

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Piper	Model PA-22-135
	Serial No. 22-1646	Nationality and Registration Mark N3383A
2. Owner	Name (As shown on registration certificate) Frank Sperandio III	Address (As shown on registration certificate) 15841 Pear Circle Fayetteville, AR 72704

3. For FAA Use Only

THE INFORMATION DATA IDENTIFIED HEREIN COMPARES WITH REQUIREMENTS OF FAR 43.9, FAR 43 APPENDIX B, AND AC 43.9-1. THIS REPORT IS REQUIRED BY LAW (49 U.S.C. 1421). FAILURE TO REPORT CAN RESULT IN A CIVIL PENALTY NOT TO EXCEED \$1,000 FOR EACH SUCH VIOLATION (SECTION 901 FEDERAL AVIATION ACT OF 1958).

01-11-01
v-1

[Signature]
FAA Inspector

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			✓	X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Robert Dean 14693 Wilmoth Fayetteville, AR 72704	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <i>A/P</i> 62528784
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I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 12 Sept 00	Signature of Authorized Individual <i>[Signature]</i>
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

By	FAA Flight Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 11 Jan 01	Certificate or Designation No. A/P 62528784	Signature of Authorized Individual <i>[Signature]</i>
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements

B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

- 1 Installed two aluminum 6061-T6 machined, "clam shell" mounting blocks, (see attached prints Sheet A and B) using AN hardware on the two existing 5/8" steel tube cross members that diagonally transverse the bubble plexiglass windscreen.

- 2 Installed Rosen Products Sunvisor part # RMY-300-1 on the mounting blocks using bolt AN-4-15A hardware. This visor part number is STDD for all Mooney aircraft by certificate # SA00071SE and model list (See attached Sheet C & D)

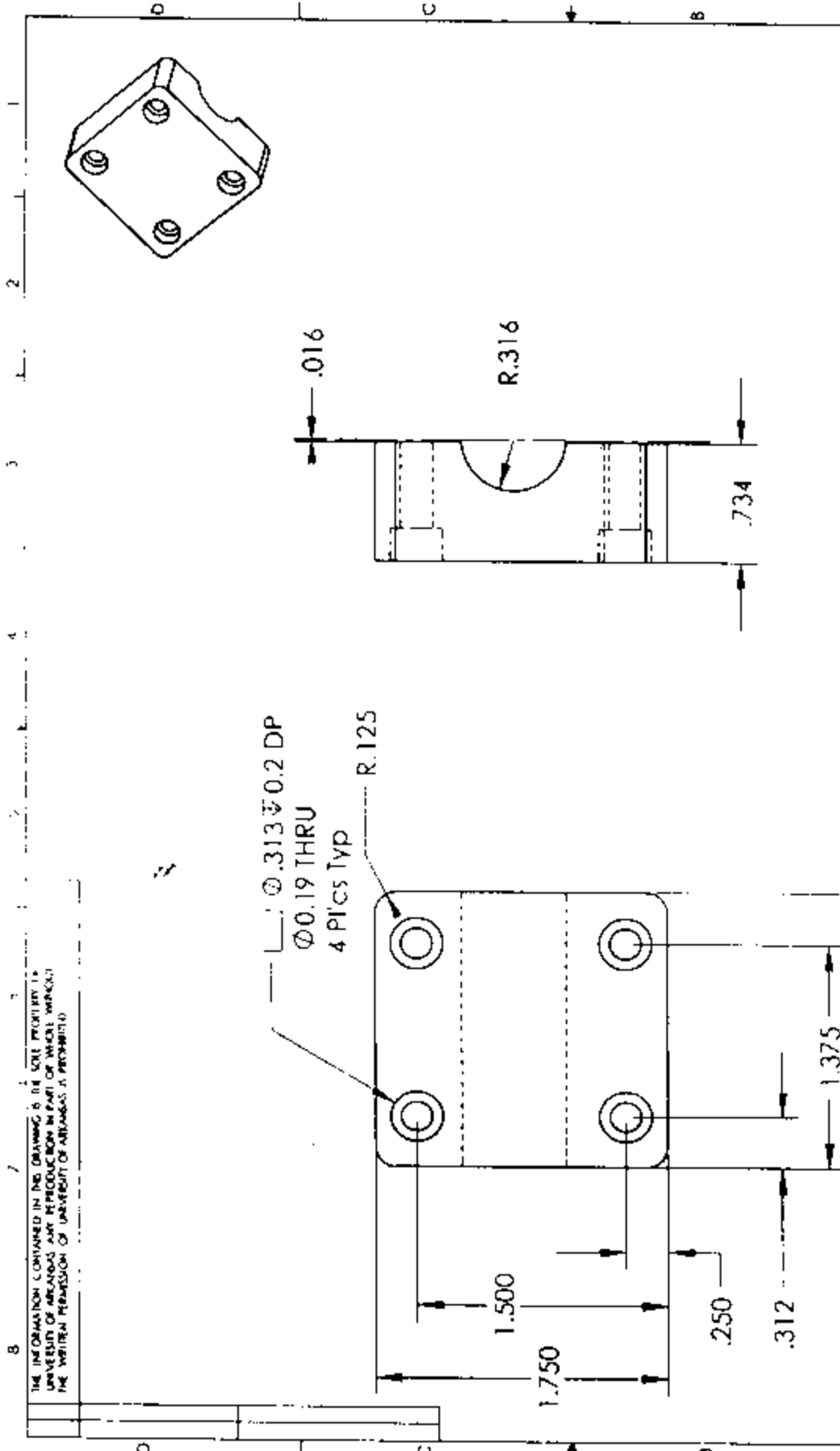
- 3 Checked sun visors for full articulation in all directions, and in folded, out of the way position

