

# FLIGHT TECHNOLOGIES AND PROCEDURES DIVISION



# LOA

## *Streamlined Operational Approvals*

## **An Operator's Guide for submitting a Streamlined Part 91 Operational Approval Application**

*Version 1.2*

### **Inspectors:**

Contact Streamline POC at 202-267-4363 to obtain draft guidance for processing this application.



Next**GEN**

FLIGHT TECHNOLOGIES AND PROCEDURES DIVISION



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# Document Changes

Version	Date	Description of Change
1.0	August 1, 2021	Initial Operating Capability (IOC) version
1.1	September 14, 2021	Wording changed to exclude mandatory language (i.e. must, require, requirement etc.) pp. 2, 7, 10, and 15
1.2	November 30, 2021	<ul style="list-style-type: none"><li>• Change the title of paragraph 1.1</li><li>• Replacement of paragraph 1.1</li><li>• Deleted contact information on page and moved to page 2</li><li>• Deleted paragraph 1.2</li><li>• Changed Table 1.1 title and moved table to page 1</li><li>• Changed paragraph 1.3 to 1.2 and replaced paragraph</li><li>• Updated Section 2</li><li>• Updated Section 3</li><li>• Updated Appendix A</li><li>• Deleted Appendix C</li><li>• Move fuel planning to new Appendix B</li><li>• Added Equal Time Point to Appendix B</li></ul>

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# Section 1 | Overview

## 1.1 Purpose and Applicability

This guide will help identify information and documentation needed to verify eligibility for any Letters of Authorization (LOA) requested in a Streamlined Part 91 Operational Approval Application. Streamlined Part 91 Operational Approvals are available for Part 91 operators requesting any or all of the LOAs listed in Table 1-1 to operate an aircraft assembled and delivered directly from the aircraft manufacturer (OEM).

**Table 1-1. LOAs Available in the Streamlined Part 91 Operational Approval Application**

<i><b>LOA</b></i>	<i><b>Title</b></i>
<b>A056</b>	Data Link Communications
<b>B036</b>	Oceanic and Remote Continental Navigation Using Multiple Long-Range Navigation Systems (M-LRNS)
<b>B039</b>	Operations in North Atlantic High Level Airspace (NAT HLA)
<b>B046</b>	Operations in Reduced Vertical Separation Minimum (RVSM) Airspace
<b>B054</b>	Oceanic and Remote Airspace Navigation Using a Single Long-Range Navigation System.
<b>C048</b>	Enhanced Flight Vision System (EFVS) Operations
<b>C052</b>	Straight-in Non-Precision, Approach Procedure with Vertical Guidance (APV), and Category I Precision Approach and Landing Minima - All Airports
<b>C063</b>	Area Navigation (RNAV) and Required Navigation Performance (RNP) Terminal Operations
<b>C073</b>	Vertical Navigation (VNAV) Instrument Approach Procedures (IAP) Using Minimum Descent Altitude (MDA) as a Decision Altitude (DA)/Decision Height (DH)
<b>D095</b>	MMEL used as an MEL



## 1.2 Application Instructions

1. Familiarize yourself with this guide and the information and documentation requested.
2. Contact your servicing Flight Standards office to discuss the application process and expectations prior to submitting the application.
3. Complete [Section 2](#).
4. Attach all documents described in [Section 3](#). The best method for doing this is to use the process described in [Appendix A](#).
5. This guide serves as your Streamlined Part 91 Operational Approval Application when you have completed [Section 2](#) and attached all supporting documentation requested in [Section 3](#). Forward the completed application to the FAA Safety Assurance Office in your region or your principal inspector if known. Submit the application electronically utilizing the Operations Approval Portal System (OAPS) or email.

Visit the following webpage 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:

**(202) 267-8790**





## Section 2 | Application Information

### 2.1 Date of Submission:

Date:

### 2.2 Point of Contact for the Application:

*This is the person to contact for questions about the application.*

Name:

Phone:

Email:

### 2.3 Aircraft Operator:

*This is the person/ entity with operational control of the aircraft.*

Operator Name:

Operator Four Letter Designation (*if known*):

#### Business Address

Street:

City:

Country:

State / Province:

Postal Code:

#### Mailing address (*if different from business address*):

Street:

City:

Country:

State / Province:

Postal Code:



## 2.4 Aircraft Owner:

*The person/entity that is the registered owner of the aircraft.*

Person/ Entity Name:

## 2.5 Responsible Person:

*The person assuming responsibility for ensuring the operator complies with all applicable regulations, requirements, limitations, and provisions.*

Name:

Phone:

Email:

## 2.6 Aircraft Location:

Airport Name:

Airport Identifier:

## 2.7 Aircraft Information:

Manufacturer:

Model/Series:

Registration Number:

Serial Number:

## 2.8 Estimated Aircraft Delivery from the Manufacturer:

Date:

Applications should be submitted no more that 60 days prior to the manufacturer delivery of the aircraft. Applications may be submitted up to 30 days after the manufacturer delivery. Allow at least three weeks to process application and issue the LOAs requested.





