

FAA CONFORMITY INSPECTION PLAN

PART I - General Information

A. Project number:	B. Date & Revision level:
C. Applicant name:	D. Aircraft model(s) /Engine(s)/Propeller(s)/ to be modified:
E. General Description of project (not required if CIP is attached to PSCP) :	
F. Are other design changes and/or modifications being accomplished concurrently with this project?	
YES	NO
G. If yes, provide a brief overview (include FAA project #, SB #, etc) of the concurrent design changes / modifications being accomplished and how it affects your modification and the airworthiness certificate.	
H. Concurrent design changes - Explain if a conformity inspection is going to being accomplished on the concurrent design changes / modifications prior to this project installation conformity.	

PART II List The Names, Titles, Phone numbers, Email of each Project Focal Point:

A. Applicant Quality Assurance:	
B. Applicant Engineering:	
C. MIDO - PI:	
D. ACO - PM:	
E. DMIRs, DARs, or ODAs	<p>FAA Part conformity: <i>DMIR's and DAR's must have necessary conformity function codes per Order 8000.95, Table 8-2. ODA's must have necessary conformity function codes per Order 8100.15, Figure 2-1.</i></p> <p>FAA Installation conformity: <i>DMIR's and DAR's must have necessary conformity function codes per Order 8000.95, Table 8-2. ODA's must have necessary conformity function codes per Order 8100.15, Figure 2-1</i></p> <p>FAA TIA/STIR: <i>DMIR's and DAR's must have necessary conformity function codes per Order 8000.95, Table 8-2. ODA's must have necessary conformity function codes per Order 8100.15, Figure 2-1</i></p>
F. DERs involved with:	<p>FAA TIA:</p> <p>FAA Test witnessing:</p>

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PART III Aircraft, Maintenance and Modifier Information			
A. Is an FAA Approved Repair Station doing the modification? (Repair station must have appropriate airframe rating and classification approval to do the modification.) If not, who and where will the modification be done?	YES	NO	
B. What is the FAA Repair Station number, the ratings and limitations? (FAA Form 8000-4, Air Agency Certificate, is the authority granted by the FAA for a repair station to conduct business.)	Number:		
C. What is the location where the modification and installation will occur?	Address:		
D. List the repair station's Principal Inspector (FSDO, CMO, IFO) and their contact phone number:	Name: Phone Number: Email:		
E. Describe the maintenance and inspection requirements required for maintaining the aircraft during R&D / Show Compliance flight testing: (Reference § 91.409 (a), (e), (f), (g), and (h). Large Aircraft, turbojet multiengine airplanes, turbopropeller-powered multiengine airplanes, and turbine powered rotorcraft must not be operated unless the owner/operator has select, establish, identify, and use an inspection program as set forth in § 91.409(e), (f), (g), and (h).)			
F. Aircraft Information	Is Aircraft U.S. Registered	YES	NO
	List Aircraft Registration Number:		
	Has the CAA of the country of registry agreed in writing to the proposed STC modification? If "No" what is the status of the request? <i>Attach a copy the CAA agreement with this plan.</i>	Yes	No
<i>Reference: FAA Order 8110.4 paragraph 4-10</i>			

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Part IV Applicant's Inspection Planning, Special Processes, Suppliers

- A. Describe the inspection planning / work instructions the applicant or it's authorized agent (this is *not the DMIR, DAR, ODA*) will use to perform their conformity inspection of the Parts, Modification, Installation before an 8130-9 is submitted to the FAA. (Planning data sometimes is referred to travelers, AOs, Job Cards, etc.)

Planning / work instructions - Parts/assembly at manufacturer:

Planning / work instructions - Installation and or modification at manufacturer or Repair Station:

- B. If the planning or work instructions are not used - explain how inspection points will be accomplished at points in the manufacturing/installation process that ensure conformity to FAA-approved design.

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C. SPECIAL PROCESSES - List below each special process (i.e heat treatment, welding, chemical etching, composites, etc) used in this project. If the process is FAA approved, list the TC/STC number and holders name that approved the special process. "Previously FAA approved processes may not require a specification evaluation."

Special process name:	Specification number:	TC/STC # and Holder's name:
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SUPPLIERS

D. Are suppliers going to be used for the project?	YES	NO
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E. If yes, list below the major parts supplier(s), name, location, products and involvement in the design:
Note: Conformity is assumed to take place at the supplier location. (ie: Point of Manufacture)

Name of suppliers:	Locations:	Product - applicant design or supplier design:
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F. Is the applicant going to delegate their FAI inspection to their suppliers ?	YES	NO
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G. If YES, explain how the applicant will flow down their inspection and or design requirements to their supplier so that each prototype article will be inspected in accordance with 14 CFR parts § 21.33. Ref: 14 CFR parts § 21.33 and § 21.53

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Part V Applicant's Inspection procedures

A. PARTS / ASSEMBLIES - Identify or describe the inspection procedures to be used by the applicant or its authorized agent to perform the applicant's first article inspection of the parts / assemblies. (This is not the responsibility of the DAR/DMIR/ODA)

B. INSTALLATION / MODIFICATION - Identify or describe the inspection procedures to be used by the applicant or its authorized agent to perform inspection of the installations and modification on the aircraft, engine or propeller at the repair station. (This is not the responsibility of the DAR/DMIR/ODA)

C. Are the applicant's first article inspection procedures equivalent to conducting all (100 percent) of the inspections and tests necessary to determine whether the article/product conforms to the proposed type design data as described in FAA Order 8110.4, paragraph 5-1?	YES	NO
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D. If not equivalent, what alternative procedures will be used by the applicant and or it's agent to ensure their inspections are to the same degree as the inspection performed by the FAA per 8110.4?

