US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification AEA-FSDO-11

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: **Gulfstream Aerospace**	Model: **G-IIB**
	Serial No.: **151**	Nationality and Registration Mark: **N909JE**
2. Owner	Name *(As shown on registration certificate)*: **Hyperion Air, Inc.**	Address *(As shown on registration certificate)*: **103 Foulk Road, Suite 202 Wilmington, DE 19803-3742**

3. For FAA Use Only

The alteration identified herein complied with applicable air-worthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.

DATE 2/20/2007 **FAA Inspector** [signature]

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	B. Kind of Agency	C. Certificate No.
INTERNATIONAL JET INTERIORS INC [redacted]	( ) U.S. Certified Mechanic ( ) Foreign Certified Mechanic (X) Certified Repair Station ( ) Manufacturer	**I1JR439Y LIMITED AIRFRAME**

D. 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	Signature of Authorized Individual
2/20/07	**Glenn Tietjen** [signature]

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
2/20/07	**I1JR439Y**	**Glenn Tietjen** [signature]

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

Gulfstream Aerospace, G-IIB, S/N 151

1) Removed, refurbished and re-installed interior furnishings as outlined below:

2) Replaced the existing crew seat dress covers with Teddy & Arthur Edelman OLD-B3 Old Shrunken Buffalo Bull Leather, lot KA06FL and Aeristo Aerolamb Camel sheepskin, lot Y6M343. Attached Skandia, Inc. F.A.A./D.E.R. approved 8110-3, dated 01/24/07, work order 155311-07, document ID 74756, test ID 12NW-77971, DERY-405143-CE. Seatbelts were re-webbed by A.B.I. Attached SC-108B Certification / Packing list dated 01/19/07, to color coordinate. Each belt is tagged and identified as meeting FAA-TSO-C114, -C22F, or -C22G requirements.

3) Replaced the existing veneer on the entrance bulkheads with Carl F. Booth & Co. Elm Burl Veneer. Attached Skandia, Inc., F.A.A./D.E.R. approved 8110-3, dated 02/13/07, work order 156511-07, document ID 75004, test ID 60NW-6004, DERY-405020-CE.

4) Fireblocked and upholstered six (6) single cabin chairs, one (1) double seat, one (1) jumpseat, and potty seat with Teddy & Arthur Edelman OLD-B3 Old Shrunken Buffalo Bull Leather, lot KA06FL. Aircraft seat cushions have been fireblocked as per the requirements of 14 CFR, 25.853(c) Amendment 25 – 116 Appendix F Part II. Results of sample burn tests are documented on attached Skandia Inc. FAA/D.E.R. approved 8110-3, dated 02/09/07, work order 156074-07, document ID 74969, test plan 15724, DERY-410100-CE. Seatbelts were re-webbed by A.B.I. Attached SC-108B Certification / Packing list dated 01/19/07, to color coordinate. Each belt is tagged and identified as meeting FAA-TSO-C114, -C22F, or -C22G requirements.

5) Fireblocked and upholstered the L/H aft divan assembly with Jeffrey Arnoff Dugally Beige Chenille Fabric. Aircraft seat cushions have been fireblocked as per the requirements of 14 CFR, 25.853(c) Amendment 25 – 116 Appendix F Part II. Results of sample burn tests are documented on attached Skandia Inc. FAA/D.E.R. approved 8110-3, dated 01/18/07, work order 153082-06, document ID 74710, test plan 15465. DERY-410100-CE. Seatbelts were re-webbed by A.B.I. Attached SC-108B Certification / Packing list dated 01/19/07, to color coordinate. Each belt is tagged and identified as meeting FAA-TSO-C114, -C22F, or -C22G requirements.

6) Replaced the existing carpet throughout the aircraft with Texstyle 58A, 58B, 58C custom wool carpet. Attached Skandia, Inc. F.A.A./D.E.R. approved 8110-3 dated 01/09/07, work order 154634-07, document ID 74508, test ID 12-19848, DERY-405143-CE.

7) Removed the existing cabin ALC fluorescent indirect lighting system and replaced with B/E Aerospace LVIII Elite LED Lighting System and replaced the galley and lavatory incandescent lights with B/E Aerospace 6800 LED Lighting as per International Jet Interiors wiring diagram, B/E Aerospace Cabin LED Lighting System Installation, JRW0706-WD. Attached Skandia, Inc. F.A.A./D.E.R. approved 8110-3, dated 02/14/07, DERT-830134-NE.

8) Modified the existing Cabin 14VDC Accessory Power Distribution System as per International Jet Interiors wiring drawing, JRW0707-WD, Rev I/R Cockpit 14VDC Power Receptacle Installation. Attached F.A.A. form 8110-3 dated 02/16/07 by F.A.A./D.E.R. DERT-636280-NM.

9) Replaced the footrest hydroloks on the six (6) cabin seats with P.L. Porter Controls Hydrolocks. Attached F.A.A. 8130-3, dated 01/26/06, tracking number 536641, Authorization No. ODAR F601987NM.

10) All stitching is performed IAW International Jet Interiors Stitching Guide IJISG-1, rev. I/R.

11) All materials meet 14 CFR, 25.853 (a) Appendix F, Part I (a) (1) (ii).

12) Reference W.O. # 06264 on file at this agency for further information.

13) A logbook entry has been made reflecting this alteration.

14) A supplemental equipment list has been provided.

15) It has been determined that there is no significant weight change.

16) Passenger aisle width maintained per 14 CFR, 25.815.

17) The work described, has been found to be in conformity with the above mentioned approved data and continues to meet the airworthiness criteria under which it was originally certificated.

18) No further entries.

☐ Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 01/24/07

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	GIIB	Airplane	Skandia, Inc. International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
Work Order # 155311-07 Document ID 74756	FLAMMABILITY TEST RESULTS REF:Skandia, Inc. Design Data # S155311
Purchase Order # 2092	SPECIMEN #1. Test specimens are 3" x 12" composites consisting of Teddy & Arthur Edelman OLD-B3 Old Shrunken Buffalo Bull Leather Lot #KA06FL sewn back to back to Aeristo Aerolamb Camel Sheepskin Lot #Y6M343. Test specimens are representative of Crew Seat Dress Cover., REF TEST ID # 12NW-77971 "Flammability test witnessing only, does not constitute installation approval of the material."

PURPOSE OF DATA

Demonstration of compliance with material flammability requirements in support of Major Repair & Alteration for S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR PART 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)

CERTIFICATION -Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Carin Demus	DERY-405143-CE	Structural Special
Carin Demus		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 02/13/07

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	GII	Airplane	Skandia, Inc. International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
Work Order # 156511-07 Document ID 75004 Purchase Order # 2139	FLAMMABILITY TEST RESULTS REF:Skandia, Inc. Design Data # S156511 SPECIMEN #1 Test specimens are 3" x 12" composites consisting of AAR Composites 1/8" ATR-FP-121F1 bonded to Carl F Booth & Co Elm Burl Veneer. Veneer is finished as per International Jet Interiors Process Specification #01IJINV1AB. Components are bonded together with Akzo Nobel 3M 8046 Top/Trim Adhesive. Test specimens are representative of Entrance Bulkheads., REF TEST ID # 60NW-6004 "Flammability test witnessing only, does not constitute installation approval of the material."

PURPOSE OF DATA

Demonstration of compliance with material flammability requirements in support of Field Approval for S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(i)

CERTIFICATION -Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data
☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Judy Johnson	DERY-405020-CE	Structural Special

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 02/09/07

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
GULFSTREAM	G-1159B	Airplane	Skandia, Inc. International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
Work Order # 156074-07 Document ID 74969 Purchase Order # 2126	FIREBLOCKING FLAMMABILITY TEST RESULTS REF: Skandia, Inc. Test Plan #15724 Rev IR Dated: 02/06/07 For PN's 15724-1, 15724-2, 15724-3 & 15724-4 Edelman Leather, OLD-B3 Old Shrunken Buffalo Bull, Dye Lot KA06FL Skandia, Inc. F/R Canvas Natural Skandia, Inc. DAX Graphite/Poly 26 ILD Skandia, Inc. Ethafoam 4101

PURPOSE OF DATA
Demonstration of compliance with material flammability requirements in support of Field Approval for S/N 151

APPLICABLE REQUIREMENTS (List specific sections)
14 CFR Part 25.853 (c) Amendment 25-116 Appendix F Part II
14 CFR Part 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)

CERTIFICATION -Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Donna J. Parrish	DERY-410100-CE	Structural Special

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 01/18/07

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
GULFSTREAM	G1159B	Airplane	Skandia, Inc. International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
Work Order # 153082-06 Document ID 74710 Purchase Order # 2074	FIREBLOCKING FLAMMABILITY TEST RESULTS REF: Skandia, Inc. Test Plan #15465 Rev IR Dated: 01/10/2007 For PNs: 15465-1 & 15465-2 SKANDIA, INC.: DAX GRAPITE/POLY 26 ILD JEFFREY ARNOFF: FABRIC, DUGALLY, BEIGE, TREATED AT SKANDIA, INC. REF. TREATMENT #SKFP152676 "Flammability test witnessing only, does not constitute installation approval of the material."

PURPOSE OF DATA

Demonstration of compliance with material flammability requirements in support of Field Approval for S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR PART 25.853 (c) Amendment 25-116 Appendix F Part II
14 CFR PART 25.853 (a) Amdt 25-116 Appendix F Part I (a)(1)(ii)

CERTIFICATION -Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Donna J. Parrish	DERY-410100-CE	Structural Special
Donna J. Parrish		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 01/09/07

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
GULFSTREAM	GIIB	Airplane	Skandia, Inc. International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
Work Order # 154634-07 Document ID 74508 Purchase Order # 2070	FLAMMABILITY TEST RESULTS REF:Skandia, Inc. Design Data # V154634 SPECIMEN #1 TEXSTYLE: CARPET, 58A, 58B, 58C, CUSTOM WOOL TO BE INSTALLED UNBONDED IN AIRCRAFT MAIN CABIN, GALLEY, COCKPIT AND LAV FLOORS , REF TEST ID # 12-19848 "Flammability test witnessing only, does not constitute installation approval of the material."

PURPOSE OF DATA

Demonstration of compliance with material flammability requirements in support of Major Repair & Alteration for S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR PART 25.853(a) Amdt 25-116 App F Part I (a)(1)(ii)

CERTIFICATION -Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data
☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Carin Demus	DERY-405143-CE	Structural Special
Carin Demus		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: February 14, 2007

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Rnoio, Helicopter, etc.)	NAME OF APPLICANT
Gultstream Aerospace Corporation	G IIB	Airplane	International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
B/E Aerospace Inc. Report dated Feb. 14, 2007	LVIII "Elite" LED, fluorescent lighting system replacement on aircraft # 151 GIIB (see attached report -10 pages)
Drawing No. JRW0706-WD, Rev.I/R Dated 2/8/07	B/E Aerospace Cabin LED Lighting System Installation Reference Documents: 1- Inverter AL-5114 Installation Instruction AL-11026M, 2- Master Controller Installation Manual AL-116830M; Initial Rel;Dated 1/23/2007 3- TR Module Installation Manual AL-11625M, Initial Rel, Dated 1/26/2007 4- Drawings: No. 6825 Rev. B, dated 1/30/2007, LED lighting unit; No. 81529 Rev. B, dated 12/30/2007, Controller Module; No. 81528 Rev. B, dated 1/29/2007, TR Module 5- Enviormental Test Report No. STR-07906-1 6- EMI Test Report STR-07906-2 This approval is for engineering design data only. It indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and subparagraph listed below as "Applicable Requirements". This form does constitute FAA approval of all the engineering data necessary for substantiation of compliance to necessary requirements for the entire alteration. This approval is subject to satisfactory ground functional check and ground EMI/RFI checks to be conducted by International Jet Interiors.

PURPOSE OF DATA: To support a major alteration on S/N 151

APPLICABLE REQUIREMENTS (List specific sections): FAR 25.853(a) Amdt.116; 25.869 (a)(4)Amdt.113; 25.1301(a),(b),(c),(d); 25.1307(c) Amdt.72; 25.1309(a),(b),(d),(g) Amdt.41; 25.1351(a)(1) Amdt.72; 25.1353(a),(d)(1),(2),(3)Amdt.113; 25.1357(a); 25.1431(a)(c) Amdt.113; 25.1529 Amdt.54.

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 1 thru 10 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore:
- ☐ Recommend approval of these data
- ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBERS(S)	CLASSIFICATION(S)
Vito A. Pulera Vito A. Pulera	DERT-830134-NE	Systems and Equipment-Electrical & Mechanical

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION — ELECTRONIC FORMAT (7-00)

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 16 Feb 2007

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	GIIB	Airplane	International Jet Interiors

LIST OF DATA

IDENTIFICATION	TITLE
JRW0707-WD Rev IR 2 Sheets dated 08 Feb 2007	Cockpit 14VDC Power Receptacle Installation Notes: 1. This Statement of Compliance addresses only the electrical aspects of the engineering design data in the referenced drawing. 2. This document documents a finding of compliance only for the regulations listed below in the APPLICABLE REQUIREMENTS box. Compliance to additional regulations may be required. 3. This document does not provide full FAA approval of the equipment installation. Additional engineering data may be required for approval. 4. This approval is valid for Gulfstream Model GIIB aircraft , tail number N909JE (SN 151) only.

PURPOSE OF DATA To demonstrate compliance with applicable FARs in support of an aircraft modification documented in FAA Form 337.

APPLICABLE REQUIREMENTS (List specific sections)
FAR 25.1301(a), FAR 25.1357(a)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered -NA- have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data
- ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBERS(S)	CLASSIFICATION(S)
Karl M. Frantz	DERT-636280-NM	Systems and Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION ELECTRONIC FORMAT (7-00)

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZATION RELEASE CERTIFICATE** **FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG**	536641

4. Organization Name and Address: DECRANE AIRCRAFT SEATING CO., 701 MAPLE ST., P.O. BOX 129, PESHTIGO, WI 54157, USA

c/o P.L. Porter Controls, Inc., 3000 Winona Ave., P.O.Box 7722, Burbank, CA 91510–7722 USA
TSO C39b; TSO C127a

5. Work Order/Contract/Invoice Num: P.O # 2005-527

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Qty:	11. Serial/Batch Number:	12. Status/Work
1	HYDROLOK	SL02300-28	TSO Article: N/A	50	515019	New

13. Remarks THE PART SHIPPED UNDER THIS APPROVAL IS A SUB COMPONENT OF A FAA–PMA HIGHER ASSEMBLY.
DIRECT SHIP AUTHORIZATION

DECRANE AIRCRAFT SEATING CO., 701 MAPLE ST., P.O. BOX 129, PESHTIGO, WI 54157, USA

c/o P.L. Porter Controls, Inc., 3000 Winona Ave., P.O.Box 7722, Burbank, CA 91510–7722 USA
TSO C39b; TSO C127a

14. **Certifies the items identified above were manufactured in conformity to:**

- [X] **Approved design data and are in condition for safe operation**
- [ ] **Non–approved design data specified in Block 13.**

19. [ ] **14 CFR 43.9 Return to Service** [ ] **Other regulation specified in Block 13**

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature: Eva Alarcon	16. Approval/Authorization No.: ODAR F601987NM	20. Authorized Signature:	21. Approval/Certificate No.:
17. Name (Typed or Printed): Eva Alarcon	18. Date(m/d/y): JAN/26/2006	22. Name (Typed or Printed):	23. Date(m/d/y):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority differen[t] the airworthiness authority of the country specified in Block 1, it is essential that the user/ins[t]aller ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified i[n] 1.

Statements in B[l]ock 19 and 19 do not consitutue installation certification. In all cases, aircraft mainenance records [c]ontain an installation certification issued in accordance with the national regulations by the us[er] before the aircraft may be

EFTA00278151

Aircraft Belts Inc.
P.O. Box 845
2000 Anders Lane
Kemah Texas 77565

FAA R.S. #: YB1R632K

[redacted]

Form: SC-108B

AIRCRAFT BELTS, INC.

Packing Slip: 208

Page: 1

PACKING SLIP / CERTIFICATION

Ship To:

International Jet Interiors
[redacted]

Sold To:

International Jet Interiors
[redacted]

PO: 2073
Ship Date: 1/19/2007

Ship Via:FedEx P1
SO: 73092

FOB: ORIGIN
Sales Person: Terri Phillips

Line	Planned Qty	Shipped Qty	Backorder	Part Number	Revision	PO Line
1	1.00 EA	1.00	0.00	r5ptrps	IR	1
	Description: Reweb Pac Sci 4pt Assy w/Inertia Reel # 210 / #12					
2	2.00 EA	2.00	0.00	r4ptfps	IR	2
	Description: REWEB PAC SCI 4PT FIXED HARNES # 210/ #12					
3	4.00 EA	4.00	0.00	r3ptrabi	IR	3
	Description: Reweb ABI 3 Point Assy. w/Inertia reel # 12					
4	7.00 EA	7.00	0.00	rlaabi	IR	4
	Description: Reweb ABI Lap Belt # 210					
5	1.00 EA	1.00	0.00	rlaabi-p	IR	5
	Description: Reweb Plated ABI Lap Belt # 210					

RETURNED
1/26
FOR COLOR CHANGE
QC.

CERTIFICATION

This is to certify that the above components have been manufactured/repaired and inspected in accordance with current Federal Aviation Regulations: TSO C-22 and/or TSO C-114 and found airworthy for service unless otherwise noted. The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsability of those desiring to install either on or within a specific type of class of aircraft to determine that the aircraft installation conditions are within the TSO standards. If not within the TSO standards, the article may be installed only if further evaluation by the applicant documents an acceptable installation and is approved by the administrator. Details of this manufacture/repair are on file at this facility.

BY: Marilyn Flores AB-03

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification SO-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N909JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**	( ) U.S. Certified Mechanic ( ) Foreign Certified Mechanic (X) Certificated Repair Station ( ) Manufacturer	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED AIRFRAME, & P/P LIMITED INSTRUMENT

D. 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	Signature of Authorized Individual
8/20/04	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
8/20/04	**EYKR782D**	John K. Urso, Inspector.

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

GULFSTREAM – II (G-1159), S/N 151, REG N909JE, W/O 20985

INSTALLED AN ARTEX 406 MEGAHERTZ EMERGENCY LOCATOR TRANSMITTER (ELT) SYSTEM (TSO C126), IAW ARTEX C406-N MHZ EMERGENCY LOCATOR TRANSMITTER OPERATION, INSTALLATION AND MAINTENANCE MANUAL, DOCUMENT NO. 570-5060, REV B, AND THE FOLLOWING JET AVIATION DRAWINGS:

WIRING DRAWINGS:

- G2B-20895-370, REV IR, DATED 8/10/04, TITLED – EMERGENCY LOCATOR TRANSMITTER SYSTEM.

REFERENCE F.A.A. FORM 8110-3, DATED 8/16/04 BY SYSTEMS AND EQUIPMENT DER NO. DERT-510087-NM

STRUCTURAL DRAWINGS AND REPORTS:

- G2B-20895-1370, REV IR, DATED 8/9/04, TITLED – ELT EQUIPMENT INSTALLATION.
- G2B-20895-1371, REV IR, DATED 8/9/04, TITLED – ELT ANTENNA INSTALLATION.
- ER01489, REV IR, DATED 8/9/04, TITLED SUBSTANTIATION REPORT, ELT & EGPWS INSTALLATION FOR GULFSTREAM G1159B, S/N 151.

REFERENCE FAA FORM 8110-3 DATED 8/9/04 BY STRUCTURES DER NO. DERT-810028-NE.

THE NEW EQUIPMENT AND ASSOCIATED SYSTEMS WERE FUNCTIONALLY TESTED PER ARTEX 406 MHZ EMERGENCY LOCATOR TRANSMITTER OPERATION, INSTALLATION AND MAINTENANCE MANUAL, DOCUMENT NO. 570-5060, REV B, WITH NO DISCREPANCIES.

AN EMI TEST, REPORT NO.: G2B-20895-080 WAS CONDUCTED AND THE INSTALLED EQUIPMENT DOES NOT INTERFERE WITH ANY OTHER INSTALLED EQUIPMENT.

THE STATIC LOADING OF THE INSTALLED EQUIPMENT MEETS THE REQUIREMENTS OF AC 43.13-2A, CHAPTER 1, PARAGRAPH 3 AND WAS FOUND TO MEET THE REQUIREMENTS OF PARAGRAPH 2. MATERIALS AND PRACTICES COMPLY WITH PARAGRAPHS 4 THROUGH 12. THE ELECTRICAL LOAD ANALYSIS UPDATE REPORT NO G2B-20895-040 WAS COMPLETED IN ACCORDANCE WITH AC43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE FOR CONTINUED AIRWORTHINESS IS CONTAINED IN JET AVIATION DOCUMENT G2B-20895-050, TITLED – INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR ARTEX C406-N MHZ EMERGENCY LOCATOR TRANSMITTER.

THERE ARE NO COCKPIT PROCEDURAL CHANGES OR FLIGHT MANUAL SUPPLEMENT DUE TO THIS MODIFICATION

----------END----------

☐ Additional Sheets Are Attached

☺ U.S. G.P.O 1990-761-753

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: August 16, 2004

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc)	NAME OF APPLICANT
Gulfstream Aerospace Corp	G-1159B	Airplane	Jet Aviation Associates West Palm Beach, FL

LIST OF DATA

IDENTIFICATION	TITLE
G2B-20895-370, Initial Release, dated August 10, 2004	EMERGENCY LOCATOR TRANSMITTER SYSTEM ----- END OF LIST -----

PURPOSE OF DATA -
In support of the major alteration to G-1159B serial number 151, registration number N909JE.

