtaining FAA Acceptance

Version 3.1

NextGEN

FEDERAL AVIATION ADMINISTRATION

FLIGHT TECHNOLOGIES AND PROCEDURES DIVISION



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Document Changes

Version	Date	Description of Change
1.0		Initial Operating Capability (IOC) version
1.1	11/8/2021	• Addied 1.5 Manual Revision(s) • Edited Table 3-2, PSOC Attachments • Added to B.1, Oceanic, International and Operations References • Renumbered tables
1.2	12/16/2021	• Updated Appendix C by revising table C-1 from 23 to 8 manual requirements for RVSM.
2.0	3/5/2022	• Revised paragraph 1.1, p.1 • Added all LOAs to Table 1.1 and note, p.1 • Revised paragraph 1.2, p.2 • Revised all introduction to sections and appendices • Deleted “Compliant” column to all appendices tables • Added application type of new and revised to 1.3 Application and move it to section 2, p.3 • Deleted Section 1.4 and 1.5, p.3 • Revised Table 2-1 with a row for Proposed PSOC and a row for Supporting Documentation
3.0	5/15/2023	• Revised document with multiple edits and changes
3.1	8/7/2024	• Corrected broken links

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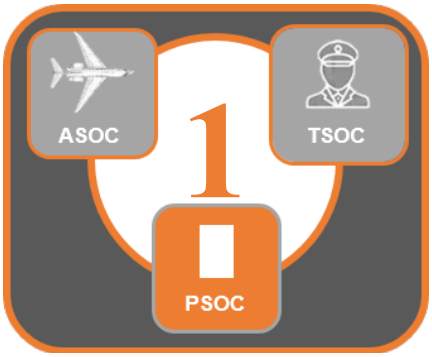

Section 1 | Introduction

1.1 Overview

This guide identifies the documentation and information that should be included in an application requesting acceptance of a Procedures Statement of Compliance (PSOC). This guide will help ensure the application includes the documentation FAA policy specialists need to verify the procedural compliance stated in the PSOC. An FAA-accepted PSOC is a critical component of the Streamlined Part 91 Operational Approval Application.

Table 1-1 LOAs applicable to a PSOC

LOA	Title
A056	Data Link Communications ***Note:*** *FANS or ATN may be authorized*
B036	Oceanic and Remote Continental Navigation Using Multiple Long-Range Navigation Systems (M-LRNS) ***Note:*** *Only RNP 2, 4, and 10 may be authorized*
B039	Operations in North Atlantic High Level Airspace (NAT HLA)
B046	Operations in Reduced Vertical Separation Minimum (RVSM) Airspace
B054	Oceanic and Remote Airspace Navigation Using a Single Long-Range Navigation System.

PSOC

1.2 Application Instructions

This guide serves as an application for PSOC acceptance when all sections have been filled out and supporting documentation attached. Contacting the FAA's Streamlined Part 91 Operational Approval Specialist prior to preparing/submitting an application may facilitate the review process.

1. Fill out the information and attach the documentation requested in Section 2.
   Note: Providing the references in the appendices and/or highlighting areas of the manual may facilitate the specialist's review of the application.
2. Email the completed application to the Flight Technologies and Procedures Division. The subject line of the email should read "Request for PSOC Acceptance".

Visit the following web-page for more information on
Streamlined Part 91 Operational Approvals

We appreciate any feedback to improve this application guide.

Contact the Flight Technologies and Procedures Division at:
Email: 9-AWA-AVS-AFS-400-Flight-Technologies-Procedures@faa.gov

Section 2 | Application

2.1 Application Information

Date:

Publication Provider Information:

Business Name:

Contact Name and Position:

Contact Phone:

Contact Email:

2.2 Compliance Documentation

Check Box	Attachments
☐	**Proposed Procedures Statement of Compliance (PSOC)**. Attach the proposed PSOC. The industry standard template for a PSOC is found on the GAMA website.
☐	**Master Manual.** Attach a copy of the master manual with the proposed PSOC page incorporated. Application processing may be facilitated if the compliant procedures in the appendices of this guide are highlighted in the master manual.
☐	**Description of the Manual Revision Process.** Attach a description of the process for creating/ revising a client manual. The description should describe the process used to create a manual for a client and the process used to keep the contents of the client's manual current.

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Appendix A | A056 Procedures Compliance

A.1 Data Link Communications

The overarching guidance for an A056 authorization is Advisory Circular AC 90-117, *Data Link Communication*. Table A-1 below lists FAA publication requirements for an A056 authorization. For each procedural compliance item in this Appendix, list the page(s) where the procedure(s) is addressed. Highlighting is recommended.