## 2.9 LOA Selection(s):

Select the LOAs requested in Table 2-1 and indicate whether it is a new LOA or an amendment to an existing LOA. Table 2-1 identifies the type of documentation necessary to show eligibility for each LOA. More information on the necessary documentation is included in [Section 3](#).

**Table 2-1, LOA Selection(s)**

LOA	Requesting Initial LOA	Adding Aircraft to Existing LOA	Not Requesting LOA
A056	Aircraft Capability Documents Training Compliance Documents Procedures Compliance Documents Sample Flight Plan PBCS Global Charter Membership	Aircraft Capability Documents Training Compliance Documents Sample Flight Plan	
B036	Aircraft Capability Documents Training Compliance Documents Procedures Compliance Documents Sample Flight Plan	Aircraft Capability Documents Sample Flight Plan	
B039	Aircraft Capability Documents Training Compliance Documents Procedures Compliance Documents Sample Flight Plan	N/A	
B046	Aircraft Capability Documents Training Compliance Documents Procedures Compliance Documents	Aircraft Capability Documents	
B054	Aircraft Capability Documents Training Compliance Documents Procedures Compliance Documents Sample Flight Plan	Aircraft Capability Documents Sample Flight Plan	
C048	Aircraft Capability Documents, Training Compliance Documents	Aircraft Capability Documents	
C052	Aircraft Capability Documents, Training Compliance Documents	N/A	
C063	Aircraft Capability Documents, Training Compliance Documents	Aircraft Capability Documents	
C073	Aircraft Capability Documents, Training Compliance Documents	Aircraft Capability Documents	
D095	None	N/A	

**A P P L I C A T I O N F O R M**



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## Section 3 | Supporting Documentation

### 3.1 Aircraft Cabability Documents

Attach the following aircraft documentation when requested in [Table 2-1](#). See [Appendix A](#) for the preferred method for attaching documents to the application guide.

**Table 3-1, Aircraft Cabability Documents**

Check Box	Attachment(s)
	<p><b>Aircraft Statement of Capability (ASOC).</b> Attach an ASOC that shows the aircraft meets the aircraft capability requirements for the LOAs requested.</p> <p><b>Note:</b> An ASOC is obtained from the aircraft manufacturer.</p>
	<p><b>Manufacturer documentation of installed optional equipment.</b> Attach this documentation if there is equipment listed in the applicability column of Section 1 of the ASOC for an LOA you are requesting. This documentation should show the equipment has been installed by the manufacturer.</p>

### 3.2 Training Compliance Documents

Attach the following training documentation when requested in [Table 2-1](#). See [Appendix A](#) for the preferred method for attaching documents to the application.

**Table 3-2, Training Compliance Documents**

Check Box	Attachments
	<p><b>Training Statement of Compliance (TSOC).</b> Attach a TSOC(s) that shows the training provider’s curriculum meets crew training requirements for the LOAs requested.</p> <p><b>Note:</b> A TSOC is obtained from the training provider(s). Multiple TSOCs may be necessary to show eligibility for all the LOAs in the application.</p>



Check Box	Attachments
	<p><b>Training provider documentation of completed training.</b> Attach documentation showing at least one crew has completed the training provider’s curriculum listed on the TSOC for the LOAs requested. Documentation may vary depending on the training provider (i.e. certificate, diploma, training record etc.).</p> <p><b>Note:</b> For C048 requests a logbook or record of training must contain an endorsement stating that the training met the requirements of §61.66 (a) and (b) for the aircraft category and for the EFVS operation to 100 feet above the TDZE - §91.176 (b).</p>

### 3.3 Procedures Compliance Documents

Attach the following procedures documentation when requested in [Table 2-1](#). See [Appendix A](#) for the preferred method for attaching documents to the application.