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR 25.21 (a)	14 CFR 25.1309 (b)(d)(g)	14 CFR 25.1431 (a)(c)
14 CFR 25.581 (a)(b)(1)	14 CFR 25.1351 (a)	
14 CFR 25.869 (a)(4)	14 CFR 25.1353 (a)(b)	
14 CFR 25.1301 (a)(b)(c)(d)	14 CFR 25.1357 (a)(c)	

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered NONE have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore

☐ Recommend approval of these data

☒ Approve these data (Systems & Equipment Aspects, Design Approval Only, Does Not Constitute Installation Approval)

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Norman J. Curran	DERT-510087-NM	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION FILENAME: SC-G1159B-ELT.DOC GPO 901-613

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: August 9, 2004

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Airplane	Jet Aviation Associates

LIST OF DATA

IDENTIFICATION	TITLE
G2B-20895-1370	ELT Equipment Installation, Sht 1-4, Rev IR
G2B-20895-1371	ELT Antenna Installation, Sht 1-3, Rev IR
G2B-20895-1450	Minor Deviation to STC ST02789AT Mk VIII EGPWS Equipment Installation, Sht 1-7, Rev IR
ER01489	Substantiation Report Substantiation Report - ELT & EGPWS Installation for Gulfstream G1159B, s/n: 151

Note:

1. This approval is for structural aspects only.
2. This approval is based on analysis and drawing review.
3. After the repair or alteration, the aircraft must be returned to service by FAA authorized personnel.

PURPOSE OF DATA
To approve structural aspects of an alteration to Gulfstream G1159B, s/n: 151, TCDS A12EA

APPLICABLE REQUIREMENTS *(List specific sections)*

FAR	25.301	25.303	25.305	25.307	25.321	25.561
	25.601	25.603	25.605	25.609	25.611	25.613
	25.625					

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered ____0____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data.
- ☑ Approve these data.

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David E. Haralson *David E. Haralson*	DERT-810028-NE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

ER01489.doc

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE

(No data herein shall be deemed to have been approved by any regulatory agency).

JET AVIATION

CRS-EYKR782D

Jet Aviation Associates, Ltd.
[redacted]
Palm Beach Int'l Airport
West Palm Beach, FL 33406

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Work Order No.: 20895			MODEL:	TITLE:
	NAME	DATE	Gulfstream G-1159B	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR ARTEX C406-N EMERGENCY LOCATOR TRANSMITTER
Prepared By:	T. CARR	08/10/04		
Checked By:	J. URSO	08/16/04	S/N: 151	
Q/A:	J. URSO	08/16/04		
Engineer:	N/A	N/A	DOCUMENT NO.: G2B-20895-050	REV: IR / SCALE: NONE / SHEET: 1 OF 9
Approved:	N/A	N/A		

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification SO-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N909JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted]	( ) U.S. Certificated Mechanic ( ) Foreign Certificated Mechanic (X) Certificated Repair Station ( ) Manufacturer	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED AIRFRAME, & P/P LIMITED INSTRUMENT

D. I certify that 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	Signature of Authorized Individual
8/20/04	John K. Urso, Inspector.

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							Other *(Specify)*
	( )	FAA Flt. Standards Inspector	( )	Manufacturer	( )	Inspection Authorization	
	( )	FAA Designee	(X)	Repair Station	( )	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
8/20/04	**EYKR782D**	John K. Urso, Inspector.

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

GULFSTREAM – II (G-1159), S/N 151, REG N909JE, W/O 20985

ACCOMPLISHED AN UPGRADE TO THE EXISTING HONEYWELL MST-67A TRANSPONDERS FOR THE INCORPORATION OF FLIGHT ID. REMOVED TRANSPONDERS P/N 066-01143-0601 (TSO C112) AND INSTALLED TRANSPONDERS P/N 066-01143-2101 (TSO C112). REMOVED HONEYWELL TRANSPONDER CONTROL UNIT P/N 071-01507-3603 (TSO C112) AND INSTALLED TRANSPONDER CONTROL UNIT P/N 071-01618-0021 (TSO C112, C118, C119b). REFERENCE AC20-41A, SUBSTITUTE TECHNICAL STANDARD ORDER AIRCRAFT EQUIPMENT.

NO WIRING OR STRUCTURAL ALTERATIONS WERE ACCOMPLISHED.

THE NEW EQUIPMENT AND ASSOCIATED SYSTEMS WERE FUNCTIONALLY TESTED PER HONEYWELL MST67A MODE S TRANSPONDER SYSTEM MANUAL 006-00681-0006 WITH NO DISCREPANCIES.

AN EMI TEST, REPORT NO.: G2B-20895-080 WAS CONDUCTED AND THE INSTALLED EQUIPMENT DOES NOT INTERFERE WITH ANY OTHER INSTALLED EQUIPMENT.

THE STATIC LOADING OF THE INSTALLED EQUIPMENT MEETS THE REQUIREMENTS OF AC 43.13-2A, CHAPTER 1, PARAGRAPH 3 AND WAS FOUND TO MEET THE REQUIREMENTS OF PARAGRAPH 2. MATERIALS AND PRACTICES COMPLY WITH PARAGRAPHS 4 THROUGH 12. THE ELECTRICAL LOAD ANALYSIS UPDATE REPORT NO G2B-20895-040 WAS COMPLETED IN ACCORDANCE WITH AC43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRED PER F.A.R. 25.1529 ARE CONTAINED IN JET AVIATION DOCUMENT G2B-20895-051.

THERE ARE NO COCKPIT PROCEDURAL CHANGES OR FLIGHT MANUAL SUPPLEMENTS DUE TO THIS ALTERATION.

----------END----------

☐ Additional Sheets Are Attached

☺ U.S. G.P.O 1990-761-753

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE

(No data herein shall be deemed to have been approved by any regulatory agency).

JET AVIATION

CRS-EYKR782D

Jet Aviation Associates, Ltd.
[redacted]
Palm Beach Int'l Airport
West Palm Beach, FL 33406

PROPRIETARY NOTICE:
This document contains specifications and/or data, technical material, proprietary information that are the sole property of JET AVIATION ASSOCIATES, LTD. to be held and treated by its recipient on a confidential basis and is not to be shown or disclosed to any unauthorized organization or person without the written authorization of JET AVIATION ASSOCIATES, LTD.

Work Order No.: 20895			MODEL:	TITLE:
	NAME	DATE	Gulfstream G-1159B	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THE INSTALLATION OF THE HONEYWELL PS-578A MODE S/TCAS CONTROL PANEL
Prepared By:	T. CARR	08/10/04		
Checked By:	G. L. KARR	08/16/04	S/N: 151	
Q/A:	J. URSO	08/19/04		
Engineer:	N/A	N/A	DOCUMENT NO.: G2B-20895-051	REV: IR / SCALE: NONE / SHEET: 1 OF 5
Approved:	N/A	N/A		

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification 80-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N909JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted]	U.S. Certified Mechanic	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED AIRFRAME, & P/P LIMITED INSTRUMENT
	Foreign Certified Mechanic	
	X Certificated Repair Station	
	Manufacturer	

D. I certify that the work performed 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	Signature of Authorized Individual
8/20/04	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
8/20/04	**EYKR782D**	John K. Urso, Inspector.

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished

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

GULFSTREAM – II (G-1159), S/N 151, REG N909JE, W/O 20985

REMOVED THE EXISTING HONEYWELL MK I GROUND PROXIMITY WARNING SYSTEM AND INSTALLED A HONEYWELL MK VIII ENHANCED GROUND PROXIMITY WARNING SYSTEM (EGPWS) IN ACCORDANCE WITH JET AVIATION ASSOCIATES, LTD. STC NO. ST02789AT PER JET AVIATION ASSOCIATES, LTD., MASTER DRAWING LIST, DOCUMENT NO. G1159-19760-010, REV A. DATED 01/30/04, TITLED – MASTER DRAWING LIST FOR THE INSTALLATION OF THE MK VIII ENHANCED GROUND PROXIMITY WARNING SYSTEM (EGPWS) IN THE G-1159 SERIES AIRCRAFT. CONCURRENTLY ACCOMPLISHED RADIO ALTIMETER UPGRADE BY REMOVING THE # 1 AND # 2 COLLINS RADIO ALTIMETER ALT-50 AND INSTALLING COLLINS RADIO ALTIMETER ALT–55B IAW COLLINS ALT-50/55 RADIO ALTIMETER SYSTEM INSTALLATION MANUAL 523-0775918-004118 DATED 4/11/97. DEVIATIONS TO THE STC ARE DOCUMENTED ON THE FOLLOWING JET AVIATION DRAWINGS.

WIRING DRAWINGS:

- G2B-20895-450, REV IR DATED 8/13/04, TITLED – MINOR DEVIATIONS TO STC ST02789AT MK VIII EGPWS SYSTEM WIRING DIAGRAM.
- G2B-20895-506, REV IR, DATED 8/13/04, TITLED – MINOR DEVIATIONS TO STC ST02789AT AUXILIARY ANNUNCIATOR SYSTEM WIRING DIAGRAM.

REFERENCE FAA FORM 8110-3 DATED 8/16/04 BY SYSTEMS AND EQUIPMENT DER NO. DERT-510087-NM

STRUCTURAL DRAWING AND REPORT:

- G2B-20895-1450, REV IR DATED 8/5/04, TITLED – MINOR DEVIATIONS TO STC ST02789AT MK VIII EGPWS EQUIPMENT INSTALLATION.
- ER01489, REV IR, DATED 8/9/04, TITLED SUBSTANTIATION REPORT, ELT & EGPWS INSTALLATION FOR GULFSTREAM G1159B, S/N 151.

REFERENCE FAA FORM 8110-3 DATED 8/9/04 BY STRUCTURES DER NO. DERT-810028-NE.

THE MK VIII EGPWS WAS FUNCTIONALLY TESTED PER JET AVIATION GROUND TEST PROCEDURE DOCUMENT NO. G1159-19760-060 REV. A DATED 01/30/04, TITLED – CERTIFICATION GROUND TEST PROCEDURE FOR THE MK VIII EGPWS, WITH NO DISCREPANCIES.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRED PER F.A.R. 25.1529 IS CONTAINED IN JET AVIATION ASSOCIATES, LTD. DOCUMENT NO. G1159-19760-050, REV. IR, DATED 11/19/03.

THE REQUIRED FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT DOCUMENT NUMBER G1159-19760-100, REV. IR, DATED FEB 09 2004 HAS BEEN INSERTED INTO THE AIRCRAFT FLIGHT MANUAL.

END

☐ Additional Sheets Are Attached

☺ U.S. G.P.O 1990-761-753

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number ST02789AT

This certificate issued to Jet Aviation Associates, Ltd.
[redacted]d
Palm Beach, FL 33406

certifies that the change in the type design for the following product with the limitations and conditions thereof as specified hereon meets the airworthiness requirements of Part 25 *of the* Federal Aviation *Regulations.*

Original Product - Type Certificate Number A12EA
Make: Gulfstream Aerospace Corporation
Model: G-1159, G-1159A & G-1159B Series

Description of Type Design Change:
Installation of a Honeywell Model MK VIII Enhanced Ground Proximity Warning System (EGPWS) in accordance with Jet Aviation Master Drawing List (MDL) G1159-19760-010, Rev. A, Dated January 30, 2004 or later FAA approved revision.

Limitations and Conditions:
FAA Approved Flight Manual Supplement (AFMS) for Gulfstream Aerospace Corp. Models G-1159, G1159A & G-1159B Series Aircraft with Honeywell Model MK VIII EGPWS, Jet Aviation Document No. G1159-19760-100, Rev. IR, Dated February 9, 2004, is a required part of this STC. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the

Date of application: September 19, 2003
Date of issuance: February 9, 2004
Federal Aviation Administration

Date reissued.
Date amended.

By direction of the Administrator

Eugene L. Bollin
(Signature)
for Melvin D. Taylor
Manager
Atlanta Aircraft Certification Office

(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 Form 8110-2(10-68) PAGE 1 of 1 PAGES *This certificate may be transferred in accordance with FAR 21.47.*

JET AVIATION

SUPPLEMENTAL TYPE CERTIFICATE Nº. ST02789AT

BY USING THIS SUPPLEMENTAL TYPE CERTIFICATE, YOU AGREE TO THE FOLLOWING TERMS. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PROMPTLY RETURN THE SUPPLEMENTAL TYPE CERTIFICATE, MAINTENANCE INSTRUCTIONS, AND FLIGHT MANUAL SUPPLEMENT TO JET INCORPORATED FOR A FULL REFUND.

Jet Aviation Associates, Ltd (JET) grants you (the "Licensee") the right to use the Supplemental Type Certificate ("STC") referenced above on the Gulfstream G-1159B aircraft Serial N°. **151**, (the "Aircraft"). You may not use the STC and related materials, including drawings, flight manual inserts, instructions or other materials for any other aircraft or for any other purpose.

COPYRIGHT. The STC is owned by JET and is protected by United States copyright laws, other United States laws, and international treaty provisions. Therefore, you must treat the STC like any other copyrighted material. One (1) copy of the written materials accompanying the STC package may be made for each aircraft Serial Number listed above.

CONFIDENTIALITY. Licensee will protect the STC Data Package, whether in storage or in use, with the same degree of care as the Licensee uses to protect its own confidential and proprietary material against public disclosure and unauthorized use, but in no case with any less degree than reasonable care. Licensee will keep the STC Data Package confidential and will not disclose it to anyone other than employees of the Licensee reasonably having a need to have access to it for the purposes specified above, and such disclosure to them shall be made only under conditions of strict confidentiality.

LIMITED TRANSFER RIGHTS. You may not sell, rent or lease the STC, except that you may transfer your license to the STC to any purchaser of the Aircraft.

INDEMNIFICATION AND LIMITATION OF LIABILITY. Licensee shall have no recourse against JET for, and hereby agrees to defend, indemnify and hold harmless JET, its shareholders, directors, officers, employees and agents, against any and all claims (whether in contract, tort, or otherwise, including negligence of any degree) for or in respect of any loss (including loss of use and/ or profit), expense, liability, property damage and/or bodily injury (including death) which may at any time be suffered or incurred (for any reason whatsoever) by Licensee and/or any third parties (including persons or any property being carried in the Aircraft in any capacity whatsoever), directly or indirectly arising out of or in connection with the use of the STC Data Package by Licensee or by any person obtaining access to the STC Data Package from or through Licensee.

REMEDIES FOR BREACH. Licensee agrees that, without limiting any other available remedies, JET shall be entitled to an injunction or other equitable relief in the event of any breach of the terms of this Agreement. It is further agreed and understood that no failure or delay by JET in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise thereof preclude any other or further exercise of any such right or remedy.

This Agreement is covered by the laws of the State of Florida.

Gordon Karr

Gordon Karr
Engineering Supervisor

JPBI-STCLA-2004

JET AVIATION ASSOCIATES, INC. [redacted] **PALM BEACH INT'L AIRPORT WEST PALM BEACH, FL 33406**
PHONE: (1-561) 233-7200 FAX: (1-561) 233-7240 www.jetaviation.com

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE
A	G.L.K.	Section A. Revised the following Document: G1159-19760-060 Rev A. Section B. Revised the following Document/Drawings: G1159-19760-003 Rev A, G1159-19760-450 Rev A, G1159-19760-506 Rev A, and G1159-19760-1450 Rev A.	N.J. CURRAN	01/30/04

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Your use of this document constitutes acceptance of these terms.

JET AVIATION

CRS-EYKR782D

Jet Aviation Associates, Ltd.
[redacted]

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Work Order No.: 19760			MODEL:	TITLE: MASTER DRAWING LIST		
	NAME	DATE	Gulfstream G-1159 Series	FOR THE INSTALLATION OF THE HONEYWELL MK VIII ENHANCED GROUND PROXIMITY WARNING SYSTEM (EGPWS) IN THE G-1159 SERIES AIRCRAFT		
Prepared By:	G.L. KARR	08/15/03				
Checked By:	T. CARR	11/18/03	S/N:			
Q/A:	N/A	N/A				
Engineer:	G.L. KARR	11/18/03	DOCUMENT NO.:	REV:	SCALE:	SHEET:
Approved:	N.J. CURRAN	11/19/03	G1159-19760-010	A	NONE	1 OF 4

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE

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CRS-EYKR782D

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Work Order No.: 19760			MODEL:	TITLE:			
	NAME	DATE	Gulfstream G-1159 Series	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THE INSTALLATION OF THE HONEYWELL MK VIII ENHANCED GROUND PROXIMITY WARNING SYSTEM (EGPWS)			
Prepared By:	G. L. KARR	11/05/03					
Checked By:	T. CARR	11/05/03	S/N:				
Q/A:	N/A	N/A					
Engineer:	G. L. KARR	11/18/03	DOCUMENT NO.:	REV:	SCALE:	SHEET:	
Approved:	N.J. CURRAN	11/19/03	G1159-19760-050	IR	NONE	1 OF 7	

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE
A	G.L.K.	Revised Section 7.2 Aircraft Configuration Chart, Test Section Column, Category 14 from 0 to 2. Section 7.3.7.4 added note. Section 7.3.9.5, corrected order of Voice Messages and corrected item n expected value from 0 to 2. Section 7.3.10, Ground Landing Gear Discrete added gear up simulation note, +28V Flap Landing Flap Discrete Level 6 Audio Readout and added note, Autopilot Disconnect Level 6 Audio Read Out, Momentary Flap Override Discrete correct Signal Type, added Press and Hold to Test Value. Section 8.1 Radio Altitude and Decision Height added note. Section 8.3 Navigation ILS, CVT Item RawAACCGS1 Test Value from 1 dot fly up to 2 dot fly up and CVT item RawAACLoc1 Test value from 1 dot fly left to 2 dot fly left. Section 8.8 Added gear up simulation note. Appendix B, CVT Items Table.	N.J. CURRAN	01/30/04

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Work Order No.: 19760			MODEL:	TITLE:
	NAME	DATE	**Gulfstream G1159-Series**	**CERTIFICATION GROUND TEST PROCEDURE FOR THE MK VIII EGPWS**
Prepared By:	G.L. KARR	10/20/03		
Checked By:	T. CARR	10/30/03	S/N:	
Q/A:	N/A	N/A		
Engineer:	G.L. KARR	11/18/03		
Approved:	N.J. CURRAN	11/19/03		

DOCUMENT NO.:	REV:	SCALE:	SHEET:
G1159-19760-060	**A**	**NONE**	**1 OF 34**

JET AVIATION

Jet Aviation Associates Ltd.

[redacted]

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR THE

HONEYWELL MK VIII

ENHANCED GROUND PROXIMITY WARNING SYSTEM (EGPWS)

IN THE

GULFSTREAM AEROSPACE CORPORATION

MODELS G-1159/G-1159A/G-1159B SERIES AIRCRAFT

REG. NO. N909JE

SERIAL NO. 151

Document No. G1159-19760-100

This Supplement must be attached to the FAA Approved Airplane Flight Manual when the airplane is modified by the installation of a Honeywell Enhanced Ground Proximity Warning System (EGPWS) in accordance with technical data approved by STC ST02789AT.

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For Limitations, Procedures, and Performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

FAA Approved: Eugene L. Bollini

for Manager
Federal Aviation Administration
Atlanta Aircraft Certification Office, ACE-116A
One Crown Center
1895 Phoenix Boulevard, Suite 450
Atlanta, Georgia

FAA Approved Date: 2/9/04

EFTA00278179

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: August 16, 2004

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc)	NAME OF APPLICANT
Gulfstream Aerospace Corp.	G-1159B	Airplane	Jet Aviation Associates West Palm Beach, FL

LIST OF DATA

IDENTIFICATION	TITLE
G3-20895-450, Initial Release, dated August 13, 2004	MINOR DEVIATION TO STC ST02789AT MK VIII EGPWS SYSTEM WIRING DIAGRAM
G3-20895-506, Initial Release, dated August 13, 2004	MINOR DEVIATION TO STC ST02789AT AUXILIARY ANNUNCIATOR SYSTEM WIRING DIAGRAM
	------ END OF LIST ------

PURPOSE OF DATA - **In support of the major alteration to G-1159B serial number 151, registration number N909JE. The differences between the data listed above and the similar data contained in STC ST02789AT are minor, therefore STC ST02789AT can be used as the basis of design approval on the above listed aircraft..**

APPLICABLE REQUIREMENTS (List specific sections)

14 CFR 25.21 (a)	14 CFR 25.1322 (a)(b)(c)(d)	14 CFR 25.1431 (a)(c)
14 CFR 25.869 (a)(4)	14 CFR 25.1351 (a)	
14 CFR 25.1301 (a)(b)(c)(d)	14 CFR 25.1353 (a)(b)	
14 CFR 25.1309 (a)(b)(c)(d)(g)	14 CFR 25.1357 (a)(c)	

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered NONE have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore

☐ Recommend approval of these data

☒ Approve these data (Systems & Equipment Aspects, Design Approval Only, Does Not Constitute Installation Approval)

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Norman J. Curran	DERT-510087-NM	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION FILENAME: SC-N909JE-EGPWS.DOC GPO 901-613

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: August 9, 2004

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Airplane	Jet Aviation Associates

LIST OF DATA

IDENTIFICATION	TITLE
G2B-20895-1370	ELT Equipment Installation, Sht 1-4, Rev IR
G2B-20895-1371	ELT Antenna Installation, Sht 1-3, Rev IR
G2B-20895-1450	Minor Deviation to STC ST02789AT Mk VIII EGPWS Equipment Installation, Sht 1-7, Rev IR
ER01489	Substantiation Report Substantiation Report - ELT & EGPWS Installation for Gulfstream G1159B, s/n: 151

Note:

1. This approval is for structural aspects only.
2. This approval is based on analysis and drawing review.
3. After the repair or alteration, the aircraft must be returned to service by FAA authorized personnel.

PURPOSE OF DATA
To approve structural aspects of an alteration to Gulfstream G1159B, s/n: 151, TCDS A12EA

APPLICABLE REQUIREMENTS *(List specific sections)*

FAR	25.301	25.303	25.305	25.307	25.321	25.561
	25.601	25.603	25.605	25.609	25.611	25.613
	25.625					

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 0 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data.
- ☑ Approve these data.

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David E. Haralson David E. Haralson	DERT-810028-NE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

EFTA00278183

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification 90-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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	Model
GULFSTREAM AEROSPACE	G1159B
Serial No. 151	**Nationality and Registration Mark** U.S.A. N909JE

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
HYPERION AIR INC.	[redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] WEST PALM BEACH. FL. 33406	[ ] U.S. Certified Mechanic [ ] Foreign Certified Mechanic [X] Certificated Repair Station [ ] Manufacturer	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED A/F & ENG.