Table A-1 A056 Procedure Requirements

Item Number	Procedure Requirements	Reference
1	Documentation of procedures for establishing and maintaining voice communications (including any required SELCAL check(s)). **Note:** In-flight publications should include a listing of ATSU identifiers required for international operations. *Source: AC 90-117, p.5-5*	
2	Documentation of data link monitoring process with procedures to address substandard performance; *Source: AC 90-117, p. 6-1 and 6-2*	
3	Documentation of procedures to report data link communication failures and/or problems. This should include contacting the appropriate Data Link Monitoring Agency (DLMA) for your area of operation; *Source: AC 90-117, p. 8-1*	

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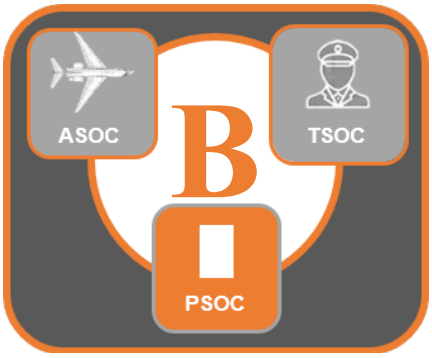

Appendix B | B036, B039, or B054 Procedures Compliance

B.1 Oceanic and Remote Continental Operations and Required Navigation Performance (RNP)

The overarching guidance for oceanic and remote continental authorizations is found in Advisory Circular AC 91-70, *Oceanic and Remote Continental Airspace Operations* and AC 90-105, *Approval Guidance for RNP Operations and Barometric Vertical Navigation in the U.S. National Airspace System and in Oceanic and Remote Continental Airspace*. As a quick reference,Table B-1 lists FAA publication requirements for a B036, B039, or B054 authorization.

For each procedural compliance item in this Appendix, list the page(s) where the procedure(s) is addressed. Highlighting is recommended.

Table B-1 B036, B039, or B054 Procedure Requirements

Item Number	Procedure Requirements	Reference
1	Operational procedures for verifying the RNP value set in the FMS matches the equipment capability and authorizations as annotated in the ATC flight plan prior to entering oceanic and remote continental airspace. *Source: AC 90-105( ), Appendices: E, F, and G, paragraphs: E.9.5.5, F.8.3.5, and G.11.3.5*	
2	Established operating procedures for the RNP system and how those procedures are controlled. Checklist for LRNS operation. *Source: AC 90-105( ), Chapter 7, paragraph 7.5.1., Item 2 and 3*	
3	If aircraft is equipped with Global Navigation Satellite System (GNSS) only systems, documentation of an approved GNSS availability prediction program ensuring the requisite availability of the GNSS Fault Detection and Exclusion (FDE) function. *Source: AC 90-105( ), Appendices: E, F, and G, paragraphs L E.8.2.1, F.4.3.1 and G.7.1*	

Item Number	Procedure Requirements	Reference
4	Pilot procedures for the manual entry of waypoints (i.e., latitude and longitude) for flexible route structures if applicable to the operation. Documentation of how such manually entered points are displayed on the navigation display and in the FMS (i.e., how they are labeled / named). *Source: AC 90-105( ), Appendices: E, F, and G, paragraphs: E.9.5, F.8.3, and G.11.3.1*	
5	LRNS preflight procedures and included pilot procedures to confirm the correct route is loaded. *Source: AC 90-105( ), Appendix F and G, paragraph: F.8.3.1 and G.11.3.2; AC 91.70( ), Chapter 6, paragraph 6.3, Chapter 7, paragraph 7.4.2*	
6	Pilot cross-checking procedures to identify navigation errors in sufficient time to prevent an inadvertent deviation from ATC-cleared routes. Procedures should include cross-checking aircraft position at a point approximately 10 minutes after oceanic waypoint passage using one of the following methods: • Manually plotting on a chart, or • Use of aircraft FMS-driven navigation displays and indications. *Source: AC 90-105( ), Appendices E and F, paragraphs: E.9.5.6 and F.8.3.5, ;* *AC 91-70( ), Chapter 6, paragraph 6.4.8.2*	
7	Checklist used for oceanic operations. *Source: AC 91-70( ), Appendix D*	
8	Emergency and contingency procedures. These procedures may be due to: • Inability to comply with assigned clearance due to meteorological conditions, aircraft performance, or pressurization failure. • En route diversion across the prevailing traffic flow. • Loss of, or significant reduction in, the required navigation capability when operating in airspace where the navigation performance accuracy is a prerequisite to the safe conduct of flight operations. Includes procedures for performing turn back and diversion procedures. *Source: AC 91-70( ), Appendix F*	
9	Operational procedures for performing Strategic Lateral Offset Procedure (SLOP). *Source: AC 90-105( ), Appendices: E, F, and G: paragraph E.9.5.8 and F.8.3.8; AC 91-70( ), paragraph 6.4.3.4.2*	