E. 8130-9 STATEMENT OF CONFORMITY - List the name of person(s), company and organization who will be responsible to sign the 8130-9 in accordance with §§ 21.53 and 21.33:
If delegated to applicant's supplier applicant must submit a letter of delegation in accordance with 8110.4 chapter 5, para. 5-3. The statement of conformity must be signed by the party responsible for the fabrication/assembly of the article, not the designee making the conformity determination

Part conformity	Name	Company & Organization
Installation conformity	Name	Company & Organization
Test set up conformity	Name	Company & Organization

Part VI FAA Conformity Inspection Identification and Tracking

A. Name the person(s) (FAA, DER, Drafter or Support staff) responsible to generate the FAA 8120-10 for this project using the National Automated Conformity Inspection Process (NACIP) system.
 (http://www.faa.gov/aircraft/air_cert/design_approvals/nacip/)

B. Explain how the applicant will ensure all conformity inspection requests will be initiated as required by this CIP, and how they will track the completion of all conformity reports before the TC/STC is issued:

C. Name the person(s) responsible for tracking the initiation and completion of all the applicant's inspections and FAA's conformity inspections / TIA inspections including the FAA conformity inspections reports.

Note: This person is to ensure all Conformity Inspection Reports are completed and closed in NACIP before requesting the STC to be issued by the ACO.

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Part VII FAA Conformity Description

A. FAA Part conformity	<p>Provide a description of parts and assemblies that will require FAA conformity inspection:</p> <p><i>If excluding TSO/PMA products from FAA conformity inspection, a list all TSO project numbers and PMA authorization and supplement numbers must be provided. Describe how MRB actions on the TSO/PMA part that require DER / FAA approval before testing will be accomplished. Reference FAA Order 8110.4 paragraph 2-5.</i></p>
B. FAA Installation conformity	<p>Provide a description of parts, assemblies, equipment, electrical, engines, etc requiring FAA installation conformity inspection:</p> <p>Note FAA requires installation conformity for all electrical wiring installations!</p>
C. FAA Test Setup conformity	<p>Provide a description of test equipment being used requiring FAA conformity inspection prior to certification testing:</p>
	<p>Provide a description of test set up(s) and what is being tested that requires FAA conformity inspection:</p>
D. FAA Flammability and Fire-blocking Test coupon conformity	<p>Provide a description of material requiring conformity:</p>
E. FAA Post Conformity Modifications and/or Replacements	<p>Provide a description of how the applicant will ensure modifications or replacement of FAA conformed parts will be re-conformed by the FAA:</p>
	<p>List the name and phone number of the person responsible for tracking modifications or replacements:</p>
F. FAA Flight Testing	<p>Location(s) of R&D / TIA flight tests:</p>
	<p>Estimated date of flight testing:</p>
G. Conformity Inspection Deviations	<p>Name and designee number of DER(s) responsible to approve deviations and unsatisfactory conditions listed on FAA Form 8130-9 and FAA Form 8100-1:</p>

Ref. 8110.4 Chapter 2 and 5

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Part VIII Airworthiness Certification and Return to Service at Completion of Program	
A. Who is the owner or authorized agent that will make application (FAA Form 8130-6) for: Reference: AC 21-12B Application for U.S. Airworthiness Certificate, FAA Form 8130-6	Experimental certificate?: Standard airworthiness certificate?:
B. Describe how the applicant will ensure that the modified aircraft conforms to the final configuration of the STC approved design prior to <u>MAKING APPLICATION</u> for a Standard Airworthiness Certificate or prior to applying for a 337 return to service form. (if applicable): Reference FAA Order 8110.4, paragraph 5-17	
C. Name of company applying for PMA after issuance of STC (if applicable): <i>Note: The FAA does not issue PMA approvals outside the United States.</i>	

The form look of this plan is not intended to limit the information provided by applicant. Add space or additional pages as needed to address all the applicable items above. Not Applicable (N/A) may be used when sections do not apply. To Be Determine (TBD) may be used in some sections with MIDO/ACO concurrence.

This Conformity Inspection Plan describes the actions regarding the modification and type design activities necessary to ensure all required Conformity Inspections and related activities are accomplished in support of the FAA TC, STC, PMA project. The plan establishes guidelines and policies for identification and tracking of FAA required conformity Inspections performed by at the applicant's facility and it's approved suppliers.

*For a successful inspection, the applicant should address details of conformity delegation early in the certification project. The ACO project manager should notify the applicant as soon as possible of the need for upfront planning and development of the conformity plan, ideally before the initial TC board meeting. **The applicant must draft the plan and the ACO and MIDO representatives must accept it before issuing the first conformity request.***

The Conformity Inspection Plan will be reviewed and accepted by the FAA prior to its implementation. FAA Conformity Inspections will be identified, coordinated and tracked for completion in accordance with procedures described above.

Changes to this plan requires a revision number/letter. Implementation of this plan will be to established procedures written or referenced in the plan.

CIP acceptance signatures

Applicant Quality Manager: _____ **Date:** _____

Applicant Certification Engineer: _____ **Date:** _____

ACO Project Manager: _____ **Date:** _____

MIDO Project ASI: _____ **Date:** _____