D. 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	Signature of Authorized Individual
2/19/03	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
2/19/03	EYKR782D	Donald D. Webb, Inspector.

FAA Form 337 (12-88)

EFTA00278185

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.

Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

N909JE, GULFSTREAM G-IIB, S/N 151 W/O 18980.

ACCOMPLISHED AN UPGRADE TO THE EXISTING AIRCELL TELEPHONE SYSTEM PREVIOUSLY INSTALLED UNDER FAA FORM 337 DATED 4/21/00. REMOVED MODEL AGT02 TELEPHONE TRANSCEIVER P/N 900002-2 AND INSTALLED MODEL AST-3500 AIR / SATELLITE TELEPHONE TRANSCEIVER P/N 400-10640-001. A NEW ANTENNA P/N 015-10306-001 WAS INSTALLED FOR SATELLITE OPERATIONS AT F.S. 280.0 AND AN ADDITIONAL HANDSET P/N 500-10036-001 WAS INSTALLED IN THE COCKPIT. THIS MODIFICATION WAS ACCOMPLISHED PER THE FOLLOWING JET AVIATION DRAWINGS:

WIRING DRAWING:

- G2B-18980-342, REV A, DATED 1/10/03, TITLED – AIR / SATELLITE TELEPHONE SYSTEM.

REFERENCE FAA FORM 8110-3 DATED 2/14/03 BY SYSTEMS AND EQUIPMENT DER NO. DERT-510335-NM.

STRUCTURAL DRAWING AND REPORT:

- G2B-18980-1342, REV IR, DATED 1/10/03, TITLED – IRIDIUM / GPS ANTENNA INSTALLATION.
- ERO1304, REV IR, DATED 1/13/03, TITLED – STRUCTURAL SUBSTANTIATION FOR IRIDIUM / GPS ANTENNA FOR G1159B S/N 151.

REFERENCE FAA FORM 8110-3 DATED 1/13/03 BY STRUCTURES DER NO. DERT-810028-NE

THE NEW EQUIPMENT WAS FUNCTIONALLY TESTED PER AIRCELL AST-3500 INSTALLATION MANUAL 800-10640, REV AWITH NO DISCREPANCIES.

AN EMI TEST, REPORT NO.: G2B-18980-080, REV IR, DATED 1/29/03 WAS CONDUCTED AND THE INSTALLED EQUIPMENT DOES NOT INTERFERE WITH ANY OTHER INSTALLED EQUIPMENT. MAGNETIC DIRECTION INDICATORS WERE CHECKED FOR ACCURACY AND COMPENSATED AS NECESSARY PER AC 43.13-1B, CHAPTER 12, SECTION 3, PARAGRAPH 12-37 AND AC 43.13-2A, CHAPTER 2 PARAGRAPH 23f.

THE STATIC LOADING OF THE INSTALLED EQUIPMENT MEETS THE REQUIREMENTS OF AC 43.13-2A, CHAPTER 1, PARAGRAPH 3 AND WAS FOUND TO MEET THE REQUIREMENTS OF PARAGRAPH 2. MATERIALS AND PRACTICES COMPLY WITH PARAGRAPHS 4 THROUGH 12. THE ELECTRICAL LOAD ANALYSIS UPDATE REPORT NO. G2B-15813-041, REV IR, WAS COMPLETED IN ACCORDANCE WITH AC43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37.

AIRCRAFT METAL WORK INVOLVING METAL REPAIR OR ALTERATION COMPLIES WITH AC43.13-1B, CHAPTER 4, SECTIONS 1, 2, 3 AND 4, CHAPTER 6, SECTIONS 3 AND 8. HARDWARE AND MATERIALS USED IN THE INSTALLATION CONFORM TO AC43.13-1B, CHAPTER 7, SECTIONS 1-5 AS APPLICABLE. CIRCUIT BREAKERS, SWITCHES AND CONNECTORS ARE OF THE TYPE RECOMMENDED BY THE AIRCRAFT MANUFACTURER OR ARE MIL SPEC APPROVED FOR AIRCRAFT USE AND MEET THE REQUIREMENTS OF AC43.13-1B, CHAPTER 11, SECTION 4. ELECTRICAL/ELECTRONIC WIRING WAS SELECTED AND INSTALLED IAW AC43.13-1B, CHAPTER 11, SECTIONS 5-8, 13, 15, 17-19 AND AC43.13-2A CHAPTER 2, PARAGRAPHS 21, 22 & 27. ROUTING, LACING AND TYING COMPLIES WITH AC43.13-1B, CHAPTER 11, SECTIONS 9-12. WIRE MARKING COMPLIES WITH AC43.13-1B SECTION 16. ELECTRONIC EQUIPMENT INSTALLATION COMPLIES WITH THE AIRCRAFT AND EQUIPMENT MANUFACTURER'S INSTRUCTIONS AND AC43.13-2A, CHAPTER 2, PARAGRAPHS 21 THROUGH 26 AND CHAPTER 3, PARAGRAPH 44.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRED PER F.A.R. 25.1529 ARE CONTAINED IN AIRCELL INC. DOCUMENT 820-10640-001, REV B DATED 10/25/02 AND JET AVIATION DOCUMENT G2B-18980-050, REV IR, DATED 1/29/03.

THERE ARE NO COCKPIT PROCEDURAL CHANGES DUE TO THIS MODIFICATION.

END

☐ Additional Sheets Are Attached

★ U.S. G.P.O 1990-761-753

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: January 13, 2003

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Airplane	Jet Aviation Associates

LIST OF DATA

IDENTIFICATION	TITLE
G2B-18980-1342	Iridium/GPS Antenna Installation, Sht 1-3, Rev IR
ER01304	Structural Substantiation for Iridium/GPS Antenna Installation for Gulfstream G1159B, S/N: 151

Note:

1. This approval is for structural aspects only and does not include flammability.
2. After the alteration, the aircraft must be returned to service by FAA authorized personnel.
3. This approval is based on analysis and drawing review.

PURPOSE OF DATA

To approve structural aspects of an alteration to Gulfstream G1159B, S/N: 151, TCDS A12EA

APPLICABLE REQUIREMENTS *(List specific sections)*

FAR 25.301 25.303 25.305(a) 25.307(a) 25.601 25.603
25.605(a) 25.609 25.611 25.613

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 0 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore

☐ Recommend approval of these data.
☑ Approve these data.

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David E. Haralson *David E. Haralson*	DERT-810028-NE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

ER01304.doc

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 02/14/2003

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc)	NAME OF APPLICANT
Gulfstream Aerospace	G1159B	Airplane	Jet Aviation Associates, Ltd. West Palm Beach, Florida

LIST OF DATA

IDENTIFICATION	TITLE
G2B-18980-342, Revision A	Air / Satellite Telephone System

END

PURPOSE OF DATA
Approval of design data for the installation of the Aircell Satcom in aircraft serial no. 151, registration no. N909JE;
Systems & Equipment Design Approval Only.

APPLICABLE REQUIREMENTS of Title 14 CFR (List specific sections)

FAR 25.869 (a)(4)
FAR 25.1301 (a)(b)(c)(d)
FAR 25.1307 (c)
FAR 25.1353 (a)(b)
FAR 25.1357 (a)(c)(d)
FAR 25.1431 (c)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered NONE have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (~~We~~) Therefore

☐ Recommend approval of these data

☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Leslie S. Roblin	DERT-510335-NM	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION (g2B_satcom-3a.doc) GPO 901-613

REVISION STATUS				
REV LTR	REV BY	DESCRIPTION	APPROVAL	DATE

(No data herein shall be deemed to have been approved by any regulatory agency).

JET AVIATION

CRS-EYKR782D

Jet Aviation Associates, Ltd.
[redacted]
Palm Beach Int'l Airport
West Palm Beach, FL 33406

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Work Order No.: 18980			MODEL:	TITLE:
	NAME	DATE	Gulfstream G1159B	MAINTENANCE REQUIREMENTS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR THE INSTALLATION OF THE AIRCELL AST-3500 AIR/SATELLITE TELEPHONE SYSTEM
Prepared By:	G. L. KARR	01/29/03		
Checked By:	G.L. KARR	01/29/03	S/N: 151	
Q/A:	J. URSO	01/29/03		
Engineer:	N/A	N/A	DOCUMENT NO.: G2B-18980-050	REV: IR / SCALE: NONE / SHEET: 1 OF 4
Approved:	N/A	N/A		

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification 80-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N909JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency		C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**		U.S. Certified Mechanic	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED A/F & ENG.
		Foreign Certified Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
5/8/03	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
5/8/03	**EYKR782D**	Ronald K. Bystrom, Quality Assurance Manager

FAA Form 337 (12-88)

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.

Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

N909JE, GULFSTREAM G-IIB, S/N 151 W/O 19499.

REFERENCE FAA FORM 337 DATED 2/19/03 UPGRADING AIRCELL INC. AIR/GROUND CELL PHONE SYSTEM TO AIR/SAT PHONE SYSTEM.

CONVERTED AIR/SAT PHONE SYSTEM BACK TO AIR/GROUND SYSTEM BY REMOVING AIRCELL INC. AIR/SAT TRANSCEIVER MODEL AST-3500 P/N 4000-10640-001, PREVIOUSLY INSTALLED UNDER FAA 337 FORM DATED 2/19/03 AND INSTALLING AIRCELL INC. TRANSCEIVER MODEL AGT.01 P/N 900002-2.

NO WIRING CHANGES WERE NECESSARY FOR THIS ALTERATION. WIRING FOR THE AIRCELL AIR/GROUND CELL PHONE SYSTEM WAS ORIGINALLY INSTALLED USING JET AVIATION WIRING DRAWING ACS20001, REV IR, DATED 2/14/00, WHICH IS SUBSTANTIATED BY FAA FORM 8110-3 DATED 4/01/00 BY DER NO. SO-528.

DISCONNECTED, CAPPED AND STOWED SATCOM ANTENNA COAX CABLE PREVIOUSLY INSTALLED USING JET AVIATION WIRING DRAWING G2B-18981-342, REV A, DATED 2/12/03, WHICH IS SUBSTANTIATED BY FAA FORM 8110-3 DATED 2/14/03 BY DER NO. DERT-510335-NM.

RECONNECTED EXISTING GROUND ANTENNA CABLE, PREVIOUSLY INSTALLED USING JET AVIATION WIRING DRAWING ACS20001, REV IR, DATED 2/14/00, WHICH IS SUBSTANTIATED BY FAA FORM 8110-3 DATED 4/01/00 BY DER NO. SO-528.

THIS ACTION RETURNS THE AIRCRAFT AIRCELL AIR/GROUND CELL PHONE SYSTEM TO THE ORIGINAL CONFIGURATION AS INSTALLED UNDER FAA FORM 337 DATED 4/21/00.

THE EQUIPMENT WAS FUNCTIONALLY TESTED PER AIRCELL AGT-01 INSTALLATION MANUAL 800-10220, REV IR, DATED 12/2000 WITH NO DISCREPANCIES.

AN EMI TEST, REPORT NO.: G2B-19499-080, REV IR, DATED 5/8//03 WAS CONDUCTED AND THE INSTALLED EQUIPMENT DOES NOT INTERFERE WITH ANY OTHER INSTALLED EQUIPMENT. MAGNETIC DIRECTION INDICATORS WERE CHECKED FOR ACCURACY AND COMPENSATED AS NECESSARY PER AC 43.13-1B ,CHAPTER 12, SECTION 3, PARAGRAPH 12-37 AND AC 43.13-2A, CHAPTER 2 PARAGRAPH 23f.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRED PER F.A.R. 25.1529 ARE CONTAINED IN AIRCELL AGT-01 INSTALLATION MANUAL 800-10220, REV IR, DATED 12/2000.

THERE ARE NO COCKPIT PROCEDURAL CHANGES DUE TO THIS MODIFICATION.

END

☐ Additional Sheets Are Attached

★ U.S. G.P.O 1990-761-753

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: APRIL 01, 2000

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (AIRPLANE, RADIO, HELICOPTER, etc.)	NAME OF APPLICANT
GULFSTREAM	G-1159B	AIRPLANE	JET AVIATION

LIST OF DATA

IDENTIFICATION	TITLE
ACP20001, 1 SHT REV. IR DATE:02-28-00	WIRING DIAGRAM: CABIN 14VDC ACCESSORY POWER DISTRIBUTION
ACS20001, 2 SHTS REV. IR DATE:02-14-00	WIRING DIAGRAM: AIRCELL TELEPHONE SYSTEM
ENT20002, 6 SHTS REV. A DATE:02-25-00	WIRING DIAGRAM: CABIN ENTERTAINMENT SYSTEM
ENT20003, 3 SHTS REV. IR DATE:02-27-00	WIRING DIAGRAM: CABIN HEADPHONE SYSTEM MODIFICATION
ENT20004, 3 SHTS REV. IR DATE:02-28-00	WIRING DIAGRAM: CABIN VIDEO SYSTEM
INV20001, 2 SHTS REV. IR DATE:02-23-00	WIRING DIAGRAM: CABIN 60 HZ SYSTEM
IR20001, 1 SHT REV. IR DATE:02-25-00	WIRING DIAGRAM: CABIN EQUIPMENT INFRARED REPEATER SYSTEM

PURPOSE OF DATA

PROVIDE A RECORD OF APPROVAL OF COMPLIANCE WITH THE FOLLOWING FARs ON GULFSTREAM G-1159B AIRCRAFT N908JE (S/N 151).

APPLICABLE REQUIREMENTS (List specific sections)

14CFR21.305	14CFR25.1301	14CFR25.1353	14CFR25.
14CFR25.603	14CFR25.1309	14CFR25.1357	
14CFR25.777	14CFR25.1321	14CFR25.1381	
	14CFR25.1351	14CFR25.1423	

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of Federal Aviation Regulations, data listed above and on attached sheets numbered XXXXXXXXXX have been examined in accordance with established procedures and found to comply with applicable requirements of the federal Aviation Regulations.

I (~~We~~) Therefore ☐ Recommend approval of these data

☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
W.C.JANZER	SO-528	SYSTEMS & EQUIPMENT
G1159BENTERTAIN.N908JE		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

GPO 901-613

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 02/14/2003

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc)	NAME OF APPLICANT
Gulfstream Aerospace	G1159B	Airplane	Jet Aviation Associates, Ltd. West Palm Beach, Florida

LIST OF DATA

IDENTIFICATION	TITLE
G2B-18980-342, Revision A	Air / Satellite Telephone System

END

PURPOSE OF DATA
Approval of design data for the installation of the Aircell Satcom in aircraft serial no. 151, registration no. N909JE;
Systems & Equipment Design Approval Only.

APPLICABLE REQUIREMENTS of Title 14 CFR (List specific sections)

FAR 25.869 (a)(4)
FAR 25.1301 (a)(b)(c)(d)
FAR 25.1307 (c)
FAR 25.1353 (a)(b)
FAR 25.1357 (a)(c)(d)
FAR 25.1431 (c)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered NONE have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore

☐ Recommend approval of these data

☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Leslie S. Roblin	DERT-510335-NM	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION (g2B_satcom-3a.doc) GPO 901-613

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-RSDO-17

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S. N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**	( ) U.S. Certificated Mechanic ( ) Foreign Certified Mechanic (X) Certificated Repair Station ( ) Manufacturer	CRS EYKR782D

D. 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	Signature of Authorized Individual
1/12/2001	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1/12/2001	**EYKR782D**	Ronald K. Bystrom, Manager Quality Assurance

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished

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

GULFSTREAM 1159 B. S/N 151. REG N908JE. W/O 15813 / 15929

INSTALLED A NEW GARMIN GPS ANTENNA P/N 011-00134-00 AT FUSELAGE STATION 148.25, LBL 11.25 PER JET AVIATION DRAWING ABA99042-M01, REV IR, DATED 1/5/2001, SHEET 1 OF 1, TITLED - GPS ANTENNA INSTALLATION. REF F.A.A. FORM 8110-3 DATED 1/7/2001 BY STRUCTURES D.E.R. NO. DERT-810050-NE. WIRING PROVISIONS WERE INSTALLED PER JET AVIATION DRAWING G2B-15929-415, REV IR, DATED 1/2/2001, SHEET 1 OF 1,TITLED – GARMIN HANDHELD GPS ANTENNA PROVISIONS.

AIRCRAFT METAL WORK INVOLVING METAL REPAIR OR ALTERATION COMPLIES WITH AC43.13-1B, CHAPTER 4, SECTIONS 1, 2, 3 AND 4, CHAPTER 6, SECTIONS 3 AND 8. HARDWARE AND MATERIALS USED IN THE INSTALLATION CONFORM TO AC43.13-1B, CHAPTER 7, SECTIONS 1- 5 AS APPLICABLE. CIRCUIT BREAKERS, SWITCHES AND CONNECTORS ARE OF THE TYPE RECOMMENDED BY THE AIRCRAFT MANUFACTURER OR ARE MIL SPEC APPROVED FOR AIRCRAFT USE AND MEET THE REQUIREMENTS OF AC43.13-1B, CHAPTER 11, SECTION 4. ELECTRICAL/ELECTRONIC WIRING WAS SELECTED AND INSTALLED IAW AC43.13-1B, CHAPTER 11, SECTIONS 5-8, 13, 15, 17-19 AND AC43.13-2A CHAPTER 2, PARAGRAPHS 21, 22 & 27. ROUTING, LACING AND TYING COMPLIES WITH AC43.13-1B, CHAPTER 11, SECTIONS 9-12. WIRE MARKING COMPLIES WITH AC43.13-1B SECTION 16. ELECTRONIC EQUIPMENT INSTALLATION COMPLIES WITH THE AIRCRAFT AND EQUIPMENT MANUFACTURER'S INSTRUCTIONS AND AC43.13-2A, CHAPTER 2, PARAGRAPHS 21 THROUGH 26 AND CHAPTER 3, PARAGRAPH 44.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

CONTINUING AIRWORTHINESS INSPECTION REQUIREMENTS ARE CONTAINED IN G1159B MAINTENANCE MANUAL CHAPTER 53-00-00, (FUSELAGE PENETRATION INSPECTION).

THERE ARE NO COCKPIT PROCEDURAL CHANGES DUE TO THIS INSTALLATION.

END

☐ Additional Sheets Are Attached

☆ U.S. G.P.O 1990-761-753

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: Jan. 7. 2001

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO	TYPE (Airplane. Radio. Helicopter. etc.)	NAME OF APPLICANT
Gulfstream	G11598	Airplane	Jet Aviation Associates, LTD

LIST OF DATA

IDENTIFICATION	TITLE
ABA99042-M01	Mod. Drawing: GPS Antenna Installation: Sh. 1 . Rev. IR dated Jan. 5, 2001

PURPOSE OF DATA

to approve structural aspects only of GPS antenna instl as part of a major alteration to A/C S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

FAR 25.307(a), 609(a)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered ___ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data
- ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Lauren Napier Lauren Napier	DERT-810050-NE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

GPO 901 613

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-FSDO-17

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No: 151	Nationality and Registration Mark: U.S. N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency		C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**		U.S. Certified Mechanic	CRS EYKR782D
		Foreign Certified Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
1/12/2001	John K. Urso, Inspector.

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1/12/2001	**EYKR782D**	Ronald K. Bystrom, Manager Quality Assurance

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

GULFSTREAM 1159 B. S/N 151. REG N908JE. W/O 15813 / 15929

INSTALLED AN ALLIED-SIGNAL CAS67A TRAFFIC ALERT AND AVOIDANCE SYSTEM (TCAS II) AND DUAL MODE S TRANSPONDERS PER MIDCOAST AVIATION INC. STC ST00298WI, DATED 3/22/95, USING MIDCOAST AVIATION INC. CERTIFICATION DRAWING LIST NO. AD950003, REV H, DATED 4/28/00. MINOR DEVIATIONS TO THE STC ARE DOCUMENTED ON THE FOLLOWING JET AVIATION DRAWINGS WHICH ARE SUBSTANTIATED BY F.A.A. FORM 8110-3 RESPECTIVELY.

WIRING DRAWINGS:

- G2B-15813-440, REV IR, DATED 12/7/00, SHEETS 1 THRU 4, TITLED - DUAL MODE S TRANSPONDER SYSTEM MINOR DEVIATION TO STC ST00298WI (MST-67A).
- G2B-15813-441, REV A, DATED 12/22/00, SHEETS 1 THRU 4, TITLED – TCAS II SYSTEM MINOR DEVIATION TO STC ST00298WI (CAS-67A).

REFERENCE F.A.A. FORM 8110-3, DATED 1/9/2001, BY SYSTEMS AND EQUIPMENT DER NO. DERT-510087-NM.

STRUCTURAL DRAWINGS:

- G2B-15813-1441, REV IR, DATED 12/28/00, SHEETS 1 THRU 8, TITLED – MINOR DEVIATION TO STC ST00298WI TCAS / TRANSPONDER EQUIPMENT INSTALLATION.
- G2B-15813-1441-M01, REV A, DATED 12/4/00, SHEETS 1 THRU 11, TITLED – MINOR DEVIATION TO STC ST00298WI TCAS / TRANSPONDER ANTENNA INSTALLATION.

REFERENCE F.A.A. FORMS 8110-3, DATED 1/7/2001 & 1/9/2001, BY STRUCTURAL DER NO. DERT-810050-NE.

THE NEW EQUIPMENT AND ASSOCIATED SYSTEMS WERE FUNCTIONALLY TESTED PER ALLIED-SIGNAL INSTALLATION MANUAL 006-05340-0005, REV 5, DATED 8/99 WITH NO DISCREPANCIES.

THE STATIC LOADING OF THE INSTALLED EQUIPMENT MEETS THE REQUIREMENTS OF AC 43.13-2A, CHAPTER 1, PARAGRAPH 3 AND WAS FOUND TO MEET THE REQUIREMENTS OF PARAGRAPH 2. MATERIALS AND PRACTICES COMPLY WITH PARAGRAPHS 4 THROUGH 12. THE ELECTRICAL LOAD ANALYSIS UPDATE REPORT NO. G2B-15813-041 REV IR, SHEET 1, DATED 1/4/01 WAS COMPLETED IN ACCORDANCE WITH AC43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37.