- 4 Instruction for continued airworthiness, inspect mounts, brackets, attaching hardware, for condition and security

- 5 No significant change of existing weight and balance of aircraft

***** END *****

Additional Sheets Are Attached



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNIVERSITY OF ARIZONA AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF UNIVERSITY OF ARIZONA IS PROHIBITED

REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR PRODUCTION	08/11/70	WV	WV
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			
6	REVISION			
7	REVISION			
8	REVISION			
9	REVISION			
10	REVISION			

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	SUN VISOR MOUNT	1	PC
2	PA-272/20	1	PC
3	ROSEN PROD	1	PC

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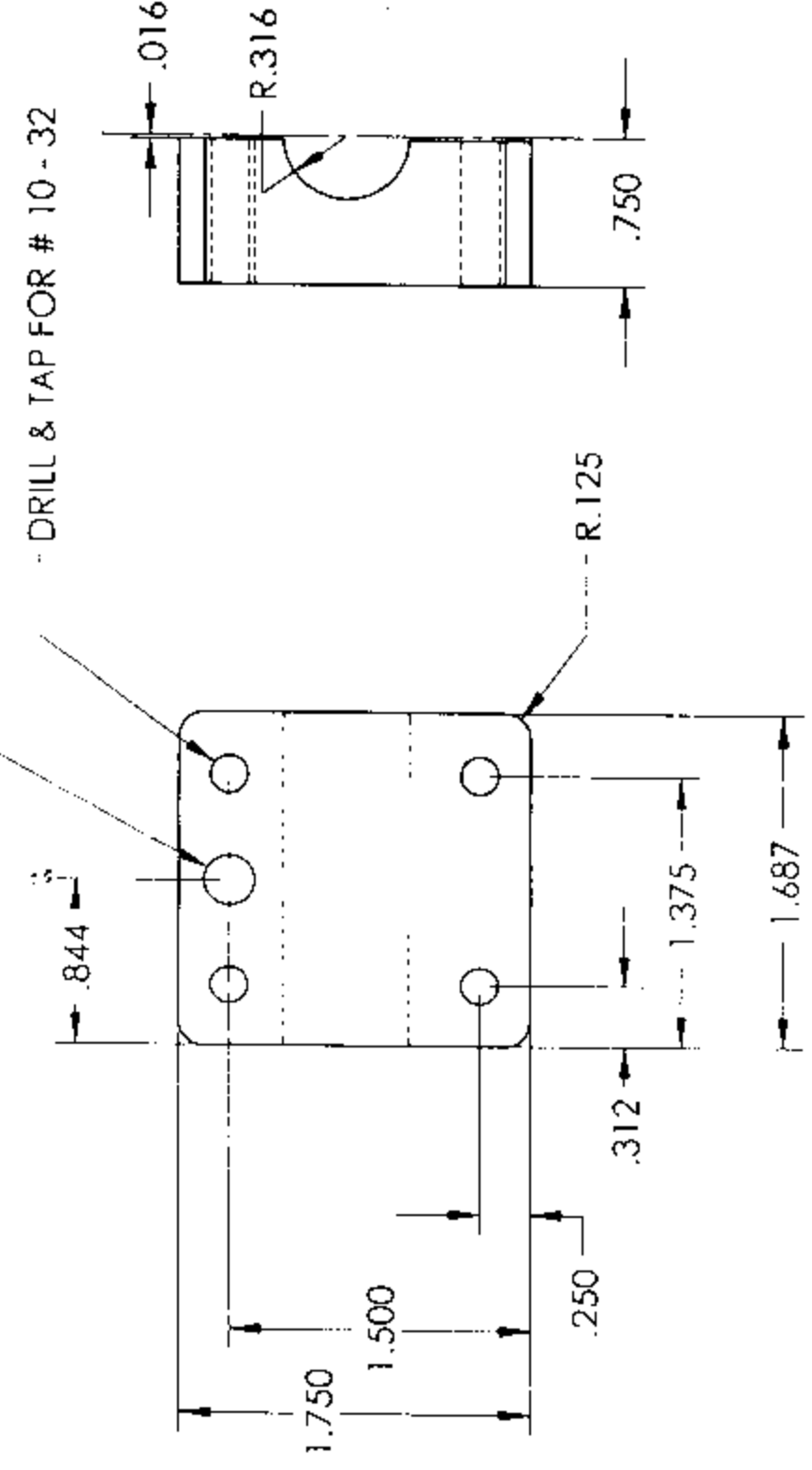
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Drill & Tap Thru 1/4-28