**Table 3-3, Procedures Compliance Documents**

Check Box	Attachments
	<p><b>Procedures Statement of Compliance (PSOC).</b> Attach a PSOC(s) that shows the provider’s procedures meet the procedural requirements for the LOAs requested.</p> <p><b>Note:</b> A PSOC is obtained from the procedures provider. Multiple PSOCs may be necessary to show eligibility for all the LOAs in the application.</p>
	<p><b>Evidence that you are in possession of the vendor’s products listed on the PSOC.</b> Attach evidence that includes at least the title pages and revision number (screen shot) of the vendor’s product.</p>





### 3.4 Sample Flight Plan

Attach a sample flight plan when requested in [Table 2-1](#). See [Appendix A](#) for the preferred method for attaching documents to the application.

**Table 3-4, Sample Flight Plan**

Check Box	Attachment
	<p><b>Sample Flight Plan:</b>                      Attach an information package that flight crews would use for a typical oceanic or remote continental route flown in your operation. The package should include:</p> <ol style="list-style-type: none"> <li>1. Coded ICAO flight plan or a completed Form 7233-4. The aircraft equipment codes in Block 10 and remarks for PBN/, NAV/, DAT, and SUR/ in Block 18 of form 7233-4 and in the Coded ICAO flight plan should reflect the aircraft capabilities and authorizations requested. Additional information is available in Appendix B of this guide.</li> <li>2. Total fuel load calculations. The detailed fuel load should incorporate fuel categories defined in ICAO Annex 6 Part II. Additional informations is available in Appendix B of this guide.</li> <li>3. Equal time point analysis. The analysis should contain scenarios for engine out, medical divert, and loss of pressurization. Fuel calculations in each of these scenarios should indicate fuel available on landing at the designated enroute alternates. Additional informations is available in Appendix B of this guide.</li> </ol> <p><b>Note:</b> If this application includes a request for B039 the North Atlantic High Level Airspace.  <b>Note:</b> Applicants should ensure the flight planning services are producing accurate flight plans before submitting this application to the FAA.</p>



### 3.5 Performance-Based Communication and Surveillance (PBCS) Global Charter Membership

Attach charter membership when requested in [Table 2-1](#). See [Appendix A](#) for the preferred method for attaching documents to the application.

**Table 3-5, PBCS Global Charter Membership**


Check Box	Attachment
	<p><b>Charter membership documentation.</b> Attach documentation showing the the operator and operator’s communications service provider (CSP) are members of the <i>Performance-Based Communication and Surveillance (PBCS) Global Charter</i>. Charter membership (stakeholders) is listed at <a href="https://www.fans-cra.com/charter/stakeholders/">https://www.fans-cra.com/charter/stakeholders/</a>. It is acceptable to provide a screen shot of this list with with your name/company name included in the screen capture.</p> <p><b>Note:</b> Instructions for becoming a member of the charter can be found at <a href="http://www.fans-cra.com/">http://www.fans-cra.com/</a>.</p>

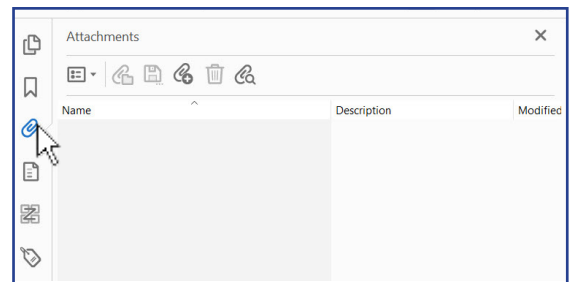





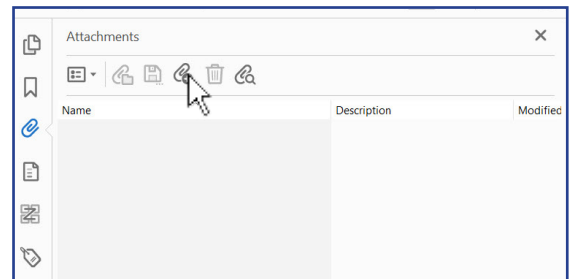
# Appendix A | How to Attach Documents using Adobe Acrobat

This appendix explains how to use the Acrobat attachment feature to attach supporting documentation directly to this guide. This will allow you to submit this guide as your application with all the attachments included in one PDF file. If you do not have Acrobat, you will need to provide the attachments as separate documents. Attach documents with Acrobat as follows:

1. Click the Paper Clip icon  in the left margin of this application guide:



2. Click the paper clip icon with a plus  to browse for the file attachments on your computer. Use a file naming convention that makes it easy to identify the different attachments in the application.