AIRCRAFT METAL WORK INVOLVING METAL REPAIR OR ALTERATION COMPLIES WITH AC43.13-1B, CHAPTER 4, SECTIONS 1, 2, 3 AND 4, CHAPTER 6, SECTIONS 3 AND 8. HARDWARE AND MATERIALS USED IN THE INSTALLATION CONFORM TO AC43.13-1B, CHAPTER 7, SECTIONS 1- 5 AS APPLICABLE. CIRCUIT BREAKERS, SWITCHES AND CONNECTORS ARE OF THE TYPE RECOMMENDED BY THE AIRCRAFT MANUFACTURER OR ARE MIL SPEC APPROVED FOR AIRCRAFT USE AND MEET THE REQUIREMENTS OF AC43.13-1B, CHAPTER 11, SECTION 4. ELECTRICAL/ELECTRONIC WIRING WAS SELECTED AND INSTALLED IAW AC43.13-1B, CHAPTER 11, SECTIONS 5-8, 13, 15, 17-19 AND AC43.13-2A CHAPTER 2, PARAGRAPHS 21, 22 & 27. ROUTING, LACING AND TYING COMPLIES WITH AC43.13-1B, CHAPTER 11, SECTIONS 9-12. WIRE MARKING COMPLIES WITH AC43.13-1B SECTION 16. ELECTRONIC EQUIPMENT INSTALLATION COMPLIES WITH THE AIRCRAFT AND EQUIPMENT MANUFACTURER'S INSTRUCTIONS AND AC43.13-2A, CHAPTER 2, PARAGRAPHS 21 THROUGH 26 AND CHAPTER 3, PARAGRAPH 44.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK. THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ARE CONTAINED IN MIDCOAST AVIATION REPORT NO. 03-027E009, REV IR, DATED 4/19/00, SHEETS 1 THRU 6.

THE REQUIRED F.A.A. APPROVED FLIGHT MANUAL SUPPLEMENT, MIDCOAST AVIATION REPORT NO. 03-328M002, REV A, DATED 2/22/00, SHEETS 1 THRU 11, HAS BEEN INSERTED INTO THE AIRCRAFT FLIGHT MANUAL.

END

☐ Additional Sheets Are Attached

★ U.S. G.P.O 1990-761-753

United States Of America

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

PROPRIETARY DATA
THESE TECHNICAL DATA & THE DESIGNS DISCLOSED HEREIN ARE THE EXCLUSIVE PROPERTY OF MIDCOAST AVIATION, INC. OR CONTAIN PROPRIETARY RIGHTS OF OTHERS & ARE NOT TO BE USED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF MIDCOAST AVIATION, INC., ST LOUIS, MO 63145. THIS DATA HAS BEEN RELEASED FOR USE ON AIRCRAFT MODEL G11 SC 151 AIRCRAFT REGISTRATION # D980JE

Number ST00298WI

This Certificate issued to Midcoast Aviation, Inc.
Box 10056, Lambert Airport
St. Louis, MO 63145

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 4b *of the* Civil Air *Regulations.*

Original Product - Type Certificate Number: A12EA

Make: Gulfstream Aerospace Corp.

Model: G-1159,G-1159A,G-1159B

Description of Type Design Change: Installation of an AlliedSignal, Inc., (Bendix/King) CAS 67A Traffic Alert and Collision Avoidance System (TCAS II) and MST-67A Mode S Transponder (Dual). Data Required: (1) Midcoast Aviation Inc., Certification Drawing List No. AD950003, Revision B, dated March 17, 1995, (2) Midcoast Aviation Inc., Report No. 03-328M002 FAA Approved Airplane Flight manual Supplement, dated March 22, 1995, or later FAA Approved revisions to (1) or (2).

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer.

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

Date of application: February 06, 1995
Date of issuance: March 22, 1995

Date reissued:
Date amended:

FEDERAL AVIATION ADMINISTRATION

By direction of the Administrator

James M. Peterson
(Signature)

James M. Peterson
Associate ACO Mgr., Systems & Propulsion
Wichita Aircraft Certification Office

(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 Form 8110-2(10-68)

This certificate may be transfered in accordance with FAR 21.47.

MIDCOAST

READ THIS LETTER FIRST - STC PURCHASE AGREEMENT

November 27, 2000

Jet Aviation
Darlene Snowball
[redacted]d
Palm Beach International Airport
West Palm Beach, FL 33406

RE: STC ST00298WI Data Package for a TCAS II CAS-67 w/7.0 softwre in a Gulfstream II Series Aircraft. Reference: C3177

Dear Ms. Snowball:

This letter authorizes Jet Aviation to use the enclosed drawings for the installation of a TCAS II MST-67A in a G-II aircraft, namely Serial Number 151, Registration Number N980JE. This drawing package is approved under Supplemental Type Certificate ST00298WI.

This agreement is a license agreement between Midcoast Aviation, Inc. and Jet Aviation for the one time use of the attached drawings. The design depicted in these drawings is the exclusive property of Midcoast Aviation, Inc. In acceptance of these drawings, the recipient agrees that it will not be used for the purpose of manufacture or procurement of parts or assemblies shown herein, reproduced or otherwise copied or disclosed to any other person except as authorized in writing by Midcoast Aviation, Inc.

Acceptance of this drawing package and agreement occurs when the sealed package attached to this letter is opened.

In no event will Midcoast Aviation, Inc. be liable for any damages including lost profits, cost of cover or other special incidental, consequential or indirect damages arising from the use of these drawings, however caused and or any theory or liability. This limitation of liability will apply even if Midcoast Aviation, Inc. or anyone connected with the TCAS II CAS-67 project has been advised of the possibility of such damage. You acknowledge that opening the drawing package reflects this allocation of risk.

This agreement will be governed by the laws of the State of Illinois not by the 1980 U.N. Convention on Contracts for the International Sales of Goods. This agreement is the entire agreement between us and supersedes any other communication or advertising with respect to the attached drawings. If any provision of this agreement is held invalid, the remainder of this agreement shall continue in full force and effect.

Midcoast Aviation, Inc.

Chris Carter
Engineering Director

CC/glh

DRAWING NUMBER	REV.	TITLE:
CONFIGURATION 1		
03-302W002	B	Dual Transponder Mod. (MST-67A) (WD).
03-328F002	B	TCAS/Transponders Antenna Instl. (CAS-67A)
03-328F003	B	TCAS /Transponders Equipment Instl. (CAS-67A)
03-328M002	A	TCAS Flight Manual Supplement.
03-328W003 DCN # C-1	C	TCAS (CAS-67A) (WD)
03-328T001	NC	Ground Functional Test
03-328T002	NC	Flight Functional Test
03-027E009	NC	Instructions for Continued Airworthiness
CONFIGURATION 2		
03-302W011	A	Dual Transponder Mod. (MST-67A) (WD).
03-328F002	B	TCAS/Transponders Antenna Instl. (CAS-67A)
03-328F003	B	TCAS /Transponders Equipment Instl. (CAS-67A)
03-328M002	A	TCAS Flight Manual Supplement.
03-328W009	A	TCAS (CAS-67A) (WD)
03-328F015 DCN # N/C-1	NC	TCAS/Transponder Misc. Equipment Instl.
03-328T001	NC	Ground Functional Test
03-328T002	NC	Flight Functional Test
03-027E009	NC	Instructions for Continued Airworthiness

STC # ST00298WI

F. A. A.
APPROVED
Wichita Aircraft Certification Office, ACE-115W
Central Region

Date 4-28-00

J. Hone
ACE-116W

REV.	DATE	APP.	DESCRIPTION
H	4-27-00	JB	Added DCN # 1 to drawing 03-328F015
G	04-24-00	J. B.	Revised drawings 03-302W011 and 03-328W009 to Rev. A.
F	04-05-00	J. B.	Added Instructions for Continued Airworthiness 03-027E009 and corrected drawing numbers 03-328T001 and 03-328T002.
E	3-28-00	J. B.	Add CONFIGURATION 2. Add Follow-on Functional Tests to CONFIGURATION 1.
D	1-20-00	J.B.	Added DCN # C-1 to 03-328W002. Removed A/C serial number. Update AFMS to Rev. A.
C	8/15/96	T.J.C.	Dwg. 03-328F002 was Rev.A,Dwg 03-328W002 was Rev. B.
B	3/17/95	T.J.C.	Update drawings 03-328W002, 03-328WOO2, 03-328W003 to Rev. B and change Rev. on 03-328M002toN/C.
A	3/14/95	T.J.C.	Update all drawings to Rev. A.

Release 2/23/96	THESE TECHNICAL DATA & THE DESIGNS DISCLOSED HEREIN ARE THE EXCLUSIVE PROPERTY OF MIDCOAST AVIATION, INC. OR CONTAIN PROPRIETARY RIGHTS OF OTHERS & ARE NOT TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF MIDCOAST AVIATION, ST. LOUIS, MO 63145. DATA HAS BEEN RELEASED FOR USE ON AIRCRAFT MODEL G1159 S/N 151 AND REGISTRATION # N190QS			CERTIFICATION DRAWING LIST	
Proj. ST0857WI-T				TITLE: INSTALLATION OF ALLIED SIGNAL AVIONICS CAS-67 (TCAS II) w/Dual MST-67A MODE S TRANSPONDERS.	
STC ST00298WI					
App. T.J. Cummins	A/C G1159, G1159A,G1159B	S/N	Dwg. No. AD950003	REV. H	Sheet 1 of 1

EFTA00278209

MIDCOAST AVIATION, INC., ST. LOUIS, MO REPORT 03-328M002

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR THE

GULFSTREAM AEROSPACE G-1159, G-1159A, G-1159B

REG. NO. N908JE

S/N: -151

This supplement must be attached to the FAA approved Airplane Flight Manual when the Bendix/King CAS 67A TCAS II System is installed in accordance with STC number ST00298WI. The information contained herein supplements the information of the basic Airplane Flight Manual; for limitations, procedures, and performance information not contained in this supplement, consult the basic Airplane Flight Manual.

PROPRIETARY DATA
THESE TECHNICAL DATA & THE DESIGNS DISCLOSED HEREIN ARE THE EXCLUSIVE PROPERTY OF MIDCOAST AVIATION, INC. OR CONTAIN PROPRIETARY RIGHTS OF OTHERS & ARE NOT TO BE USED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF MIDCOAST AVIATION, INC., ST. LOUIS, MO 63145. THIS DATA HAS BEEN RELEASED FOR USE ON AIRCRAFT MODEL G11 S/N 151 AND REGISTRATION # N908JE

FAA APPROVED:
For:

Everett W. Pittman, Manger
Aircraft Certification Office
Federal Aviation Administration
Wichita, Kansas

FAA APPROVED DATE: March 22,1995
FAA APPROVED DATE REV A: February 22, 2000

EFTA00278211

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 1/09/2001

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc)	NAME OF APPLICANT
Gulfstream Aerospace Corp.	G-1159B	Airplane	Jet Aviation Associates W. Palm Beach, Florida

LIST OF DATA

IDENTIFICATION	TITLE
G2B-15813-440, Initial Release, dated 12/7/2000	DUAL MODE-S TRANSPONDER SYSTEM MINOR DEV. TO S.T.C. ST00298WI (MST-67A)
G2B-15813-441, Revision A, dated 12/22/2000	TCAS II SYSTEM MINOR DEV. TO S.T.C. ST00298WI (CAS-67A)

PURPOSE OF DATA
To obtain airworthiness approval on Gulfstream Aerospace G-1159B, serial number 151, registration number N908JE using STC ST00298WI as the basis of approval.

APPLICABLE REQUIREMENTS (List specific sections)

FAR 25.869 (a)(4)	FAR 25.1316 (a)	FAR 25.1351 (a)	FAR 25.1529
FAR 25.1301 (a)(b)(c)(d)	FAR 25.1322 (d)	FAR 25.1357 (a)(c)	
FAR 25.1303 (b)(3)	FAR 25.1331 (a)(b)	FAR 25.1381 (a)(b)	
FAR 25.1309 (a)(b)(c)(g)	FAR 25.1333 (a)	FAR 25.1431 (a)(b)(c)	

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered NONE have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

☐ Recommend approval of these data

I (We) Therefore

☒ Approve these data (Systems & Equipment Aspects, Design Approval Only)

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Norman J. Curran	DERT-510087-NM	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION GPO 901-613 FILENAME: SC-N908JE-TCAS.DOC

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: Jan. 7, 2001

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Airplane	Jet Aviation Associates, LTD

LIST OF DATA

IDENTIFICATION	TITLE
G2B-15813-1441	Minor Dev. To STC ST00298WI TCAS/Transponder Equipment Instl. (CAS-67A). Sh 1-8 . Rev. IR dated 12/28/00
G2B-15813-1441-M01	Minor Dev To STC ST00298WI, TCAS/Transponder. Equipment Inst. (CAS-67A); Sh. 1-10. Rev. IR, dated 12/4/00

PURPOSE OF DATA

to approve structural aspects only of Modifications to the TCAS instl as part of a major alteration to S/N 151

APPLICABLE REQUIREMENTS (List specific sections)

FAR 25.307(a), 561(c), 609(a)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data
- ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Lauren Napier Lauren Napier	DERT-810050-NE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

GPO 801 511

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: Jan. 9, 2001

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Airplane	Jet Aviation Associates, LTD

LIST OF DATA

IDENTIFICATION	TITLE
G2B-15813-1441-M01	Minor Dev To STC ST00298WI. TCAS/Transponder. Equipment Inst. (CAS-67A): Sh. 1-11. Rev. A. dated 12/4/00

PURPOSE OF DATA
to approve structural aspects only of Modifications to the TCAS instl as part of a major alteration to S/N 151

APPLICABLE REQUIREMENTS (List specific sections)
FAR 25.307(a), 561(c), 609(a)

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered ..... have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- ☐ Recommend approval of these data
- ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Lauren Napier Lauren Napier	DERT-810050-NE	Structural

FAA Form 8110-3 (11-72) SUPERSEDES PREVIOUS EDITION

GPO 901-613

MIDCOAST

REPORT NO: 03-027E009

REPORT TITLE: Instructions for Continued Airworthiness

G1159A - S/N 324

PROJECT TITLE: Installation of TCAS with Mode S Transponders

PREPARED BY: Gerhard A. Dickman **DATE:** 04/04/00

CHECKED BY: (Avionics) Joseph C. Pruitt **DATE:** 4-6-00

CHECKED BY: (Mechanical) Christopher E. Clemmons **DATE:** 4-19-00

APPROVED BY: J. C. Cobb **DATE:** 4-19-00

REV LTR:	APPROVED:	DATE:	REVISIONS AND/OR ADDITIONS:
			PROPRIETARY DATA THESE TECHNICAL DATA & THE DESIGNS DISCLOSED HEREIN ARE THE EXCLUSIVE PROPERTY OF MIDCOAST AVIATION, INC. OR CONTAIN PROPRIETARY RIGHTS OF OTHERS & ARE NOT TO BE USED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF MIDCOAST AVIATION, INC., ST. LOUIS, MO 63145. THIS DATA HAS BEEN RELEASED FOR USE ON AIRCRAFT MODEL G11 SN 151 AND REGISTRATION # N980JE

EFTA00278219

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-FSDO-17

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N909JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency		C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**		U.S. Certified Mechanic	CRS EYKR782D AIRFRAME 1,3. RADIO 1,2,3. LIMITED A/F & ENG.
		Foreign Certified Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
4/6/01	John K. Urso, Inspector

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							Other *(Specify)*
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
4/6/01	**EYKR782D**	Ronald K. Bystrom - Mgr Quality Assurance

FAA Form 337 (12-88)

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.

Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

N909JE, GULFSTREAM G-IIB, S/N 151 W/O 16478.

REFERENCE F.A.A. FORM 337 DATED 4/8/98 (INSTALLING A DUAL UNIVERSAL AVIONICS SYSTEMS UNS-1D FLIGHT MANAGEMENT SYSTEM WITH GLOBAL POSITIONING SYSTEM UNDER F.A.A. FIELD APPROVAL)

THE INSTALLATION OF THE DUAL UNIVERSAL AVIONICS SYSTEMS UNS-1D FLIGHT MANAGEMENT SYSTEM WITH GLOBAL POSITIONING SYSTEM CONFORMS WITH JET AVIATION ASSOCIATES, LTD. STC ST02270AT, DATED1/23/2001, USING JET AVIATION MASTER DRAWING LIST DOCUMENT NUMBER MDL98001, REV A, DATED 3/11/1999.

A LOGBOOK ENTRY REFLECTING THIS INSTALLATION WAS COMPLETED PER F.A.R. 43.9 AND ENTERED INTO THE AIRCRAFT LOGBOOK.

THE EQUIPMENT LIST WAS AMENDED AND THE NEW WEIGHT AND BALANCE WAS COMPUTED AND ENTERED IN THE AIRCRAFT RECORDS IAW AC43.13-1B, CHAPTER 10, SECTION 2 AND AC 43.13-2A, CHAPTER 1 PARAGRAPH 9.

MAINTENANCE FOR CONTINUED AIRWORTHINESS REQUIREMENTS IS CONTAINED IN JET AVIATION DOCUMENT DAS98001, REV A, DATED 3/11/99

THE REQUIRED F.A.A. APPROVED FLIGHT MANUAL SUPPLEMENT, DOCUMENT NO. FMS98001, DATED 1/23/01 HAS BEEN INSERTED INTO THE AIRCRAFT FLIGHT MANUAL.

----------END----------

☐ Additional Sheets Are Attached

☆ U.S. G.P.O 1990-761-753

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number ST02270AT

This certificate issued to

Jet Aviation Associates, Inc.
[redacted]ad
Palm Beach International Airport
West Palm Beach, FL 33406

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 *of the* Federal Aviation *Regulations.*

Original Product--Type Certificate Number: A12EA

Make: Gulfstream

Model:
G1159 (GII)
G1159B (GIIB)
G1159A (GIII)

Description of Type Design Change:
Installation of a dual Universal Avionics Systems UNS-1D Flight Management System with Global Positioning System in accordance with Jet Aviation Associates' Master Drawing List, MDL98001, Rev A, dated March 11, 1999, or later FAA approved revisions.

Limitations and Conditions: This installation must be accompanied by Jet Aviation Associates' Airplane Flight Manual Supplement, FMS98001, dated January 23, 2001, or later FAA approved revisions. Compatibility of this design change with previously approved modifications must be determined by the installer. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application: July 27, 1998

Date of issuance: January 23, 2001

Date reissued:

Date amended:

By direction of the Administrator

for [signature]
(*Signature*)

Eugene L. Bollin
Associate Manager, ACE-116A
Atlanta Aircraft Certification Office

(*Title*)

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

This certificate may be transferred in accordance with FAR 21.47.

EFTA00278223

MASTER DRAWING LIST

FOR THE UNIVERSAL AVIONICS SYSTEMS

FMS SYSTEM

IN THE GULFSTREAM

MODEL: G-II, G-IIB AND G-III AIRCRAFT

JET AVIATION 1515 PERIMETER ROAD PALM BEACH INTERNATIONAL AIRPORT WEST PALM BEACH, FL 33406 USA
PHONE: (561) 233-7242 • FAX: (561) 686-7553 • MAINTENANCE DEPT. FAX: (561) 233-7279 www.jetaviation.com

EFTA00278225

JET AVIATION

DESCRIPTION AND SUBSTANTIATION

FOR THE

UNIVERSAL AVIONICS CORP.

DUAL UNS-1D FLIGHT MANAGEMENT SYSTEMS

IN THE

GULFSTREAM

MODEL G-II, G-IIB AND G-III AIRCRAFT

JET AVIATION [redacted] PALM BEACH INTERNATIONAL AIRPORT WEST PALM BEACH, FL 33406 USA
PHONE: (561) 233-7242 • FAX: (561) 686-7553 • MAINTENANCE DEPT. FAX: (561) 233-7279 www.jetaviation.com

EFTA00278227

JET AVIATION

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR

GULFSTREAM G-II, G-IIB AND G-III AIRCRAFT

REGISTRATION NO. N909JE, SERIAL NO. 151

WITH

DUAL UNIVERSAL AVIONICS FLIGHT MANAGEMENT SYSTEMS (UNS-1D) INSTALLED

This supplement must be attached to the FAA Approved Airplane Flight Manual when the airplane is modified by the installation of dual Universal Avionics System Corp. (USAC) UNS-1D Flight Management Systems (FMS) in accordance with STC ST02270AT.

The information contained herein supplements, or supersedes, the FAA Approved Flight Manual only in those areas listed herein. For limitations, procedures and performance information not contained in this supplement consult the basic FAA Approved Airplane Flight Manual.

FAA Approved: Robert R. Hoodall

for Eugene L. Bollin, Manager ACE-116A
One Crown Center
1895 Phoenix Boulevard
Suite 450
Atlanta, GA

DATE: JAN 23 2001

EFTA00278229

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N909JE	GULFSTREAM G1159B	151	TRANSPORT

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provide by Annex 8 to the Convention of International Civil Aviation, except as noted herein.

Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R- July 6 1989	John A. Diaz JOHN A. DIAZ	ASO-FSDO-17

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82) AFS Electronic Forms System - JetForm FormFlow - 12/1998

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N908JE	GULFSTREAM G1159B	151	TRANSPORT

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-07-06-89	HARRY O. JACOBITZ	AEA-FSDO-25

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO 1967—O-270 931

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
80-17

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC.	Address *(As shown on registration certificate)*: [redacted]

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
JET AVIATION ASSOCIATES LTD. [redacted] **WEST PALM BEACH. FL. 33406**	U.S. Certified Mechanic	CRS EYKR782D
	Foreign Certified Mechanic	
	X Certificated Repair Station	
	Manufacturer	

D. 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	Signature of Authorized Individual
6/28/00	RONALD K BYSTROM MGR QUALITY CONTROL

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 X APPROVED ☐ REJECTED

BY						Other *(Specify)*
	FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
6/28/00	**EYKR782D**	RONALD K BYSTROM, MGR QUALITY CONTROL

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished
(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work accomplished.)

G-IIB S/N 151, REG N908JE, W/O # 15278, ACFT TT8831.9 LANDINGS 4792

THE FOLLOWING WORK WAS ACCOMPLISHED UNDER THE ABOVE WORK ORDER NO. 15278.