Item Number	Procedure Requirements	Reference
10	For multi-sensor systems, pilot procedures to verify the correct sensor is being used for position computation. *Source: AC 90-105( ), Appendices: E, F, and G, paragraphs: E.9.6*	
11	Source Documents: These references should be listed in your manual. • Title 14 of the Federal Code of Regulations (14 CFR) • ICAO Document 4444, Procedures for Air Navigation Services—Air Traffic Management (PANS-ATM) • ICAO Document 7030, Regional Supplementary Procedures • ICAO Document 9574, Manual on a 300 m (1000 ft) Vertical Separation Minimum Between FL 290 and FL 410 Inclusive • ICAO Document 9613, Performance Based Navigation (PBN) Manual • ICAO Document 10037, Global Operational Data Link Operation (GOLD) (Controller-Pilot Data Link Communication (CPDLC), Automatic Dependent Surveillance-Contract (ADS-C)) • ICAO Annex 2, Rules of the Air • ICAO Annex 6, Operation of Aircraft (Parts I, II, and III as applicable) • ICAO NAT Document 007, North Atlantic Operations and Airspace Manual • Aeronautical Information Publication (AIP), United States of America—Relevant Material • AC 90-96, Approval of U.S. Operators and Aircraft to Operate Under Instrument Flight Rules (IFR) In European Airspace Designated for Basic Area Navigation (B-RNAV)/RNAV 5 and Precision Area Navigation (P-RNAV). • AC 90-105, Approval Guidance for RNP Operations and Barometric Vertical Navigation in the U.S. National Airspace System and in Oceanic and Remote Continental Airspace. • AC 91-70, Oceanic and Remote Continental Airspace Operations.	

Item Number	Procedure Requirements	Reference
11	Source Documents Continued: • AC 91-85, Authorization of Aircraft and Operators for Flight in Reduced Vertical Separation Minimum Airspace. • AC 135-42, Extended Operations (ETOPS) and Operations in the North Polar Area. • FAA North Atlantic (NAT) Resource Guide for United States Operators, • Pacific Resource Guide for U.S. Operators, or West Atlantic Route System, Gulf of Mexico, Caribbean Resource Guide for U.S. Operators, • Required Navigation Performance (RNP) • ICAO Paris Website • Eurocontrol (SKYbrary). • State Department Travel Alerts and Transportation Safety Administration (TSA) Alerts • Notices to Airmen and Special Federal Aviation Regulations (SFAR)	
12	• North American Routes (NAR) – Information on where to find them.	
13	• Track Messages – Procedures to locate and carry on flights. 1. North Atlantic 2. PACOTS	
14	• ICAO Flight Plans. Explanation and correct codes.	
15	Computer Flight Plan (CFP). AC 91-70( ), Chapter 5 Aeronautical Information Publication (AIP), ENR 1.10 Explanation of requirements, procedures for crosschecks.	

Item Number	Procedure Requirements	Reference
16	Airspace Requirements – Communications/Navigation/Surveillance equipage 1. North Atlantic 2. Pacific 3. Gulf of Mexico 4. New York Oceanic – West Explanation/description of requirements to operate in the various oceanic airspace.	
17	Weather Charts 1. Terminal Aerodrome Forecast (TAF), Aviation Routine Weather Report (METAR), andsignificant weather (SIGWX). 2. 700 millibars (mb), 500 mb, 400 mb, 300 mb, 250 mb. Procedures for obtaining, listing of what should be included in a weather package.	
18	Driftdown – Considerations for terrain, alternates, performance (SKYbrary)	
19	World Geodetic System 84 (WGS 84) – Brief description. Procedures for operations in non-WGS 84 areas. Where to find non-WGS 84 compliant countries (SKYbrary).	
20	State Operating Restrictions – discussion on cabotage, AIPs, etc. (AOPA)	
21	Metric Altimetry procedures in China and Russia (AC 91-70)	
22	Accident/Incident reporting procedures – 49 CFR Part 830 (NTSB) and Part 175 (Hazardous Materials Regulations)	
23	Procedures for loss of communications 1. Oceanic airspace 2. North Atlantic (NAT doc 007) 3. AIM	