3. Click on the files to attached to your application.

	Aircraft Statement of Capability (ASOC)	4/26/2021 3:58 PM	Adobe Acrobat D...
	Charter membership documentation	4/26/2021 3:59 PM	Adobe Acrobat D...
	Evidence of vendor's products listed on the PSOC	4/26/2021 4:02 PM	Adobe Acrobat D...
	Manufacturer documentation of installed optional equipment	4/26/2021 3:58 PM	Adobe Acrobat D...
	Procedures Statement of Compliance (PSOC)	4/26/2021 4:04 PM	Adobe Acrobat D...
	Sample Flight Plan	4/26/2021 4:02 PM	Adobe Acrobat D...
	Training provider documentation of completed training	4/26/2021 4:11 PM	Adobe Acrobat D...
	Training Statement of Compliance (TSOC)	4/26/2021 4:04 PM	Adobe Acrobat D...

4. Confirm you have added all the necessary attachments using [Table 2-1](#) and [Section 3](#) of this guide before submitting the application.

Attachments

✕

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🗑️
🔍

Name	Description	Modified
Aircraft Statement of Capability (ASOC).pdf		4/26/202
Charter membership documentation.pdf		4/26/202
Evidence that you are in possession of the vendor'...		4/26/202
Manufacturer documentation of installed optional...		4/26/202
Procedures Statement of Compliance (PSOC).pdf		4/26/202
Sample Flight Plan.pdf		4/26/202
Training provider documentation of completed tr...		4/26/202
Training Statement of Compliance (TSOC).pdf		4/26/202



# Appendix B | Sample Flight Plan Examples

## B.1 Form 7233-4 Coding

The following examples depict where the equipment codes and PBN/, NAV/, DAT, and SUR/ remarks can be located in either a Form 7233-4 or a Coded ICAO flight plan. More information on this form can be found at : [https://www.faa.gov/air\\_traffic/publications/atpubs/fs\\_html/appendix\\_a.html](https://www.faa.gov/air_traffic/publications/atpubs/fs_html/appendix_a.html)

**Figure B.1, FAA Form 7233-4, International Flight Plan**

Below is a section of a flight information package containing the computerized printout and FAA Form 7233-4, International Flight Plan.

(FPL: [redacted] ic **Item 10a/b**)  
 -GLF4/M SBDE1E2E3FGHIJ3J4J5P2RWXYZ/LB1D1  
 -KLBE1200  
 -N0466F350 DCT REC DCT MAGIO J49 HNK/N0457F410 DCT EBONY N277A  
 JOOPY DCT 49N050W/M080F410 51N040W 51N030W 52N020W DCT  
 LIMRI/N0452F410 DCT XETBO DCT EVRIN L607 NUMPO P2 BEDEK/N0332F180  
 BEDEKIL **Item 18**  
 -EGW0639 EGSS  
 PBN/A1B1C1D1L1O1S1S2 NAV/RNP2 [redacted] DAT/CPDLX  
 1FANSE2PDC SUR/260B RSP180 DOF/211115 REG/  
 EET/CZQM0108 CZQX0145 EGGX0404 EISN0514 EGT0553  
 JOOPY0217 49N050W0228 51N040W0318 51N030W0404 52N020W0451  
 SEL/EFOR [redacted] PER/D RMK/AGCS EQUIPPED  
 B/0947 P/1 R/0VE S/PHD J/LFVU D/2 28 YELLOW A/WHITE SILVER BLUE  
 [redacted]

ALTERNATE (S) (SPEED PROFILE LRC)

ALTERNATE - 1 EGSS - STANSTED  
 BURN: 001336 ETE: 00.15 DIST: 0068 NM FL: 050 IAS: 241  
 MSA: 1800 FT TRACK: 088 ELEV: 00348FT AVG WIND COMP: P001  
 ROUTE: EGGW MATCH2C MATCH DCT LOFFO DET2A EGSS

**FLIGHT PLAN**

PRIORITY: << ☰ FF >> ADDRESS(S): KZOBZQZX CZQMZQZX CZQXZQZX EUCHZMFP EUCBZMFP  
 FILING TIME: \_\_\_\_\_ ORIGINATOR: \_\_\_\_\_ << ☰  
 SPECIFIC IDENTIFICATION OF ADDRESSE(S) AND/OR ORIGINATOR: \_\_\_\_\_