THE AIRCELL PHONE HANDSET INSTALLED IN THE CONFERENCE TABLE AT F.S STA. 305.25 BY F.A.A FORM 337 DATED 4/21/00 WAS RELOCATED TO THE LEFT DRINKLEDGE AT F.S STATION 305.25. THE EXISTING WIRING WAS ROUTED IN ACCORDANCE WITH JET AVIATION MODIFICATION DRAWING ACS20001-1. THE INSTALLATION OF THE AIRCELL HANDSET WAS ACCOMPLISHED IN ACCORDANCE WITH THE FOLLOWING JET AVIATION DRAWING WHICH IS SUBSTANTIATED BY F.A.A FORM 8110-3.

STRUCTURAL DRAWING
- HBPA00008 REV "IR" DATED 6/27/00 SHEETS 1 OF 1 TITLED AIRCELL HANDSET RELOCATION REF F.A.A FORM 8110-3 DATED 6/27/2000 BY STRUCTURES DER DERT-510159-CE.

A OPERATIONAL CHECK OF THE AIRCELL PHONE SYSTEM WAS ACCOMPLISHED IN ACCORDANCE WITH THE AIRCELL INSTALLATION MANUAL AGT.O1

A LOG BOOK ENTRY HAS BEEN MADE REFLECTING THIS MODIFICATION

THE AIRCRAFT EQUIPMENT LIST WAS AMENDED AND THERE WAS NO APPRECIABLE CHANGE IN THE WEIGHT AND BALANCE.

THIS MODIFICATION DOES NOT CHANGE THE MANUFACTURER'S CONTINUING AIRWORTHINESS INSPECTION REQUIREMENTS.

END

☐ Additional Sheets Are Attached

☆ U.S. G.P.O 1990-761-753

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS	DATE June 27, 2000

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Gulfstream	G1159B	Aircraft	Jet Aviation

LIST OF DATA

IDENTIFICATION	TITLE
HPA00008	Aircell Handset Relocation, Sht 1, Rev IR Note: 1. This approval is for structural aspects only. 2. After the alteration, the aircraft must be returned to service by FAA authorized personnel. 3. This approval is based on drawing review and comparison to similar installations.

PURPOSE OF DATA

To approve structural aspects of an alteration to G1159B S/N 151

APPLICABLE REQUIREMENTS *(List specific sections)*

FAR 25.307 25.561(c) 25.601 25.603 25.605 25.609 25.789

under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 0 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore

- ☐ Recommend approval of these data.
- ☑ Approve these data.

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David E. Haralson David E. Haralson	DERT-510159-CE	Structural

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

ER01122.doc

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-FSDO-17 RM

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 form 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC	Address *(As shown on registration certificate)*: 1013 CENTRE ROAD SUITE 300 WILMINGTON, DE 19805

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7.

SO-FSDO-17
4/8/98
Randy B. Moran

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	B. Kind of Agency		C. Certificate No.
JET AVIATION ASSOCIATES, LTD. PALM BEACH INTL AIRPORT [redacted] WEST PALM BEACH, FL 33406		U.S. Certificated Mechanic	CRS EYKR782D
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
03/19/98	Henry L. Sheppard, Av. Mngr.

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 [X] APPROVED [ ] REJECTED

BY							Other (Specify)
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	
		FAA Designee	X	Repair Station		Person Approved by Transport Canadian Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
04/08/98	CRS EYKR782D	Henry L. Sheppard, Av. Mngr.

FAA Form 337 (12-88)

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.

8. Description of Work Accomplished

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

Aircraft: Gulfstream, Type: G-1159, S/N 151, Date: 03/19/98, W.O. 12307 Page 1 of 2 –

Removed the existing Universal Avionics model UNS-1A FMS systems and Canadian Marconi VLF/Omega sensor, and installed new Universal Avionics UNS-D FMS systems. The existing Universal Radio Tuning Unit, Database Transfer Unit and the Universal Loran C sensor were retained. This installation was accomplished using Jet Aviation drawings, FMS98001, FMS98002 and IPB98001, Rev. IR, dated 01/20/98 are substantiated by FAA Forms 8110-3, dated 03/11/98 submitted by FAA D.E.R. Mr. Norman J. Curran, FAA D.E.R. No. SO-780.

The structural installation of the GPS antennas was accomplished using Jet Aviation Drawing HPA98001, Rev. A, dated 03/02/98 and is structurally substantiated by FAA Form 8110-3, dated 03/12/98 submitted by Lauren Napier, D.E.R. No. SO-815. The CDU's replaced the removed units at the same station using the existing DZUZ rails installed by the airframe manufacture. The Navigation Computer Units replaced the existing UNS-1A NCU's using the same mounting technique and hardware.

The required annunciators were furnished and installed. The following annunciators were installed:

MSG (message) annunciator, color amber
WPT (wayoint) annuciator, color amber
APPR (approach), color white
SX (parallel track), color amber
HDG (heading), color blue
INTEG (integrity) color amber

The above annunciators were installed in each instrument panel for their associated system.

The existing No. 4 airdata computer was interfaced to provide the required airspeed input and baro-corrected altitude. The existing Honeywell Laser-ref INS system was interfaced as a blended sensor as well as the existing Loran C sensor. The No. 1 compass system is interfaced to the No. 1 FMS and the No. 2 compass system is interfaced to the No. 2 FMS.

This system, the Universal Avionics UNS-1D FMS system has been previously installed and has obtained a STC approval in another type of aircraft, which qualifies this installation as a follow on installation per AC 20-130A and is qualified for FAA Form 337 Field Approval.

The Static Loading of the installed equipment meets the requirements of AC 43.13-2A, Chapter 1, Paragraph 3 and was found to meet the requirements of Paragraph 2. Materials and practices comply with Paragraphs 4 through 12. The Electrical Load Analysis was performed in accordance with 43.13-1A, Chapter 11, Section 2, Paragraph 424 and was found to meet the requirements of paragraph 424, 426 and 428.

Aircraft Metal Work involving metal repair or alteration complies with AC 43.13-1A, Chapter 2, Section 1 and 3, Chapter 6, Paragraphs 248 and 249. Hardware and materials used the installation conform to AC 43.13-1A, Chapter 5 and 7, Sections 1, 4 and 5 as applicable. Circuit Breakers, switches and connectors are of the type recommended by the aircraft manufacture or are MIL SPEC approved for aircraft use and meet the requirements of AC 43.13-1A, Chapter 11, Paragraphs 429 and 430. Electrical/electronic wiring was selected and installed IAW AC 43.13-1A, Chapter 11 and AC 43.13-2A Chapter 2, Paragraph 21, 22 & 27. Routing, lacing and tying complies with AC 43.13-1A, Chapter 11, Section 7. Wire marking complies with Section 4. Electronic equipment installation complies with

☒ Additional Sheets Are Attached

U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

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.

8. Description of Work Accomplished

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

Aircraft: Gulfstream, Type: G-1159, S/N 151, Date: 03/19/98, W.O. 12307 Page 2 of 2

the aircraft and equipment manufacture's instructions and AC 43.13-2A, Chapter 2, Paragraphs 21 through 26 and Chapter 3, Paragraph 44.
The aircraft static wicks and control surface bonding was tested per the manufacture's maintenance manual and no discrepancies were noted.

The UNS-1D FMS systems were functionally tested and no discrepancies were noted. The UNS-1D FMS systems do not interfere with any other installed system and all of the existing systems do not interfere with the UNS-1D FMS systems.

Magnetic direction indicators were checked for accuracy and compensated as necessary per AC 43.13-1A, Chapter 16, Section 5, Paragraphs 927, 928 and 929 and AC 43.13-2A Chapter 2, Paragraph 23f.

The Equipment List was amended and the new Weight and Balance was computed and entered in the aircraft records IAW AC 43.13-1A, Chapter 13, Paragraphs 659 and AC 43.13-2A, Chapter 1 Paragraph 9.

The UNS-1D systems have been show to meet the requirements of VFR/IFR flight en route, RNAV, terminal, over water, in remote areas and for approach modes per AC 20-130A according to the limitations indicated in the aircraft flight manual supplement.

The FAA Approved Flight Manual Supplement dated 4/8/98 **must be installed in the aircraft flight manual with this installation.**

END

☐ **Additional Sheets Are Attached**

U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-FSDO-17

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 form 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: GULFSTREAM AEROSPACE	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR INC	Address *(As shown on registration certificate)*: 1013 CENTRE ROAD SUITE 300 WILMINGTON, DE 19805

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7.

~~4/8/98~~ 3/19/98
SO-FSDO-17
Randy B. Mora

4. Unit Identification / 5. Type

Unit	Make	Model	Serial No.	5. Repair	5. Alteration
AIRFRAME	~~~~~~~~~~~~~~~~ *(As described in item 1 above)* ~~~~~~~~~~~~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type:				
	Manufacturer:				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
JET AVIATION ASSOCIATES, LTD. PALM BEACH INTL AIRPORT [redacted] WEST PALM BEACH, FL 33406		U.S. Certificated Mechanic	CRS EYKR782D
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
03-19-1998	Henry L. Sheppard, Av. Mngr.

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 [X] APPROVED [ ] REJECTED

BY							Other (Specify)
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	
		FAA Designee	X	Repair Station		Person Approved by Transport Canadian Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
03/19/98	CRS EYKR782D	Henry L. Sheppard, Av. Mngr.

FAA Form 337 (12-88)

EFTA00278243

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.

8. Description of Work Accomplished

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

Aircraft: Gulfstream, Type: G-1159, S/N 151, Date: 03/19/98, W.O. 12307 Page 1 of 1

Removed the existing Universal Avionics model UNS-1A FMS systems and Canadian Marconi VLF/Omega sensor, and installed new Universal Avionics UNS-D FMS systems. The existing Universal Radio Tuning Unit, Database Transfer Unit and the Universal Loran C sensor were retained. This installation was accomplished using Jet Aviation drawings, FMS98001, FMS98002 and IPB98001, Rev. IR, dated 01/20/98 are substantiated by FAA Forms 8110-3, dated 03/11/98 submitted by FAA D.E.R. Mr. Norman J. Curran, FAA D.E.R. No. SO-780.

The structural installation of the GPS antennas was accomplished using Jet Aviation Drawing HPA98001, Rev. A, dated 03/02/98 and is structurally substantiated by FAA Form 8110-3, dated 03/12/98 submitted by Lauren Napier, D.E.R. No. SO-815. The CDU's replaced the removed units at the same station using the existing DZUZ rails installed by the airframe manufacture. The Navigation Computer Units replaced the existing UNS-1A NCU's using the same mounting technique and hardware.

The UNS-1D circuit breakers were pulled and collared pending FAA Form 337 Field Approval of this installation. The CDU's are placarded "INOP". These systems are installed for provisions only.

The Static Loading of the installed equipment meets the requirements of AC 43.13-2A, Chapter 1, Paragraph 3 and was found to meet the requirements of Paragraph 2. Materials and practices comply with Paragraphs 4 through 12. The Electrical Load Analysis was performed in accordance with 43.13-1A, Chapter 11, Section 2, Paragraph 424 and was found to meet the requirements of paragraph 424, 426 and 428.

Aircraft Metal Work involving metal repair or alteration complies with AC 43.13-1A, Chapter 2, Section 1 and 3, Chapter 6, Paragraphs 248 and 249. Hardware and materials used the installation conform to AC 43.13-1A, Chapter 5 and 7, Sections 1, 4 and 5 as applicable. Circuit Breakers, switches and connectors are of the type recommended by the aircraft manufacture or are MIL SPEC approved for aircraft use and meet the requirements of AC 43.13-1A, Chapter 11, Paragraphs 429 and 430. Electrical/electronic wiring was selected and installed IAW AC 43.13-1A, Chapter 11 and AC 43.13-2A Chapter 2, Paragraph 21, 22 & 27. Routing, lacing and tying complies with AC 43.13-1A, Chapter 11, Section 7. Wire marking complies with Section 4. Electronic equipment installation complies with the aircraft and equipment manufacture's instructions and AC 43.13-2A, Chapter 2, Paragraphs 21 through 26 and Chapter 3, Paragraph 44.

Magnetic direction indicators were checked for accuracy and compensated as necessary per AC 43.13-1A, Chapter 16, Section 5, Paragraphs 927, 928 and 929 and AC 43.13-2A Chapter 2, Paragraph 23f.

The Equipment List was amended and the new Weight and Balance was computed and entered in the aircraft records IAW AC 43.13-1A, Chapter 13, Paragraphs 659 and AC 43.13-2A, Chapter 1 Paragraph 9.

END

☐ Additional Sheets Are Attached

U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

FAA A/F

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
GEORGIA FSDO 11
9-0-11

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: GULFSTREAM	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N979RA
2. Owner	Name *(As shown on registration certificate)*: GULFSTREAM AEROSPACE CORPORATION	Address *(As shown on registration certificate)*: P. O. BOX 2206 SAVANNAH, GA 31402-2206

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*(As described in Item 1 above)*				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type: ELEVATOR Manufacturer: GULFSTREAM	1159CS20002-1 1159CS20002-2	151-5 L/H 151-5 R/H	X	

RECEIVED
SEP 13 1993
GEORGIA FSDO

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
GULFSTREAM AEROSPACE CORPORATION P.O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA 31402-2206	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	GR4R216M

D. 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	Signature of Authorized Individual
08/31/93	JIMMIE K. SMITH Jimmie K. Smith

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 [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
08/31/93	GR4R216M	JEFFREY C. NEVILLE

FAA Form 337 (12 88)

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.

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

AIRCRAFT MODEL: G1159B
AIRCRAFT SERIAL NO: 151
AIRCRAFT TAIL NO: N979RA

AIRCRAFT TIME SINCE NEW: 7173
AIRCRAFT CYCLES SINCE NEW: 3959

REFERENCE: GULFSTREAM AEROSPACE CORPORATION WORK ORDER NO. C02B-151-093-6035.

1. INCORPORATED GULFSTREAM AEROSPACE CORPORATION CUSTOMER BULLETINS CHANGES LISTED:

CB NO.	SUBJECT
357	CABIN FLOOR STRUCTURE AND INTERNAL INSTALLATION STRESS ANALYSES
374	INSPECTION & REINSTALLATION OF NONPRODUCTION BLADE ANTENNAS MOUNTED TO FUSELAGE STRUCTURE

2. COMPLIED WITH ELEVATOR BALLAST WEIGHT INSPECTION I/A/W GAC DWG NO. 1159SB30189 REV. D.

3. COMPLIED WITH BEAM STRENGTHENING AT F.S. 345.88 TO F.S. 379.00, BL 18.50 AND BL 30.50 L/H & R/H I/A/W GAC DWG NO SE25105105. THIS REWORK COMPLIES WITH CUSTOMER BULLETIN 357. REFERENCE REPORT NO. 1159SER93-177 FOR DETAILS OF THE ABOVE REWORK.

4. MANUFACTURED AND INSTALLED A DOUBLER P/N SE25202111-11 AT F.S. 630 BETWEEN STRINGER 23 AND 24 R/H I/A/W GAC DWG NO. SE25202111. THIS REWORK COMPLIES WITH CUSTOMER BULLETIN 374.

-END-

☐ Additional Sheets Are Attached

☆U.S. GOVERNMENT PRINTING OFFICE: 1992–769–012/60157

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-13-94

Work Order #: 42748

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only
Office Identification GL07

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: Gulfstream	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N908JE
2. Owner	Name *(As shown on registration certificate)*: HYPERION AIR, INC.	Address *(As shown on registration certificate)*: 1013 Centre Road, Suite 300 Wilmington DE 19805

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
Electrosonics Division AiRadio Corporation Port Columbus International Airport Columbus, Ohio 43219	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	Repair Station AE1R005K Radio Class 1, 2, & 3 Limited Instruments Limited Specialized Services

D. 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	Signature of Authorized Individual
AUG 07 1994	

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 [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA Flt. Standards Inspector		[ ] Manufacturer		Inspection Authorization	Other *(Specify)*
	[ ] FAA Designee	[X]	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
SEP 19 1994	AE1R005K	Mark D. Haycock

FAA Form 337 (12-88)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-13-94

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.

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

The following equipment was installed in the aircraft:

PART NO.	PART NAME	STATION	INSTALL MANUAL NO.
XESCI	1 ea. Sony Compact Disc Changer	321.50	E/S Drawing ES1159-151-00
XESP1	1 ea. Sony Digital Preamp	355.50	"
XESX1	1 ea. Sony Digital Crossover	355.50	"
XESM1	3 ea. Sony Amplifier	385.50	"
XESM3	1 ea. Sony Amplifier	385.50	"
XM2022	2 ea. Sony Amplifier	385.50	"
XEST1	1 ea. Sony Tuner	385.50	"
QM25HC	2 ea. Sony Speaker (Tweeter)	193.00	"
QM25HC	2 ea. Sony Speaker (Tweeter)	442.00	"
QM100MC	2 ea. Sony Speaker (Midrange)	193.00	"
QM100MC	2 ea. Sony Speaker (Midrange)	442.00	"
A404	2 ea. Precision Power Amplifier	383.50	"
S10A	1 ea. Stillwater Designs Subwoofer	193.00	"
S10A	1 ea. Stillwater Designs Subwoofer	442.00	"
QM160TX	2 ea. MS Quart Speaker	193.00	"
QM160TX	2 ea. MS Quart Speaker	442.00	"
RG-40	4 ea. KGS DC-to-DC Converter	580.00	"
MSM-283-500	1 ea. Audio International Temp Control	275.00	"
VB/VDA	1 ea. Video Accessory Video Amplifier	193.00	"

2. The above work was accomplished I.A.W. A.C. 43.13-1A, Chapter 11 and A.C. 43.13-2A, Chapters 1, 2, and 3.

3. Electrical load check I.A.W. A.C. 43.13-2A, Chapter 2, Paragraph 27 and found to be within limits.

4. This work has been accomplished under E/S Work Order #42748.

5. The Cabin Entertainment System has been installed I.A.W. FAA Advisory Circular A.C. 25.10 and ElectroSonics Drawing #ES1159-151-00 dated April 25, 1994.

6. The aircraft has been weighted by Gulfstream concurrent with this installation.

7. Aircraft must be loaded I.A.W. the prescribed loading information from the manufacturer.

---------- END ----------

RECEIVED
OCT - 5 1994
FSDO

☐ Additional Sheets Are Attached

☆U.S.G.P.O. 1990-761-753

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94

FAA AF

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification DGSB
FSDO-11 Atl Ga.

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: GULFSTREAM	Model: G1159B
	Serial No.: 151	Nationality and Registration Mark: U.S.A. N908JE
2. Owner	Name (As shown on registration certificate): HYPERION AIR INC	Address (As shown on registration certificate): 1813 CENTRE ROAD SUITE 300 WILMINGTON, DE 19805

3. For FAA Use Only

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:				

RECEIVED
AUG 18 1994
GEORGIA FSDO
ATLANTA

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
GULFSTREAM AEROSPACE CORPORATION P.O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA 31402-2206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	GR4R216M

D. 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	Signature of Authorized Individual
08/05/94	JAMES M. GRANT

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
08/05/94	GR4R216M	JIMME K. SMITH Jimmie K. Smith

FAA Form 337 (12-88)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94

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.

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

AIRCRAFT MODEL: G1159B
AIRCRAFT SERIAL NO: 151
AIRCRAFT TAIL NO: N908JE

AIRCRAFT TIME SINCE NEW: 7224
AIRCRAFT CYCLES SINCE NEW: 3992

REFERENCE: GULFSTREAM AEROSPACE CORPORATION WORK ORDER NO. C02B-151-094-6731.

1. INTERIOR FURNISHINGS WERE REFURBISHED AS STATED BELOW. ALL MATERIAL MEETS AND EXCEEDS F.A.R. 25.853 (06/20/68), APPENDIX F (10/24/67) FLAME RESISTANT STANDARDS. COPIES OF LABORATORY REQUESTS AND BURN REPORTS ARE ON FILE UNDER THE ABOVE WORK ORDER AT THIS REPAIR STATION.

DRAWING NO.	REVISION	SUBJECT
SC21 491001	N/C	MAIN POWER DISTRIBUTION
SC21 551001	N/C	ELECTRIC SEATS (ERDA)
SC21 581005	N/C	CABIN INDIRECT LIGHTS
SC22 208006	N/C	CABIN SEATING INSTL.
SC22 800002	N/C	1/10 FLOORPLAN
SC22 236003	N/C	MID CABIN STORAGE CABI-NET
SC24 501001	N/C	ES SYSTEM INSTL.

LAB REPORT NO.	MATERIAL USAGE	MATERIAL
BR8055	PSU & HEADLINERS	NOMEX, FOAM, FABRIC
BR8098	FWD CABIN BULKHEADS	FABRIC, METAL, FOAM
BR8099	DADO PANELS	FIBERGLASS, FABRIC, FOAM
BR8100	DIVAN, AFT SINGLE SEATS	FABRIC, FOAM
BR8101	FLOOR CARPET	CARPET, WOOL
BR8102	CHAIR BASE, AIR DUCT	CARPET, METAL
BR8103	WINDOW PANEL, CLAM SHELL	FIBERGLASS, FABRIC
BR8189	INSULATION BLANKET	NOMEX, ISO DAMP, GLUE
BR8190	CARPET PADDING	NOMEX
BR8209	CHAIR SHROUDS	LEATHER, METAL, GLUE
BR8258	TABLES, RADIO RACK COVER, CABNT	VENEER, FINISH, HONEY-COMB
BR8259	DIVAN CABINET, R/R	LAMINATE, HONEYCOMB PANEL
BR8260	CABINET, GALLEY C/O	LAMINATE, HONEYCOMB PANEL
BR8261	LEDGES, CABINET TOPS	VENEER, GILFAB, FINISH
BR8262	BULKHEAD DECORATIVES	A-LOOK MIRROR
BR8262	DIVAN CABINET, CREDENZA	AL HONEYCOMB, LAMINATE
BR8282	TOILET SEAT / SHROUD	LEATHER, NOMEX, FOAM
BR8283	CABIN SEATS	LEATHER, FOAM
BR8284	HORSE COLLAR	LEATHER, METAL, FOAM

2. AIRCRAFT ELECTRONICALLY WEIGHED. WEIGHT AND BALANCE DATA REVISED AND INSERTED INTO THE AIRCRAFT WEIGHT AND BALANCE MANUAL.