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ITEM NO.	QUANTITY	DESCRIPTION	UNIT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCES ARE:			
FRACTIONS DECIMALS ANGLES			
.0000 .0005 .0001			
MATERIAL: 6061 ALUM			
FINISH: ANODIZED			
SURFACE TREATMENT: NONE			
PARTS LIST:			
PART NO. QUANTITY DESCRIPTION UNIT			
1 1 SUN VISOR MOUNT			
2 1 ROSEN PROD			
3 1 PART # 2			
4 1			
5 1			
6 1			
7 1			
8 1			
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UNIVERSITY OF ARIZONA
 501-521-2609
 SUN VISOR MOUNT
 PA-22/20
 ROSEN PROD
 PART # 2

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA00071SE

This certificate, issued to Rosen Product Development, Inc.

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part * of the * Regulations*

Original Product — Type Certificate Number * See attached Approved Model List (AML)
Make * No. SA00071SE for a list of approved airplane
Model * models and applicable airworthiness regulations

Description of Type Design Change: Cockpit Sun Visor installation in accordance with FAA-approved Rosen Drawing List Number RMY-00DL, Revision A, dated October 4, 1993, or later FAA-approved revisions.

Limitations and Conditions: Approval of this change in type design applies to only those Mooney Aircraft Models listed on AML No. SA00071SE, dated April 5, 1994, or later FAA approved revisions. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA-approved Rosen Drawing List Number RMY-00DL, Revision A, or later FAA-approved revisions, shall be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect unless, reviewed, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application October 25, 1993

Date received

Date of issuance April 8, 1994

Date annotated:



By direction of the Administrator

(Signature)
 Acting Manager, Seattle Aircraft Certification Office, ANM-100S

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

FAA APPROVED MODEL LIST (AML) NO. SA000715E

FOR

Rosen Product Development, Inc.

Issue Date: April 5, 1994

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED DRAWING/ DRAWING LIST		AHL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE	
1	Mooney	M20 M20J M20M	2A3	CAR 03	RMY-000L	REV. A 10/4/93	4/5/94
2	Mooney	M-18C M-18L M-18C55 M-18LA	A803	CAR 03	RMY-000L	REV. A 10/4/93	
3	Mooney	M10	A787	CAR 03	RMY-000L	REV. A 10/14/93	
4	Mooney	415-C 415-CD	A718	CAR Part 4a	RMY-000L	REV. A 10/14/93	
5	Mooney	M22	A6SW	CAR 03	RMY-000L	REV. A 10/14/93	

FAA Approved:  Acting Manager, Seattle Aircraft Certification Office, ANM-100S

Date: April 5, 1994



U S. Department of Transportation
Federal Aviation Administration

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (For Field Approvals-FAA Form 337)

A/C Make Piper Model: PA-22-160 S/N: 22-446 Reg. #: 3383A
Revision: _____ Date: 12 Sept 00

This sixteen item checklist are Instructions for Continued Airworthiness (ICA), to comply with FAA Handbook Bulletin for Airworthiness (HBAW 98- 18 Dated October 7, 1998), are applicable to the aircraft listed above when the following equipment is installed:

SYSTEM

ITEM	CHECKLIST INFORMATION
1.	<p>Introduction: This section briefly describes the aircraft, engine, propeller, or component that has been altered. Include any other information on the content, scope, purpose, arrangement, applicability, definitions, abbreviations, precautions, units of measurement, referenced publications, and distribution of the ICA as applicable</p> <p>Comments: <u>aircraft as listed above.</u></p>
2.	<p>Description: Of the major alteration, its functions, including an explanation of its interface with other systems, if any.</p> <p>Comments: <u>allows for superior glare reduction</u></p>
3.	<p>Control: Operation information: Or special procedures, if any.</p> <p>Comments: <u>To be operated at pilots discretion</u></p>
4.	<p>Servicing information: Such as types of fluids used, servicing points, and location of access panels, as appropriate</p> <p>Comments: <u>N/A</u></p>
5.	<p>Maintenance Instructions: Such as recommended inspection/maintenance periods in which each of the major alteration components are inspected, cleaned, lubricated, adjusted, tested, including applicable wear tolerances and work recommended at each scheduled maintenance period. This section refers to the manufacturers' instructions for the equipment installed where appropriate (e.g., functional checks, repairs, inspections.) It should also include any special notes, cautions, or warnings, as applicable.</p> <p>Comments: <u>inspect brackets for loose fasteners, misalignment, etc</u></p>
6.	<p>Trouble shooting information: Information describing possible malfunctions, how to recognize those malfunctions, and the remedial actions to be taken.</p> <p>Comments: <u>N/A</u></p>

7.	Removal and replacement information: This section describes the order and method of removing and replacing products, parts and any necessary precautions. This section should also describe or refer to manufacturer's instructions to make required tests, trim checks, alignment, calibrations, center of gravity changes, lifting or shoring, etc., if any. Comments: refer to STC# SA000715E for maintenance procedures
8.	Diagrams: Of access plates and information, if needed, to gain access for inspection. Comments: N/A
9.	Special inspection requirements: Such as X-ray, ultrasonic testing, or magnetic particle inspection, if required. Comments: N/A
10.	Application of protective treatments: To the affected area after inspection and/or maintenance, if any. Comments: mounting blocks to be corrosion proofed by zinc chromate and paint.
11.	Data: Relative to structural fasteners such as type, torque, and installation requirements, if any. Comments: Refer to AC43-131B for standard torque values
12.	List of special tools: Special tools that are required, if any. Comments: N/A
13.	For commuter category aircraft: The following additional information must be furnished, as applicable: A. Electrical loads B. Methods of balancing flight controls C. Identification of Primary and secondary structures D. Special repair methods applicable to the airplane. Comments: N/A
14.	Recommended overhaul periods: Are required to be noted on the ICA when an overhaul period has been set by the manufacturer of a component, or equipment. If there is no overhaul period, the ICA should state for item 14: No additional overhaul time limitations. Comments: N/A

15.	<p>Airworthiness Limitation Section: Include any "approved" airworthiness limitations identified by the manufacturer or FAA Type Certificate Holding Office (e.g., An STC incorporated in a larger field approved major alteration may have an airworthiness limitation.) The FAA inspector should not establish, alter, or cancel airworthiness limitations without coordinating with the appropriate FAA Type Certificate Holding Office. If there are no changes to the airworthiness limitations, the ICA should state for item 15: "No additional airworthiness limitations" or "Not Applicable."</p> <p>Comments: <i>no additional limitations imposed</i></p>
16.	<p>Revision: This section should include information on how to revise the ICA. For example, a letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 and including the following statement: "The attached revised/new Instructions for Continued Airworthiness (date) for the above aircraft or component major alteration have been accepted by the FAA, superseding the Instructions for Continued Airworthiness (date)." Once the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, date of the Form 337.</p> <p>Comments: <i>N/A</i></p>

Note:

Implementation and Record Keeping: For major alterations performed in accordance with FAA Field Approval policy, the owner/ operator operating under part 91 is responsible for ensuring that the ICA is made part of the applicable section 91.409 inspection program for their aircraft. This is accomplished when a maintenance entry is made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location (e.g., Block 8 of FAA Form 337, dated 5/28/98) along with a statement that the ICA is now part of the aircraft's inspection/maintenance requirements.

For major alterations performed in accordance with a field approval on air carrier aircraft, the air carrier operator is responsible for ensuring that the ICA is made part of the applicable inspection/maintenance program for their aircraft. If a procedure is not currently included in the operator's manual to incorporate ICA, this process will need to be appropriately addressed (i.e. the operator submits a revision to its maintenance program to the applicable certificate-holding district office (CHUDO).

For aircraft inspected under an Approved Aircraft Inspection Program (AAIP), the operator will submit a change to the CHDO in accordance with section 135.419 b).

For air carrier aircraft inspected using an annual/100 hour inspection program, a reference to the new ICA will be made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location (e.g., ICA is located/attached to Block 8 of FAA Form 337, dated 5/28/98). In addition, the operator will request a revision to the operator's Operations Specifications, additional maintenance requirements, which incorporates the ICA into the inspection program.