3 MESSAGE TYPE: << ☰ (FPL) 7 AIRCRAFT IDENTIFICATION: [redacted] 8 FLIGHT RULES: - [1] TYPE OF FLIGHT: [G] << ☰  
 9 NUMBER OF AIRCRAFT: [GLF4] / WAKE TURBULENCE CAT: [M] 10 EQUIPMENT: SBDE1E2E3FGHIJ3J4J5P2RWXYZ/LB1D1 << ☰  
 13 DEPARTURE AERODROME: KLBE TIME: 1200 << ☰  
 15 CRUISING SPEED: [N0466] LEVEL: [F350] ROUTE: DCT REC DCT MAGIO J49 HNK/N0457F410 DCT EBONY N277A JOOPY DCT  
 49N050W/M080F410 51N040W 51N030W 52N020W DCT LIMRI/N0452F410 DCT XETBO DCT EVRIN L607 NUMPO P2  
 BEDEK/N0332F180 BEDEKIL

16 DESTINATION AERODROME: EGGW TOTAL EET: 0639 HR. MN → ALTN AERODROME: EGSS → 2ND ALTN AERODROME: \_\_\_\_\_ << ☰  
 18 OTHER INFORMATION: - [PBN/A1B1C1D1L1O1S1S2 NAV/RNP2 [redacted] DAT/CPDLX 1FANSE2PDC SUR/260B RSP180 DOF/211115  
 REC [redacted] EET/CZQM0108 CZQX0145 EGGX0404 EISN0514 EGT0553 JOOPY0217 49N050W0228 51N040W0318  
 51N030W0404 52N020W0451 SEL/EFOR [redacted] PER/D RMK/AGCS EQUIPPED

SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)

19 ENDURANCE: HR. MIN: 0947 → PERSONS ON BOARD: P / 1 → EMERGENCY RADIO: R / U VHF V E  
 SURVIVAL EQUIPMENT: S / POLAR: P / DESERT: D / MARITIME: M / JUNGLE: J → JACKETS: J / LIGHT: L FLUORES: F UHF V V  
 DINGHIES: NUMBER: 02 / CAPACITY: 028 → COVER: C → COLOUR: YELLOW << ☰  
 AIRCRAFT COLOUR AND MARKINGS: A / WHITE SILVER BLUE  
 REMARK: [X] / \_\_\_\_\_ << ☰  
 PILOT IN COMMAND: C / [redacted] << ☰  
 FILED BY: \_\_\_\_\_ SPACE RESERVED FOR ADDITIONAL REQUIREMENTS



## B.2 Computer Generated Flight Plan Package - Fuel Plan

The following are the explanations of the types of fuel categories that should be accounted for in the fuel plan and examples of different formats.

	FUEL	TIME
TRIP FUEL EINN	16517	04:45
ALTERNATE EIDW	2105	00:28
TAXI	400	
CONTINGENCY (RES)	3000	00:40
FINAL RES @ 1500	1808	00:45
ADDNL DPRESS E/O	0	00:00
REQUIRED	23830	06:38
ADDITIONAL/DISCRETS	0	00:00
RAMP FUEL	23830	06:38

FUEL	(LBS)	TIME
Taxi	150	
Destination	9871	5:37
Contingency	494	0:20
Alternate Fuel EGLL	384	0:06
Final Reserve	1091	0:45
Additional	62	0:02
Min required	12052	6:52
Extra	2548	1:45
Total	14600	8:37

**Taxi Fuel:** Fuel consumed before takeoff accounting for local conditions at the departure and APU fuel consumption.

**Trip Fuel:** Fuel required to fly from takeoff to landing at the destination airport.

**Contingency Fuel:** Fuel required to compensate for unforeseen factors. Sometimes is referred to as “Reserve”, “Other”, or “Extra” fuel in flight plans. Not less than 5% of trip fuel.

**Destination Alternate Fuel:**

- *When an alternate is required:* Perform missed approach at destination, climb to expected cruise altitude, fly expected routing, descend to the expected initial approach, and conduct the approach and landing.
- *When an alternate is not required:* 15 minutes at holding speed, 1500 ft above the destination airport in standard conditions
- *When the airport of intended landing is an isolated airport:* Fly for two hours at normal cruise above the destination airport, including final reserve fuel.

**Final Reserve Fuel:** Turbine Engine Fuel required to fly for 30 minutes at holding speed, 1500 ft above airport elevation in standard conditions. Sometimes is termed “Hold” or “Holding” fuel in flight plans.