-END-

☐ Additional Sheets Are Attached

☆U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N908JB	GULFSTREAM G1159B	151	TRANSPORT

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and for the purpose shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43 and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
R-07-06-89	HARRY O. [illegible]	AEA-FSDO-25

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO : 1967—O-270 931

EFTA00278251

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94



FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N979GA	GULFSTREAM G1159B	151	TRANSPORT

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
REPLACEMENT 07/06/89	RALPH FULLER	CE52

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS

FAA Form 8100-2 (8-82) * U.S. GPO: 1989—662-877

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 10-28-94



FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-20-93

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N979GA	GULFSTREAM G1159B	151	TRANSPORT

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
REPLACEMENT 07/06/89	RALPH FULLER	CE52

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS

FAA Form 8100-2 (8-82) COPY ★ U.S. GPO: 1989—662-877

EFTA00278255

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-20-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-20-93

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N-979RA	GULFSTREAM G-1159B	151	TRANSPORT

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation except as noted herein.

Exceptions:

NONE

SUPERSEDED

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
7-6-89	BRUCE G. MUELLER Bruce G. Mueller	STL-FSDO

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82) GPO 892-804

FAA AIRCRAFT REGISTRY
CAMERA NO: [redacted] DATE: 12-20-93

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-4-92

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification BGAM STL-FSDO CE03

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: Gulfstream Aerospace Corporation
- Model: G-1159B
- Serial No.: 151
- Nationality and Registration Mark: N979RA

2. Owner
- Name (As shown on registration certificate): Ogden Management Services, Inc.
- Address (As shown on registration certificate): Westchester County Airport, Hgr D3, White Plains, New York 10604

3. For FAA Use Only

4. Unit Identification / **5. Type**

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

RECEIVED APR 13 1992 STL FSDO

6. Conformity Statement

A. Agency's Name and Address: Midcoast Aviation, Inc., # 8 Archivew Drive, Cahokia, IL 62206

B. Kind of Agency: [ ] U.S. Certificated Mechanic; [ ] Foreign Certificated Mechanyc; [X] Certificated Repair Station; [ ] Manufacturer

C. Certificate No.: R03R822L

D. 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: April 1, 1992

Signature of Authorized Individual: Joseph L. Allen

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 [X] APPROVED [ ] REJECTED

BY
- [ ] FAA Flt. Standards Inspector
- [ ] Manufacturer
- [ ] Inspection Authorization
- Other (Specify)
- [ ] FAA Designee
- [X] Repair Station
- [ ] Person Approved by Transport Canada Airworthiness Group

Date of Approval or Rejection: 4-1-92

Certificate or Designation No.: R03R822L

Signature of Authorized Individual: Jimmie A. McCrary

FAA Form 337 (12-88)

EFTA00278259

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-4-92

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.

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

1.) Removed left elevator P/N 1159CS20002-1 S/N 151 and right elevator P/N 1159CS20002-2 S/N 151, conducted inspection for corrosion on balance beams, no corrosion found. Performed steps 1, 2, and 3 of Gulfstream Drawing No. 1159SB30189 Revision "C" date 2-4-92 "Corrosion Repair - Ballast Instl., Cont. Surf., Elevator". Balance checked both elevators, found to be within limits per Maintenance Manual chapter 27. Reinstalled elevator same part number and serial number, op's checked ok.

2.) An appropriate entry was made in the aircraft records.

----------END----------

☐ Additional Sheets Are Attached

*U.S.GPO:1990-0-568-012/40004

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 11-4-91

OKC

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-FSDO

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: Gulfstream Aerospace Corporation	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name *(As shown on registration certificate)*: Ogden Management Services, Inc.	Address *(As shown on registration certificate)*: Westchester County Airport, Hgr D3 White Plains, NY 10604

3. For FAA Use Only

"The alteration identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7."

STL-FSDO — District Office
10-3-91 — Date
Bill Bunch — 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	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	Airframe Class 3, Limited R03R822L

D. 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	Signature of Authorized Individual
September 13, 1991	Barry D. Griffin

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
10-3-91	R03R822L	

FAA Form 337 (12-88)

EFTA00278261

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 11-4-91

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.

8. **Description of Work Accomplished**
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1.0 Updated the existing Collins AVR-101 Cockpit Voice Recorder System which was previously approved on FAA Form 337 dated March 14, 1975 and STC # SA999SW, in accordance with Midcoast Aviation, Inc. wiring diagram no. 02-344W011 Rev A. "CVR Mod (WD)", and the manufacturer's AVR-101 Airborne Voice Recorder System Maintenance Manual # 523-0757366-201114 2nd Revision 15 Feb. 1968 and Baker Electronics Manual # 23-50-08 Rev. 1 Installation and Operating Instructions. The update complies with FAR 25.1457.

1.1 A satisfactory preflight functional check was conducted per Midcoast Aviation, Inc. report no. AB910001. A satisfactory ground and flight test was conducted per FAA CVR Ground and Flight Test Procedure and the recording was down - loaded on two (2) cassette tapes. All channels operated normal. The tapes are on file at this facility.

1.2 The operator was supplied with "Pilots Operation Instructions" for Collins AVR-101 Cockpit Voice Recorder", report no. AB910001. This report must be aboard the aircraft during all flight operations.

1.3 The above mentioned installation drawings were D.E.R. approved on FAA Form 8110-3 dated 9-13-91, Midcoast File No. MC910261.

1.4 Inspection requirements per Collins AVR-101 Airborne Voice Recorder System Maintenance Manual # 523-0757366-201114 15 Feb. 1968 2nd Revision.

A. Perform the "Preflight Functional Test" and the "Additional System Test" every 30 calendar days as prescribed in the manual.

B. The Underwater Locator Beacon Battery is to be replaced every 6 years from the date of fabrication.

2.0 An appropriate entry was made in the aircraft records.

END

☐ Additional Sheets Are Attached

★U.S.GPO:1990-0-558-012/40004

FAA AIRCRAFT REGISTRY
CAMERA NO. /N/ DATE: 3-7-91

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-ESDO

VB

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (As shown on registration certificate): Ogden Management Services, Inc.	Address (As shown on registration certificate): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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: January 24, 1991

Signature of Authorized Individual: [signature]

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1-24-91	CRS R03R822L	[signature]

FAA Form 337 (4-87)

EFTA00278263

FAA AIRCRAFT REGISTRY
CAMERA NO. /N DATE: 3-9--91

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.

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

1.0 Updated the existing Collins AVR-101 Cockpit Voice Recorder System which was previously approved on FAA Form 337 dated March 14, 1975 and STC # SA999SE, in accordance with Midcoast Aviation, Inc. wiring diagram no. 13-344W011 "CVR Mod (WD)", and the manufacturer's AVR-101 Airborne Voice Recorder System Maintenance Manual # 523-0757366-201114 2nd Revision 15 Feb. 1968 and Baker Electronics Manual # 23-30-09 Rev. 1 Installation and Operating Instructions. The update complies with FAR 25.1457.

1.1 Pending a satisfactory preflight functional check per Midcoast Aviation, Inc. report no. AB910001. Pending a satisfactory ground and flight test per FAA CVR Ground and Flight Test Procedure. The system has been deactivated by tie-wrapping at the circuit breaker.

1.2 The operator was supplied with "Pilots Operation Instructions for Collins AVR-101 Cockpit Voice Recorder", report no. AB910001. This report must be aboard the aircraft during all flight operations.

1.3 The above mentioned installation drawings were D.E.R. approved on FAA Form 8110-3 dated 1-22-91, Midcoast File No. MC910020.

1.4 Inspection requirements per Collins AVR-101 Airborne Voice Recorder System Maintenance Manual # 523-0757366-201114 15 Feb. 1968 2nd Revision.

A. Perform the "Preflight Functional Test" and the "Additional System Test" every 30 calendar days as prescribed in the manual.

1.5 The weight and balance was revised, and an appropriate entry was made in the aircraft records.

END

RECEIVED
JUN 29 1991
STL FSDO

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 3-9-91

43B

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-ESDO

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	Model
Gulfstream Aerospace	G-1159B
Serial No.	**Nationality and Registration Mark**
151	N979RA

2. Owner

Name (As shown on registration certificate)	Address (As shown on registration certificate)
Ogden Management Services, Inc.	Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
January 24, 1991	Eugene J Flueg

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1-24-91	CRS R03R822L	James G. McCrary

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 1/1 DATE: 3-9-91

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.

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

1.0 Installed a Sensor System Inc. VHF TV Antenna P/N S65-8282-21 Wt. 2.3 Lbs TSO No. C37b and C38b in accordance with Midcoast Aviation, Inc. structural drawing no. 02-139F005 "T.V. Antenna Instl.".

2.0 The data for the above installation was D.E.R. approved on FAA Form 8810-3 dated 1-24-91 Midcoast Aviation File No. MC910026.

3.0 Weight and balance was revised, and an appropriate entry was made in the aircraft records.

END

RETD JAN 29 ST

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA READY DATE: 2-9-91

BM

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification BOM CE-03

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	Model
Gulfstream Aerospace	G-1159B
Serial No. 151	**Nationality and Registration Mark** N979RA

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
Ogden Management Services, Inc.	Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
January 24, 1991	Carl E. Jones

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 [X] APPROVED [ ] REJECTED

BY

[ ] FAA Flt. Standards Inspector	[ ] Manufacturer	[ ] Inspection Authorization	Other *(Specify)*
[ ] FAA Designee	[X] Repair Station	[ ] Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1-24-91	CRS R03R822L	Carl E. Jones

FAA Form 337 (4-87)

EFTA00278267

FAA AIRCRAFT REGISTRY
CAMERA NO. /N DATE: 3-9--91

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.

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

1.) Complied with Vertical Stabilizer Corrosion Inspection per Gulfstream Special Inspection Procedure No. GSIP-RS-1159-0001 and applicable drawing and specifications as listed:

1159CS 20000 Tail Erection

1159CS 20050 Front Beam Installation - Vertical Fin

1159CS 20051 Mid Beam Installation - Vertical Fin

1159CS 20052 Aft Beam Installation - Vertical Fin

1159CS 20074 Shear Deck

1159CS 20153 Skin Installation - Vertical Fin

1159CS 20154 Skin Installation - Vertical Fin

G-II Maintenance Manual - Flight Control Rigging Procedures

MIL-C-8837

P-77018 Assembly - Fin Hoist Equipment

SE 25400901 Standard Repair - Vertical Fin to Fuselage Attach Fitting

END

FAA
JAN 29 1991
STL FSDO

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

AW GAV
GAA

US Department of Transportation
Federal Aviation Administration

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

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

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name *(As shown on registration certificate)*: Ogden Management Services, Inc.	Address *(As shown on registration certificate)*: Westchester County Airport, Hgr D-3 White Plains, New York 10604

3. For FAA Use Only

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				

RECEIVED
JAN 19 1990
STL FSDO

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive St. Louis Downtown Parks Airport	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
1-16-90	James Scott Ong

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 [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1-16-90	CRS R03R822L	Jimmie G. McCarty

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

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

1.) Amend STC SA2508CE to activate the V Nav function of the Collins EFIS-86C (14) System for operation at 18,000 feet and below. The amendment was in accordance with Midcoast Aviation, Inc. certification drawing list # AD890009 Rev. C, and with the following wiring diagram design change notices;

No. 1159-06000-151-C1 "EFIS-86C (14)
No. 1159-34010-151-B1 & B2 "Midcoast Switching Unit"

Structural drawing no. 0000087 Rev. B "5-Tube EFIS Installation", conducted a flight test in accordance with Midcoast Aviation, Inc. Report No. AS890038 dated November 27, 1989.

The above data was D.E.R. approved on FAA Form's 8110-3 dated 27 November 1989 and 9 January 1990, Midcoast Aviation, Inc. file no. MC890114, MC890116 and MC900003.

FAA approved Airplane Flight Manual Supplement dated 1-12-90 Rev. A is required when a Collins EFIS-86C (14) Electronic Flight Instrument System is installed.

2.) Updated the No. 1 and No. 2 flight Directors in accordance with wiring diagram design change notices no. 1159-04010-151-A1 "No.1 Flight Director Mod" and no. 1159-04011-151-A1 "No. 2 Flight Director Mod". The data was D.E.R. approved on FAA Form 8110-3 dated 27 November 1989, Midcoast Aviation, Inc. file no. MC890115.

3.) No equipment changes were made, weight and balance change was negligible.

END

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

OKC

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-PSDO

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (As shown on registration certificate): Ogden Management Services, Inc.	Address (As shown on registration certificate): Westchester County Airport, Hgr. D-3 White Plains, New York 10604

3. For FAA Use Only

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	B. Kind of Agency		C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive St. Louis Downtown Parks Airport Cahokia, IL 62206		U.S. Certificated Mechanic	CRS R03R822L
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
1-16-90	[signature]

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
1-16-90	CRS R03R822L	[signature]

FAA Form 337 (4-67)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

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

1.) Mechanized the Dual Universal Navigation UNS-1A Multi-Sensor Navigation Systems V Nav to the Flight Directors and Auto Pilot System in accordance with wiring diagram design change notices # 1159-03080-151-A1 "No. 1 Flight Management System (UNS-1A)" and # 1159-03081-151-A1 "No. 2 Flight Management System (UNS-1A)". The data was D.E.R. approved on FAA Form 8110-3 dated 27 November 1989, Midcoast Aviation, Inc. file no. MC890115.

Operation testing of the system was performed and all functions tested normal.

2.) Pending FAA approval of the Flight Manual Supplement Report AM02589 the aircraft is placarded, "Use of the V Nav is prohibited below 18,000 feet PA".

3.) No equipment was changed, weight and balance change is negligible.

END

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification STL F500

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (As shown on registration certificate): Ogden Management Service, Inc.	Address (As shown on registration certificate): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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				

RECEIVED DEC 6 1989 FAA

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive St. Louis Downtown Parks Ariport Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
12-1-89	Gerhard A Dickman

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						Other (Specify)
	☐ FAA Flt. Standards Inspector	☐	Manufacturer	☐	Inspection Authorization	
	☐ FAA Designee	X	Repair Station	☐	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
12-1-89	CRS R03R822L	Jeannie A. McCrary

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. 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 landing gear horn silence switches in the pilot's & co-pilot's control wheels in accordance with Midcoast Aviation, Inc. D.E.R. approved wiring diagram # 1159-20001-151 "Gear Horn Mod". The data was approved on FAA Form 8110-3 dated 11-27-89 Midcoast Aviation, Inc. File No. MC890115.

2.) Updated STC # SA2507CE Honeywell YC-18778213 Laser Reference System. Removed a Collins Battery P/N 792-6978-001 and installed a Litton Battery P/N 28002-001 and a 1 Ohm 100 Watt resistor in accordance with Midcoast Aviation, Inc. D.E.R. approved wiring diagram # 1159-03040-151 DNC # A-1 dated 11-30-89 "IRS (Laser Ref) and structural drawing # 0000086 Revision "B" dated 11-27-89. The data was D.E.R. approved on FAA Form 8110-3 dated 11-30-89 Midcoast Aviation, Inc. File No. MC89011B and MC890119.

END

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

BATCH

US Department of Transportation
Federal Aviation Administration

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

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

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (*As shown on registration certificate*): Ogden Management Service, Inc.	Address (*As shown on registration certificate*): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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				

RECEIVED DEC 6 1989 FSDO 62

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archivew Drive St. Louis Downtwon Parks Ariport Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
12-1-89	Gerhard A. Dickmann

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other (*Specify*)
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
12-1-89	CRS R03R822L	Jimmie A. McCray

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

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

1.) Updated STC # SA2508CE dated 7-6-89 Collins 5 Tube EFIS-86C (14) System to incorporate vertical and lateral approach modes from the UNS-1A Flight Management System to the existing auto pilot and Flight Directors in accordance with Midcoast Aviation, Inc. D.E.R. approved Drawing Change Notices (DCN'S) to the following wiring diagrams, No. 1159-06000-151 Revision "B" DCN # C-1 dated 11-22-89 "EFIS-86C (14) ", No. 1159-03080-151 Revision "N/C" DCN # A-1 dated 11-22-89 "No. 1 Flight Management System (UNS-1)", No.1159-03081-151 Revision "N/C" DCN # A-1 dated 11-22-89 "No. 2 Flight Management System (UNS-1)", No.1159-04010-151 Revision "N/C" DCN # A-1 dated 11-22-89 "No.1 Flight Director Mod", No.1159-04011-151 Revision "N/C" DCN # A-1 dated 11-22-89 "No. 2 Flight Director Mod" and No. 1159-34010-151 Revision "A" DCN # B-1 dated 11-22-89 "Midcoast Switching Unit" and structural D.E.R. approved drawing # 0000087 Revision "B" dated 11-27-89 "5-Tube EFIS Installation". A flight test of the system was conducted in accordance with Midcoast Aviation, Inc. Flight Test # A8890038.

The above data was D.E.R. approved on FAA Form's 8110-3 dated 11-27-89 Midcoast Aviation, Inc. File No. MC890114, MC890115 and MC890116.

2.) Pending approval of the Flight Manual Supplement the aircrraft is placarded to read " Use of the V-Nav approach from the UNS-1A Flight Management System is not Approved".

3.) No equipment changes were made, the weight change is negligible.

END

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

BM Roff

US Department of Transportation
Federal Aviation Administration

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

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

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	Model
GULFSTREAM AEROSPACE	G-1159B
Serial No. 151	**Nationality and Registration Mark** N979RA

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
Ogden Management Service, Inc.	Westchester County Airport, Hgr. D3 White Plains, NY 10604

3. For FAA Use Only

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				

RECEIVED
AUG 23 1989
STL FSDO
62

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. 8 Archview Drive Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
July 10, 1989	Carl E. Jones

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 Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other *(Specify)*
	FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
July 10, 1989	R03R822L	Carl E. Jones

FAA Form 337 (4-87)

EFTA00278277

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

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

Assembled and installed Cabin Seat Cushions for flame blocking per the following Midcoast Aviation, Inc. drawings.

1.) 0000115 Production Seat - Cabin Singles
2.) 0000116 Production Seat - Cabin Singles
3.) 0000117 Production Seat - Cushion Two-Place Divan
4.) 0000118 Production Seat - Cushion Three-Place Divan
5.) 0000119 Production Seat - Cushion Jumpseat

Test cushions, Midcoast Aviation, Inc. part number 0000120, 0000121, and 0000122 were tested in accordance with FAA-approved Flame Blocking Test Procedures and found to be in compliance with F.A.R. 25.853(c), Appendix F, Part II. Tests were conducted by Designated Engineering Representative, Allen B. Davis.

----------END----------

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N-979RA	GULFSTREAM G-1159B	151	TRANSPORT

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

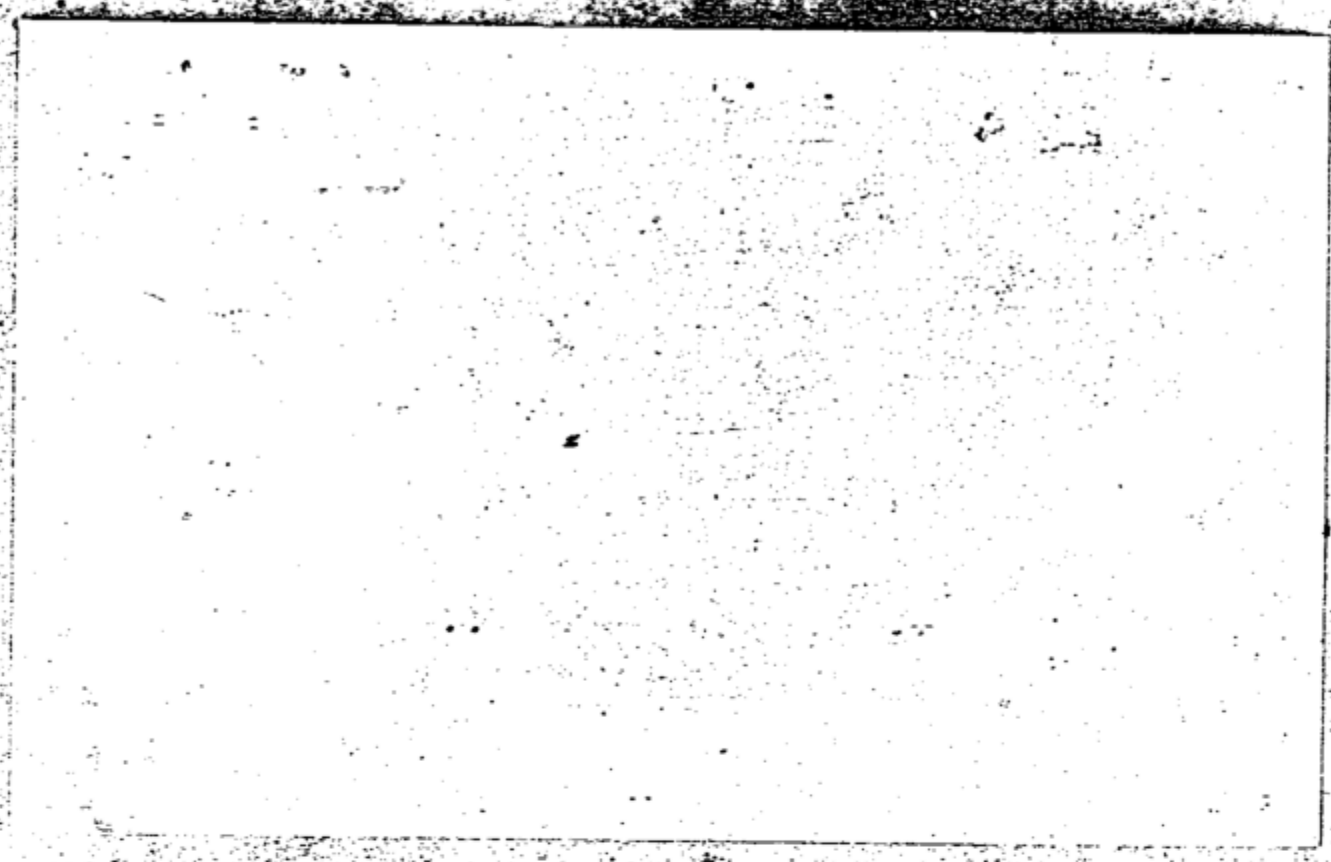
DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
7-6-89	BRUCE G. MUELLER Bruce G. Mueller	SIL-FSDO

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82) GPO 892-804

EFTA00278279

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90



FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

38

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
ATL-FSDO

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (As shown on registration certificate): Ogden Management Service, Inc.	Address (As shown on registration certificate): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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:				

JUL 26 1989

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	CRS R03R822L

D. 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: 7/6/89

Signature of Authorized Individual: Gerhard P Dickmann

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 [X] APPROVED [ ] REJECTED

BY

[ ]	FAA FIL Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization
[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group

Other (Specify):

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
7/6/89	CRS R03R822L	Alimino G. McCreary

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. 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 A HONEYWELL YG1782B LASER REFERENCE SYSTEM IN ACCORDANCE WITH STC #SA2507CE DATED 7-6-89. THE SYSTEM CONSIST OF THE FOLLOWING EQUIPMENT;

A.) INERTIAL REFERENCE UNIT	P/N HG1075AB04	S/N 499
B.) FAN	P/N 70089782-101	S/N KE5718
C.) IRS BATTERY	P/N 792-6978-001	S/N 195
D.) MODE SELECT UNIT	P/N CG1042AB03	S/N 711
E.) INERTIAL SYSTEM DISPLAY UNI	P/N CG1530AC10	S/N 107
F.) SWITCHING UNIT	P/N 1159-34010-151	S/N 151

PERFORMED A FUNCTIONAL TEST (GROUND & FLIGHT) OF THE SYSTEM AND ALL OPERATION OPERATED NORMAL.

FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED 7-6-89, IS REQUIRED WHEN A HONEYWELL LASEREF INERTIAL REFERENCE SYSTEM IS INSTALLED.

2.) INSTALLED A COLLINS 5 TUBE EFIS-86C (14) SYSTEM IN ACCORDANCE WITH STC # SA2508CE DATED 7-6-89 THE SYSTEM CONSIST OF THE FOLLOWING EQUIPMENT;

A.) DISPLAY CONTROL PANEL (DCP-85H) 2 EACH	P/N 622-9165-002	S/N 115 & 132
B.) ELECTRONIC FLIGHT DISPLAY (EFD-86) 4 EACH	P/N 622-6342-024	S/N 2078, 2079, 2101, 2102
C.) DISPLAY PROCESSOR UNIT (DPU-86R) 2 EACH		
D.) MULTI FUNCTION PROCESSOR UNIT		
F.) SWITCHING UNIT		
G.) COURSE HEADING PANEL (CHP-86C) 2 EACH		
H.) MULTI FUNCTION DISPLAY (MFD-85B)		
I.) LATERAL ACCELEROMETER (LAC-80)		
J.) FAN 6 EACH		
K.) FMM-85 6 EACH		
L.) REMOTE PROGRAMMER (RDP-300)		

P/N HG1075AB04 S/N 499
P/N 70089782-101 S/N KE5718
P/N 792-6978-001 S/N 195
P/N CG1042AB03 S/N 711
P/N CG1530AC10 S/N 107
P/N 1159-34010-151 S/N 151

ND & FLIGHT) OF THE SYSTEM AND ALL

MENT DATED 7-6-89, IS REQUIRED WHEN A
NCE SYSTEM IS INSTALLED.

6C (14) SYSTEM IN ACCORDANCE WITH STC #
CONSIST OF THE FOLLOWING EQUIPMENT;

P/N 622-9165-002 S/N 115 & 132

P/N 622-6342-024 S/N 2078, 2079, 2101, 2102

EFTA00278282

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

(Continued):

2.) PERFORMED A FUNCTIONAL TEST (GROUND AND FLIGHT) OF THE SYSTEM, AND ALL OPERATION OPERATED NORMAL.

FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED 7-6-89, IS REQUIRED WHEN A EFIS-86 (14) ELECTRONIC FLIGHT INSTRUMENT SYSTEM IS INSTALLED.

3.) PRECISE FLIGHT, INC. STC # SA2622NM, INSTALLED A PRECISE PULSELITE CONTROL UNIT IN THE LANDING/TAXI LIGHT SYSTEM IN ACCORDANCE WITH PRECISE FLIGHT INSTALLATION INSTRUCTIONS NO. PPRI-1000 REVISION # 7 DATED 2-15-88 AND D.E.R. APPROVED WIRING DIAGRAM 1159-08010-151 "PULSE LIGHT SYSTEM" PULSE LIGHT CONTROL UNIT P/N 2400-25-4-4 S/N K00147.

4.) THE AIRCRAFT WAS WEIGHED AND A NEW WEIGHT AND BALANCE WAS COMPUTED. THE EQUIPMENT LIST WAS SUPPLEMENTED, AND AN APPROPRIATE ENTRY WAS MADE IN THE AIRCRAFT RECORDS.

END

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

Form Approved
O.M.B. No. 2120-0018

U.S. Department of Transportation
Federal Aviation Administration

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (Make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFR.	FAA CODING
N°79RA	Gulfstream	G-1159B	1974	39ØØ11Ø
5. AIRCRAFT SERIAL NO	**6. ENGINE BUILDER'S NAME (Make)**	**7. ENGINE MODEL DESIGNATION**		54523
151	Rolls-Royce Spey	RB511-8		
8. NUMBER OF ENGINES	**9. PROPELLER BUILDER'S NAME (Make)**	**10. PROPELLER MODEL DESIGNATION**	**11. AIRCRAFT IS (Check if applicable)**	
Two (2)	N/A	N/A	IMPORT	

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A	1	X	STANDARD AIRWORTHINESS CERTIFICATE (Indicate category)		NORMAL		UTILITY		ACROBATIC	X	TRANSPORT		GLIDER		BALLOON
B			SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)												
	2		LIMITED												
	5		PROVISIONAL (Indicate class)	1		CLASS I									
				2		CLASS II									
	3		RESTRICTED (Indicate operation(s) to be conducted)	1		AGRICULTURE AND PEST CONTROL	2		AERIAL SURVEYING	3		AERIAL ADVERTISING			
				4		FOREST (Wildlife conservation)	5		PATROLLING	6		WEATHER CONTROL			
				7		CARRIAGE OF CARGO	0		OTHER (Specify)						
	4		EXPERIMENTAL (Indicate operation(s) to be conducted)	1		RESEARCH AND DEVELOPMENT	2		AMATEUR BUILT	3		EXHIBITION			
				4		RACING	5		CREW TRAINING			MKT SURVEY			
				0		TO SHOW COMPLIANCE WITH FAR									
	8		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)	1		FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE									
				2		EVACUATE FROM AREA OF IMPENDING DANGER									
				3		OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT									
				4		DELIVERING OR EXPORT	5		PRODUCTION FLIGHT TESTING						
				6		CUSTOMER DEMONSTRATION FLIGHTS									
C	6		MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)												

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration) — IF DEALER, CHECK HERE →

NAME	ADDRESS
OGDEN MANAGEMENT SERVICES, INC.	Westchester City Arpt., Hgr. D3 White Plains, NY 10604

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

X	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) A12EA, Rev. No. 17	X	AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) 89-05-05
	AIRCRAFT LISTING (Give page number(s))	X	SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) See Attached List

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173.	TOTAL AIRFRAME HOURS 5684:33	3	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) 15:20

D. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above, that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
July 6, 1989	Carl E. Jones - Agent	Carl E. Jones

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183(d) applies)

2		FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	3		CERTIFICATED MECHANIC (Give Certificate No.)	6	X	CERTIFICATED REPAIR STATION (Give Certificate No.) RO3R822L
5		AIRCRAFT MANUFACTURER (Give name of firm)						

DATE	TITLE	SIGNATURE
July 6, 1989	Chief Inspector	Carl E. Jones

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VII meets requirements for:

	✓	THE CERTIFICATE REQUESTED				
4		AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE				

B. Inspection for a special flight permit under Section VII was conducted by:

	FAA INSPECTOR		FAA DESIGNEE					
	CERTIFICATE HOLDER UNDER:		FAR 65		FAR 121, 127 or 135	.	FAR 145	

DATE	DISTRICT OFFICE		DESIGNEE'S SIGNATURE AND NO.		FAA INSPECTOR'S SIGNATURE
7/6/89	STL-FSDO	4		1	Bruce G. Mueller

FAA Form 8130-6 (11-88) SUPERSEDES PREVIOUS EDITION

EFTA00278285

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

*U.S.GPO:1989-241-672/90913

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- ☐ PRODUCTION CERTIFICATE *(Give production certificate number)*
- ☐ TYPE CERTIFICATE ONLY
- ☐ APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT — CUSTOMER DEMONSTRATION FLIGHTS ☐ *(Check if applicable)*

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

☐ PILOT ☐ CO-PILOT ☐ NAVIGATOR ☐ OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: *(Use attachment if necessary)*

F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- ✓ A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- ☐ B. Current Operating Limitations Attached
- ☐ C. Data, Drawings, Photographs, etc. *(Attach when required)*
- ✓ D. Current Weight and Balance Information Available in Aircraft
- ✓ E. Major Repair and Alteration, FAA Form 337 *(Attach when required)*
- ✓ F. This Inspection Recorded in Aircraft Records
- ☐ G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
- ☐ H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- ☐ I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.191 CAR _____ *(Original Attached)*
- ☐ J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 *(Copy attached)*

EFTA00278286

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

Attachment to FAA Form 8130-6 dated July 6, 1989

G-1159B REGISTRATION NO.: N979RA SERIAL NO.: 151

List of STC's Incorporated

SA2622NM
SA2907SW
SA722EA
SA1193SW
SA1057SW
SA1037SW
SA1553SW
SA1861SW
SA999SW
SA1918SW
SA951SW
SA2512WE
SA1613SW
SA2507CE
SA2508CE

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-70

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

EXPERIMENTAL AIRCRAFT OPERATING LIMITATIONS

Research & Development, Showing Compliance With
Regulations, Crew Training, Market Surveys

(Over 800 HP, 12,500 lbs)

MAKE: GRUMMAN (GULFSTREAM AEROSPACE) SERIAL NO.: 151

MODEL: GULFSTREAM G-1159 REGISTRATION NO.: N979RA

1. No person may operate this aircraft for other than the purpose(s) of SHOWING COMPLIANCE WITH REGULATIONS (FAR 21.191), to accomplish tests outlined in the applicant's program letter dated 6-28-89, describing compliance with FAR 21.193(d). Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of FAR 91, and all additional limitations herein prescribed under the provisions of FAR 91.42(e).

2. All flights shall be conducted within the geographical area described as follows: CONTINENTAL UNITED STATES

3. No operations, including takeoffs and landings, shall be conducted over densely populated areas or in congested airways, except those takeoffs and landings authorized as follows: ALL ACTIVE AIRPORTS AND RUNWAYS

4. Unless appropriately equipped for night and/or instrument flight in accordance with FAR 91.33, this aircraft must be operated Day VFR only.

5. No person may be carried in the aircraft during flight unless that person is required for the purpose of the flight.

6. No person may operate this aircraft for carrying persons or property for compensation or hire.

7. This aircraft shall contain the Flight Manual, markings and placards required by FAR 91.31.

8. This aircraft is prohibited from aerobatic flight; that is, an intentional maneuver involving an abrupt change in the aircraft's attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.

9. The cognizant FAA Flight Standards District Office must be notified and their response received in writing prior to flying this aircraft after incorporating a major change as defined by FAR Part 43, Appendix A.

(Continued on Reverse)

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 2

To Mid Coast Aviation	From Bob Bauman
Co. Carl Jones	Co. Ryan Aviation
Dept.	Phone #
Fax # 618-332-1457	Fax # 316-942-7949

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

10. The pilot-in-command of this aircraft must, as applicable, hold an appropriate category/class rating, have an aircraft type rating, have a flight instructor's log-book endorsement or possess a "Letter of Authorization" issued by an FAA Flight Standards District Office or Air Carrier Operations Inspector.

11. This aircraft shall not be flown unless it is maintained and operated in accordance with appropriate military technical publications, manufacturer's instructions, or FAA approved maintenance program for this aircraft.

12. If aircraft, engine or propeller operation limitations are exceeded, an appropriate entry will be made in the historical records. (Applicable only to Research and Development and Showing Compliance with Regulations.)

13. This aircraft shall not be operated for glider towing or parachute jumping operations.

14. The aircraft shall bear the word "Experimental" near each entrance to the cabin or cockpit in accordance with FAR 45.23.

15. Additional Operating Limitations: NONE

JAMES E JACKSON

6-28-89 — James E Jackson — CE-45
Date of Issue — FAA Representative — Designation/Office No.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-FSDO

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (*As shown on registration certificate*): Ogden Management Service, Inc.	Address (*As shown on registration certificate*): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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				

RECEIVED
JUL 12 1989
STL FSDO
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6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206	U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
7/6/89	Gerhard P Dickmann

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

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
7/6/89	CRS R03R822L	Jimmie G. McCrary

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. 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 A HONEYWELL YG1782B LASER REFERENCE SYSTEM IN ACCORDANCE WITH STC #SA2507CE DATED 7-6-89. THE SYSTEM CONSIST OF THE FOLLOWING EQUIPMENT;

A.) INERTIAL REFERENCE UNIT	P/N HG1075AB04	S/N 499
B.) FAN	P/N 70089782-101	S/N KE5718
C.) IRS BATTERY	P/N 792-6978-001	S/N 195
D.) MODE SELECT UNIT	P/N CG1042AB03	S/N 711
E.) INERTIAL SYSTEM DISPLAY UNI	P/N CG1230AC10	S/N 107
F.) SWITCHING UNIT	P/N 1159-34010-151	S/N 151

PERFORMED A FUNCTIONAL TEST (GROUND & FLIGHT) OF THE SYSTEM AND ALL OPERATION OPERATED NORMAL.

FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED 7-6-89, IS REQUIRED WHEN A HONEYWELL LASEREF INERTIAL REFERENCE SYSTEM IS INSTALLED.

2.) INSTALLED A COLLINS 5 TUBE EFIS-86C (14) SYSTEM IN ACCORDANCE WITH STC # SA2508CE DATED 7-6-89 THE SYSTEM CONSIST OF THE FOLLOWING EQUIPMENT;

A.) DISPLAY CONTROL PANEL (DCP-85H) 2 EACH	P/N 622-9165-002	S/N 115 & 132
B.) ELECTRONIC FLIGHT DISPLAY (EFD-86) 4 EACH	P/N 622-6342-024	S/N 2078,2079, 2101, 2102
C.) DISPLAY PROCESSOR UNIT (DPU-86R) 2 EACH	P/N 622-9009-001	S/N 2687 & 3512
D.) MULTI FUNCTION PROCESSOR UNIT	P/N 622-9010-001	S/N 2203
F.) SWITCHING UNIT	P/N 1159-34010-151	S/N 151
G.) COURSE HEADING PANEL (CHP-86C) 2 EACH	P/N 622-7875-002	S/N 130 & 131
H.) MULTI FUNCTION DISPLAY (MFD-85B)	P/N 622-7876-002	S/N 1645
I.) LATERAL ACCELEROMETER (LAC-80)	P/N 229-03240-020	S/N 368
J.) FAN 6 EACH	P/N 009-1965-030	S/N NONE
K.) FMM-85 6 EACH	P/N 622-7154-002	S/N 531,532,533, 534,578,579
L.) REMOTE PROGRAMMER (RDP-300)	P/N 622-5110-001	S/N 2081

Additional Sheets Are Attached Page 1 Of 2

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

(Continued):

5.) The previously installed Dual Collins TDR-90 Transponder System control was changed from a Gables to a Collins CTL-92 ATC control with A CAD-62 control-adapter. This control head and adapter unit is an approved control device for the Dual Collins TDR-90 Transponder System. No changes were made to the Transponder antenna's. The operation of the Transponder system was ground and flight checked and all operations were normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagram 1159-11000-151 "Transponder Control (CTL-92)" reflects the aircraft wiring.

6.) Removed a Bendix RDR-1200 Radar System, radar indicator, RT unit and radar antenna and installed a Collins Radar Antenna RT Unit and WXP-850A & WXP-850B Weather Radar Panels. Operation of the system was ground and flight-checked in accordance with manufacture's maintenance manual and all operations were found to be normal, completed in flight radar stabilization procedure. Midcoast Aviation, Inc. D.E.R. approved wiring diagram 1159-14010-151 "Radar (TWR-850)" reflects the aircraft wiring and D.E.R. approved structural drawing shows the installation of the antenna RT Unit, 0000088 "RTA-858 Antenna Installation".

7.) Installed a Collins Air Data Computer ADC-80H DaDc, ADA-85 ADC adapter and TAI-80A TAS/TEMP indicator, using the existing temp probe. The computer is mounted to a hat section pan with nut plates and the hat section is mounted with AN bolts to radio rack shelf using existing inserts. The hat section is manufactured from .063 2024T3 aluminum installation in accordance with AC 43.13-2A Chapter 2 paragraph 25, Midcoast Aviation, Inc. D.E.R. approved wiring diagram 1159-04040-151 "No. 3 Air Data computer" reflects the aircraft wiring. Operational testing of the system was performed and all function testing normal.

8.) Installed a cabin audio/video/stereo/airshow system. Cabin depressurization protection is provided for by a 10,000 foot pneumatic disconnect switch. The system is installed as a non-required system and has been tested to assure no EMI with required avionic systems, Midcoast Aviation, Inc. D.E.R. approved wiring diagram 1159-21010-151 "Cabin Entertainment" 1159-21011-151 Airshow reflects the aircraft wiring, and D.E.R. approved structural drawings 0000133 "5 inch pop-up TV installation" 0000134 "TV and VCR" installation 0000135 "SPS 3068 inverter and M1060J audio amp installation" and AC 43-13-2A reflects the structural installation.

9.) The galley was reworked to add a microwave oven, inverter, and coffee maker. These items were tested for EMI and proper operation and found to be normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagrams 1159-30001-151 "Microwave Oven", 1159-30010-151 "Galley" and AEO 151-2 "Coffee Maker" and D.E.R. approved structural drawings 0000132 "microwave oven installation", 0000136 "SPH 1606B-3" inverter installation - R/H galley.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

(Continued):

10.) Installed a IRS/TRU select annunciator switch. This was an existing feature that was modified to use another navigation source. The switches installed on the pilot's and co-pilot's switch panel. IRS/TRU select gives a magnetic heading when deselected or a true heading when selected. In the selected position the annunciator is lit (IRS Mode). Installed a ATT/ADG select annunciator switch on the pilots and co-pilots switch panel. The pilots switch when not lighted is in the INS source (primary) and when lighted comes from the # 1 VG and # 1 DG source, (secondary). The co-pilot switch when not lighted comes from the # 2 VG and # 2 DG source (primary), and when lighted comes from the INS source (secondary). The operation of the switches were ground and flight tested and found to operate normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagrams, 1159-2000-151 "Instrument Panel & Annunciator Mod", 1159-32000-151 "Compass Transfer Mod" and 1159-33000-151 "Altitude Transfer Mod" reflects the aircraft wiring.

11.) Installed a cabin 60 HZ AC System Inverter P/N SPS 1307 S/N 440 in accordance with Midcoast Aviation, Inc. D.E.R. approved wiring AEO 151-1 and mounting in accordance with AC 43.13-2A.

12.) Installed a B&D Instrument Air Data Computer (# 4 ADC) P/N 2800A-041 S/N A01023 and Rosemount Probe P/N 129H S/N 74498 to interface with the UNS-1 Flight Management System, IRS (Laser Ref), pilot's ALTM & ALT Data System, ALT Select & Alert System. Operational testing of the system was performed (ground and flight testing) and all function tested normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagram # 1159-04041-151 "No. 4 Air Data Computer" reflects the aircraft wiring. Installation of the Air Data Computer installed in the forward radio rack in accordance with AC 43.13-2A.

13.) The aircraft was weighed and a new weight and balance was computed. The equipment list was supplemented and an appropriate entry was made in the aircraft records.

----------END----------

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

GGA

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-FSDO

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: Gulfstream Aerospace	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (As shown on registration certificate): Ogden Management Service, Inc.	Address (As shown on registration certificate): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

4. Unit Identification / 5. Type

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

RELEIVED
JUL 12 1989
STL FSDO
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6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
Midcoast Aviation, Inc. # 8 Archview Drive Cahokia, IL 62206		U.S. Certificated Mechanic	
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	CRS R03R822L
		Manufacturer	

D. 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: 7/6/89

Signature of Authorized Individual: Gerhard A Dickmon

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 [X] APPROVED [ ] REJECTED

BY						Other (Specify)
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
7/6/89	CRS R03R822L	Jennie A. McCray

FAA Form 337 (4-87)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

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

1.) The Dual Collins VHF-20B System was removed and replaced with Dual Collins VHF 22A System. The VHF 22A radios are TSO'D replacement for the VHF-20's. Form, fit and function remain the same. New control heads displaying diagnostic functions are installed with new radios. Weight, power consumption, performance, and reliability are improved with the VHF 22A. The antenna was not changed therefore flight testing of the system is not required. Operational testing of the system was performed and all functions tested normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagrams 1159-10010-151 No. 1 VHF Communication (VHF-22B) and 1159-10011-151, No. 2 VHF Communication (VHF-22B) reflects the aircraft wiring.

2.) Updated the Dual Collins VIR-30A's to Collins VIR-32's. The VIR-32 radios are physically and functionally interchangeable. The weight, power consumption, and reliability of the navigation system has not been degraded. No antenna changes were made therefore flight testing of the installed antenna radiation patterns were not necessary. The control heads for the navigation system were changed from Gables control heads to Collins CTL-32 control heads. System operation was ground and flight checked and all operations were normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagrams 1159-03010-151 No. 1 Navigation System (VIR-32) and 1159-03011-151, No. 2 Navigation System (VIR-32) reflects the aircraft wiring.