Item Number	Procedure Requirements	Reference
24	Procedures for interception	
25	Procedures/information on ditching / Automated Mutual-Assistance Vessel rescue (AMVER)	
26	Procedures for master time source (AC 91-70)	
27	Navigation accuracy check procedures	
28	Procedures for QFE altimetry operations. Procedures for Transition Altitude/Transition Level. Discussion of millibars/ Hectopascals (SKYbrary)	
29	Transponder Procedures 1. NAT HLA 2. General oceanic 3. PACOTS Flight Planning Guidance 4. New York Oceanic - West, AIP, ENR 7.13	
30	Volcanic Ash 1. NAT Resource Guide (see volcanic ash links) 2. Procedures for an inadvertent volcanic ash encounter (SKYbrary)	
31	Space Weather 1. Procedures for obtaining information on solar activity 2. Procedures for HF radio blackout due to solar activity	
32	Operational Control, Part 91, Subpart K	
33	Mach Number Technique 1. Procedures 2. Applicable areas 3. Operations Without Assigned Fixed Speed (OWAFS)	

Item Number	Procedure Requirements	Reference
34	Conditional Clearance and Re-clearance procedures/discussion (SKYbrary)	

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Appendix C | B046 Procedures Compliance

C.1 Reduced Vertical Separation Minimum (RVSM)

The overarching guidance for a B046 authorizations is Advisory Circular AC 91-85 , *Authorization of Aircraft and Operators for Flight in Reduced Vertical Separation Minimum (RVSM) Airspace*. As a quick reference, Table C-1 lists FAA procedural requirements for a B046 authorization as per AC 91-85.
For each procedural compliance item in this Appendix, list the page(s) where the procedure(s) is addressed. Highlighting is recommended.

Table C-1 B046 Procedure Requirements

Item Number	Procedure Requirements	Reference
1	Procedures to ensure, prior to operation in RVSM designated airspace, the status of the operator and aircraft with regard to RVSM approval, including RVSM minimum equipment requirements, adherence to any RVSM operating limitations, correct flight plan filing requirements and preflight procedures are met. *Source: AC 91-85, Appendix B, Para. 3.1, 3.2*	
2	Procedures to ensure required equipment is operational prior to entry into RVSM airspace and to request amended clearance to avoid RVSM airspace, if any of the following equipment is not operating: • Two primary altitude measurement systems; • One automatic altitude control system; • One altitude alerting device; and • An operational transponder(s), and TCAS, where required. *Source: AC 91-85, Appendix B, Paragraph 3.3*	
3	Pilot Procedures that emphasize correct setting on all primary and standby altimeters to include when passing through the appropriate Transition Altitude and rechecking after reaching initial cleared flight level (CFL). Additionally, cross checking procedures, with intervals of approximately one hour, that ensure a minimum of two primary altimeters agree within 200 ft. or a lessor value if specified in the aircraft operating manual. The initial crosscheck of the standby altimeter should be recorded. *Source: AC 91-85, Appendix B, Paragraph 3.4*	

Item Number	Procedure Requirements	Reference
4	Pilot Procedures to ensure the aircraft automatic altitude control system must be operative and engaged during cruise, unless circumstances dictate otherwise, and the altitude altering system must be operational and used. *Source: AC 91-85, Appendix B, Paragraph 3.4*	
5	Pilot procedures to ensure during cleared transitions between flight levels, the aircraft should not overshoot or undershoot the CFL by more than 150 ft. (45m). *Source: AC 91-85, Appendix B, Paragraph 3.4*	
6	Procedures that emphasize that normally the altimeter system being used to control the aircraft should be selected to provide the input to the altitude reporting transponder that is transmitting the information to ATC. *Source: AC 91-85, Appendix B, Paragraph 3.6, Appendix D*	
7	Emergency and contingency procedures. These procedures may be due to: • Severe turbulence and/or mountain wave induced altitude deviations of approximately 200 feet or greater; • Failure of automatic altitude control system, altitude alerter, or all primary altimeters; • Failure of one primary altimeter; or transponder. Includes procedures for accommodation of non-RVSM aircraft in RVSM airspace. *Source: AC 91-85, Appendix B, Paragraph 4*	
8	Procedures to ensure that when operating in areas new to the operator, policy and procedures unique to the new area of operations are incorporated, including those areas where metric flight levels are incorporated. *Source: AC 91-85, Appendix C, Paragraph 3 and 4*