3.) Updated the Dual Collins DME-40's to Collins DME-42's. The DME-42 radios are physically and functionally interchangeable. The weight, power consumption and reliability of the DME radio System had not been degraded. No antenna changes were made and therefore flight testing of the installed antenna radiation patterns were not necessary. The control heads for the DME System are the control heads of the VHF navigation System. Operation was ground and flight checked all operations were normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagrams 1159-13000-151 No. 1 DME (DME-42) and 1159-13001-151, No. 2 DME (DME-42) reflects the aircraft wiring.

4.) Removed a Gables ADF control head, 2 each ADF receivers and 2 each ADF antennas and replaced with a Collins CTL-62 control head, 2 each CAD-62 control adapter units and 1 each Dual ANT-60B ADF antenna. This control head adapter unit and antenna is an approved control device for the Collins ADF-60 system. The operation of the ADF system was ground and flight checked and all operations were normal. Midcoast Aviation, Inc. D.E.R. approved wiring diagram 1159-12000-151 Dual ADF (ADF-60) reflects the aircraft wiring. The Dual ADF antenna was installed in the existing mounting of removed antenna.

☒ Additional Sheets Are Attached Page 1 of 3

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

(Continued):

2.) PERFORMED A FUNCTIONAL TEST (GROUND AND FLIGHT) OF THE SYSTEM, AND ALL OPERATION OPERATED NORMAL.

FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED 7-6-89, IS REQUIRED WHEN A EFIS-86 (14) ELECTRONIC FLIGHT INSTRUMENT SYSTEM IS INSTALLED.

3.) PRECISE FLIGHT, INC. STC # SA2622NM, INSTALLED A PRECISE PULSELITE CONTROL UNIT IN THE LANDING/TAXI LIGHT SYSTEM IN ACCORDANCE WITH PRECISE FLIGHT INSTALLATION INSTRUCTIONS NO. PPRI-1000 REVISION # 7 DATED 2-15-88 AND D.E.R. APPROVED WIRING DIAGRAM 1159-08010-151 "PULSE LIGHT SYSTEM" PULSE LIGHT CONTROL UNIT P/N 2400-25-4-4 S/N K00147.

4.) THE AIRCRAFT WAS WEIGHED AND A NEW WEIGHT AND BALANCE WAS COMPUTED. THE EQUIPMENT LIST WAS SUPPLEMENTED, AND AN APPROPRIATE ENTRY WAS MADE IN THE AIRCRAFT RECORDS.

END

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90



FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

OKC

US Department of Transportation
Federal Aviation Administration

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

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

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: GULFSTREAM AEROSPACE	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name *(As shown on registration certificate)*: Ogden Management Service, Inc.	Address *(As shown on registration certificate)*: Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

The alteration identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7."

INSTALLATION IS COMPATIBLE WITH FLIGHT MANUAL SUPPLEMENT. FAA ENGINEERING APPROVED.

STL-FSDO — District Office
7-7-89 — Date
Bill Bunch — FAA Inspector

4. Unit Identification

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

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Midcoast Aviation, Inc. #8 Archview Drive St. Louis Downtown-Parks Airport Cahokia, IL 62206	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	CRS R03R822L

D. 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	Signature of Authorized Individual
June 30, 1989	Gerard A. Dickmon

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 [X] APPROVED [ ] REJECTED

BY							
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	Other *(Specify)*
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
June 30, 1989	R03R822L	Carl E. Jones

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. 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 a Dual Universal Navigation UNS-1A Multi-Sensor Navigation System. The system was installed and approved in accordance with AC-20-130 dated 9-12-88, & AC 43-12-2A for the mounting of the equipment. See Midcoast Aviation, Inc. Compliance Report AC890006, dated 6-30-89.

Operation testing of the system was performed and all functions tested normal.

2.) FAA approved Flight Manual Supplement dated 7-6-89, is required when a UNS-1 Multi-Sensor Navigation System is installed.

3.) The equipment list was supplemented and the aircraft was weighed and a new weight and balance was computed, an appropriate entry was made in the aircraft records.

----------END----------

The Flight Manual Supplement is compatible with the aircraft.

Bill Bunch
FAA AVIONICS INSPECTOR

7-7-89
DATE

☐ Additional Sheets Are Attached

EFTA00278300

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

SL

BB

SLA

US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
STL-FSDO

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: GULFSTREAM AEROSPACE	Model: G-1159B
	Serial No.: 151	Nationality and Registration Mark: N979RA
2. Owner	Name (*As shown on registration certificate*): Ogden Management Service, Inc.	Address (*As shown on registration certificate*): Westchester County Airport, Hgr D3 White Plains, New York 10604

3. For FAA Use Only

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				

RECEIVED
JUL 12 1989
STL FSDO
62

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		C. Certificate No.
Midcoast Aviation, Inc. #8 Archview Drive St. Louis Downtown-Parks Airport Cahokia, IL 62206		U.S. Certificated Mechanic	CRS R03R822L
		Foreign Certificated Mechanic	
	X	Certificated Repair Station	
		Manufacturer	

D. 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	Signature of Authorized Individual
June 30, 1989	Gerhard A Dickmann

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						Other (*Specify*)
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
June 30, 1989	R03R822L	Jimmie A. McCrary

FAA Form 337 (4-87)

EFTA00278301

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. 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 a Dual Universal Navigation UNS-1A Multi-Sensor Navigation System. The system was installed and approved in accordance with AC-20-130 dated 9-12-88, & AC 43-12-2A for the mounting of the equipment. See Midcoast Aviation, Inc. Compliance Report AC890006, dated 6-30-89.

Operation testing of the system was performed and all functions tested normal.

2.) Pending FAA approval of the Flight Manual Supplement, Navigation shall not be predicated upon the use of the Universal Navigation UNS-1A Flight Management System. Aircraft has been placarded.

3.) The equipment list was supplemented and the aircraft was weighed and a new weight and balance was computed, an appropriate entry was made in the aircraft records.

----------END----------

☐ Additional Sheets Are Attached

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

Form Approved
O.M.B. No. 2120-0018

U.S. Department of Transportation
Federal Aviation Administration

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (Make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFR.	FAA CODING
N979RA	GULFSTREAM	G-1159B	1974	3980110
5. AIRCRAFT SERIAL NO.	**6. ENGINE BUILDER'S NAME (Make)**	**7. ENGINE MODEL DESIGNATION**		54555
151	Rolls-Royce Spey	RB511-8		
8. NUMBER OF ENGINES	**9. PROPELLER BUILDER'S NAME (Make)**	**10. PROPELLER MODEL DESIGNATION**	**11. AIRCRAFT IS (Check if applicable)**	
Two (2)	N/A	N/A	IMPORT	

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A	1		STANDARD AIRWORTHINESS CERTIFICATE (Indicate category)		NORMAL		UTILITY		ACROBATIC		TRANSPORT		GLIDER		BALLOON
B		X	SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)										
	2		LIMITED										
	5		PROVISIONAL (Indicate class)	1		CLASS I							
				2		CLASS II							
	3		RESTRICTED (Indicate operation(s) to be conducted)	1		AGRICULTURE AND PEST CONTROL	2		AERIAL SURVEYING	3		AERIAL ADVERTISING	
				4		FOREST (Wildlife conservation)	5		PATROLLING	6		WEATHER CONTROL	
				7		CARRIAGE OF CARGO	0		OTHER (Specify)				
	4	X	EXPERIMENTAL (Indicate operation(s) to be conducted)	1		RESEARCH AND DEVELOPMENT	2		AMATEUR BUILT	3		EXHIBITION	
				4		RACING	5		CREW TRAINING			MKT. SURVEY	
				0	X	TO SHOW COMPLIANCE WITH FAR							
	6		SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)	1		FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE							
				2		EVACUATE FROM AREA OF IMPENDING DANGER							
				3		OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT							
				4		DELIVERING OR EXPORT	5		PRODUCTION FLIGHT TESTING				
				6		CUSTOMER DEMONSTRATION FLIGHTS							
C	8		MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)										

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration) — IF DEALER, CHECK HERE →

NAME	ADDRESS
OGDEN MANAGEMENT SERVICES, INC.	Westchester City Arpt., HGR D3 White Plains, NY 10604

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

X	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) A12EA, Rev. No. 17	X	AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) 89-05-05
	AIRCRAFT LISTING (Give page number)		SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173	TOTAL AIRFRAME HOURS 5669.13	3	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)

D. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
June 28, 1989	Carl E. Jones - Agent	Carl E. Jones

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183(d) applies)

2	FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	3	CERTIFICATED MECHANIC (Give Certificate No.)	6	CERTIFICATED REPAIR STATION (Give Certificate No.)
5	AIRCRAFT MANUFACTURER (Give name of firm)				

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VII meets requirements for:
- [X] THE CERTIFICATE REQUESTED
- [ ] 4 AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

B. Inspection for a special flight permit under Section VII was conducted by:
- [ ] FAA INSPECTOR
- [ ] FAA DESIGNEE
- [ ] CERTIFICATE HOLDER UNDER: [ ] FAR 65 [ ] FAR 121, 127 or 135 [ ] FAR 145

DATE	DISTRICT OFFICE		DESIGNEE'S SIGNATURE AND NO.		FAA INSPECTOR'S SIGNATURE
6-29-89	SE-45	4		1	James E Jackson

FAA Form 8130-6 (6-86) SUPERSEDES PREVIOUS EDITION

EFTA00278303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- ☐ PRODUCTION CERTIFICATE *(Give production certificate number)*
- ☐ TYPE CERTIFICATE ONLY
- ☐ APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT — CUSTOMER DEMONSTRATION FLIGHTS ☐ *(Check if applicable)*

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

☐ PILOT ☐ CO-PILOT ☐ NAVIGATOR ☐ OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [X] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [ ] E. Major Repair and Alteration, FAA Form 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [X] I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.183(a) CAR _____ *(Original Attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.191(b) _____ *(Copy attached)*

☆ U.S. Government Printing Office: 1986—491-818/53357

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

SPECIAL AIRWORTHINESS CERTIFICATE

A	CATEGORY/DESIGNATION	EXPERIMENTAL	
	PURPOSE	SHOWING COMPLIANCE WITH REGULATIONS	
B	MANUFACTURER NAME	N/A	
	MANUFACTURER ADDRESS	N/A	
C	FLIGHT FROM	N/A	
	FLIGHT TO	N/A	
D	N- 979RA	SERIAL NO. 151	
	BUILDER GULFSTREAM AEROSPACE	MODEL G-1159B	
	DATE OF ISSUANCE 6-28-89	EXPIRY 6-28-90	
E	OPERATING LIMITATIONS DATED 6-28-89	ARE A PART OF THIS CERTIFICATE	
	SIGNATURE OF FAA REPRESENTATIVE James E Jackson JAMES E. JACKSON	DESIGNATION OR OFFICE NO. CE 45	

Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding $1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

SEE REVERSE SIDE

FAA FORM 8130-7 (10/82)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

A	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
B	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

GPO: 1984—774-889

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

EXPERIMENTAL AIRCRAFT OPERATING LIMITATIONS

Research & Development, Showing Compliance With Regulations, Crew Training, Market Surveys

(Over 800 HP, 12,500 lbs)

MAKE: GRUMMAN (GULFSTREAM AEROSPACE) SERIAL NO.: 151

MODEL: GULFSTREAM G-1159 REGISTRATION NO.: N979RA

1. No person may operate this aircraft for other than the purpose(s) of SHOWING COMPLIANCE WITH REGULATIONS (FAR 21.191), to accomplish tests outlined in the applicant's program letter dated 6-28-89, describing compliance with FAR 21.193(d). Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of FAR 91, and all additional limitations herein prescribed under the provisions of FAR 91.42(e).

2. All flights shall be conducted within the geographical area described as follows: CONTINENTAL UNITED STATES

3. No operations, including takeoffs and landings, shall be conducted over densely populated areas or in congested airways; except those takeoffs and landings authorized as follows: ALL ACTIVE AIRPORTS AND RUNWAYS

4. Unless appropriately equipped for night and/or instrument flight in accordance with FAR 91.33, this aircraft must be operated Day VFR only.

5. No person may be carried in the aircraft during flight unless that person is required for the purpose of the flight.

6. No person may operate this aircraft for carrying persons or property for compensation or hire.

7. This aircraft shall contain the Flight Manual, markings and placards required by FAR 91.31.

8. This aircraft is prohibited from aerobatic flight; that is, an intentional maneuver involving an abrupt change in the aircraft's attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.

9. The cognizant FAA Flight Standards District Office must be notified and their response received in writing prior to flying this aircraft after incorporating a major change as defined by FAR Part 43, Appendix A.

(Continued on Reverse)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

10. The pilot-in-command of this aircraft must, as applicable, hold an appropriate category/class rating, have an aircraft type rating, have a flight instructor's log-book endorsement or possess a "Letter of Authorization" issued by an FAA Flight Standards District Office or Air Carrier Operations Inspector.

11. This aircraft shall not be flown unless it is maintained and operated in accordance with appropriate military technical publications, manufacturer's instructions, or FAA approved maintenance program for this aircraft.

12. If aircraft, engine or propeller operation limitations are exceeded, an appropriate entry will be made in the historical records. (Applicable only to Research and Development and Showing Compliance with Regulations.)

13. This aircraft shall not be operated for glider towing or parachute jumping operations.

14. The aircraft shall bear the word "Experimental" near each entrance to the cabin or cockpit in accordance with FAR 45.23.

15. Additional Operating Limitations: NONE

6-28-89
Date of Issue

JAMES E JACKSON
James E Jackson
FAA Representative

CE-45
Designation/Office No.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

FAA

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE Mid-South ASDO
7-0-67

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.

1. AIRCRAFT
- MAKE: GULFSTREAM
- MODEL: G1159
- SERIAL NO.: 151
- NATIONALITY AND REGISTRATION MARK: U.S.A. N979RA

2. OWNER
- NAME (As shown on registration certificate): OGDEN AMERICAN CORPORATION
- ADDRESS (As shown on registration certificate): HANGAR D-3 - WESTCHESTER COUNTY WHITE PLAINS, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)				
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: R/H ELEV. ASSY. / MANUFACTURER: GULFSTREAM	1159CS20002-1	S/N 151	X	

RECEIVED
JAN 14 1987
REGISTRATION
MID-SOUTH ASDO
ATLANTA, GA.

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS: GULFSTREAM AEROSPACE CORPORATION
P.O. BOX 2206- TRAVIS FIELD
SAVANNAH, GA. 31402

B. KIND OF AGENCY:
- [ ] U.S. CERTIFICATED MECHANIC
- [ ] FOREIGN CERTIFICATED MECHANIC
- [X] CERTIFICATED REPAIR STATION
- [ ] MANUFACTURER

C. CERTIFICATE NO.: 701-10

D. 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: 1-8-87

SIGNATURE OF AUTHORIZED INDIVIDUAL: PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY
- [ ] FAA FLT. STANDARDS INSPECTOR
- [ ] FAA DESIGNEE
- [ ] MANUFACTURER
- [X] REPAIR STATION
- [ ] INSPECTION AUTHORIZATION
- [ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT
- OTHER (Specify)

DATE OF APPROVAL OR REJECTION: 1-8-87

CERTIFICATE OR DESIGNATION NO.: 701-10

SIGNATURE OF AUTHORIZED INDIVIDUAL: PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67)

(8320)

EFTA00278309

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

REF: GULFSTREAM AEROSPACE CORPORATION WORK ORDER NO. C02B-0151-087-2654

REPAIRED L/H ELEVATOR ASSY. P/N 1159CS20002-1 S/N 151 PER GULFSTREAM AEROSPACE CORPORATION DWG. NO. 1159CS20431 MASS BALANCE CHECK PER GULFSTREAM AEROSPACE CORPORATION CUSTOMER BULLETIN 264 HOW TO MEASURE CONTROL SURFACE STATIC BALANCE. (REPLACED DAMAGED TIP AREA SKIN WITH NEW PART-PANITED SAME)

☐ ADDITIONAL SHEETS ARE ATTACHED

C FAA AC 72-6906

U S GPO 1981 - 775-332 47

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION 1211

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.

1. AIRCRAFT	MAKE **GULFSTREAM**	MODEL **G-1159B**
	SERIAL NO. **151**	NATIONALITY AND REGISTRATION MARK **N979RA**
2. OWNER	NAME (As shown on registration certificate) **OGDEN AMERICAN CORP.**	ADDRESS (As shown on registration certificate) **277 PARK AVENUE N.Y., N.Y. 10017**

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE REPAIR	5. TYPE ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
MIDWAY AVIONICS CORPORATION BLDG. 15 WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NEW YORK 10604	U.S. CERTIFICATED MECHANIC; FOREIGN CERTIFICATED MECHANIC; **XX** CERTIFICATED REPAIR STATION; MANUFACTURER	**111-92**

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
12-30-85	Thomas V. McGrath **THOMAS V. McGRATH**

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					OTHER (Specify)
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER	INSPECTION AUTHORIZATION	JAN 03 1986
	FAA DESIGNEE	XX	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL/REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
~~12-30-85~~ **12-30-85**	**111-92**	Thomas V. McGrath **THOMAS V. McGRATH IA1886228**

FAA Form 337 (7-67) (8320)

EFTA00278311

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

INSTALLED WULFSBERG FLITEFONE VI SYSTEM CONSISTING OF:

1. RT 18D -TRANSCEIVER
2. WH 10 -CONTROL UNIT
3. AT 461 -JET BLADE ANTENNA

THE INSTALLATION WAS ACCOMPLISHED IN ACCORDANCE WITH WULFSBERG INSTALLATION/OPERATORS MANUAL P/N 150-0119-00 REV. B SECT. II.

THE UNITS WERE INSTALLED AND INSPECTED IN ACCORDANCE WITH FAA AC 43.13-1A, CHAPTERS 11 aND 15j and FAA AC 43.13-2A, CHAPTER 10.

EMI AND RFI CHECKS WERE PERFORMED, AS WELL AS, SYSTEMS, OPERATIONAL TEST. NO ADVERSE EFFECTS WERE NOTED AND SYSTEM OPERATIONAL CHECKS WERE GOOD. THE SYSTEM HAS A NEGTIGIBLE EFFECT ON THE TOTAL ELECTRICAL LOAD OF THE AIRCRAFT. THE AIRCRAFT EQUIPMENT LIST AND WEIGHT AND BALANCE WERE UPDATED TO REFLECT THE CHANGES.

-END-

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION 1211

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: N 979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN AMERICAN CORP.	ADDRESS (As shown on registration certificate): 277 PARK AVENUE NEW YORK, N.Y. 10017

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / **5. TYPE**

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
THOMAS V. Mc-GRATH 731 Hungry Harbor Rd. No. Woodmere, N.Y. 11581	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	1886228

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
8-2-85	Thomas V. McGrath *Thomas V. McGrath*

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						OTHER (Specify)
	☐ FAA FLT. STANDARDS INSPECTOR	☐	MANUFACTURER	X	INSPECTION AUTHORIZATION	
	☐ FAA DESIGNEE	☐	REPAIR STATION	☐	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
8-2-85	IA 1886228	Thomas V. McGrath *Thomas V. McGrath*

FAA Form 337 (7-67) AUG - 6 1985 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

A Sunstrand Data Control Ground Proximity Warning System, computer P/N 965-0411-010, was installed on the aircraft. The installation was performed in accordance with the instructions of STC SA36NW.

The units were installed and inspected in accordance with Chapters 11 & 15 of FAA AC 43.13-1A and Chapter 10 of FAA AC 43.13-2A. EMI and RFI tests were performed. An electrical load analysis was performed with the results being negligible.

A flight test was conducted in accordance with Manufacturer's Document Number 060-0978-007. The system performed within all tolerences.

An FAA Approved Flight Manual Supplement was incorporated into the FAA Approved Flight Manual.

The aircraft Weight and Balance Report dated 6-1-84 was updated with a Supplement including a revised Equipment List.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1977—771-021/290

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION--FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N-979RA	GULFSTREAM G-1159B	151	TRANSPORT

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
6/4/84	RAY CORN	ACE-181A1 SAV-MISO

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

U.S. Government Printing Office — 1975-625-628

EFTA00278315

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 8-23-90



FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

No certificate may be issued unless a completed application form has been received (14 C.F.R.-21)

Form Approved
O.M.B. No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (Make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
N-979RA	GULFSTREAM	G-1159B	1974	3980110
5. AIRCRAFT SERIAL NO.	6. ENGINE BUILDER'S NAME (Make)	7. ENGINE MODEL DESIGNATION		54523
151	ROLLS ROYCE	SPEY MK 511-8		
8. NUMBER OF ENGINES	9. PROPELLER BUILDER'S NAME (Make)	10. PROPELLER MODEL DESIGNATION		11. AIRCRAFT IS: XXXXXXXXXXXX IMPORT
TWO	N/A	N/A		

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A [3] [X] STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) — [ ] NORMAL [ ] UTILITY [ ] ACROBATIC [X] TRANSPORT [ ] GLIDER [ ] BALLOON

B [ ] SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

- [2] LIMITED
- [1] PROVISIONAL (Indicate class) — [1] CLASS I; [2] CLASS II
- [3] RESTRICTED (Indicate operation to be conducted) — [4] AGRICULTURE AND PEST CONTROL; [5] FOREST (Wildlife conservation); [6] OTHER (Specify); [2] AERIAL SURVEYING; [3] AERIAL ADVERTISING; [5] PATROLLING; [8] WEATHER CONTROL
- [4] EXPERIMENTAL (Indicate operation(s) to be conducted) — [2] RESEARCH AND DEVELOPMENT; [3] AMATEUR BUILT; [4] RACING; [5] CREW TRAINING; [8] MKT. SURVEY; [9] TO SHOW COMPLIANCE WITH FAR
- [5] SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side) — [10] FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE; [12] EVACUATE FROM AREA OF IMPENDING DANGER; [13] OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT; [14] DELIVERING OR EXPORT; [5] PRODUCTION FLIGHT TESTING

C [8] [ ] MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration) — IF DEALER, CHECK HERE →

NAME	ADDRESS
OGDEN-AMERICAN CORP.	WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

[X]	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) A12EA REV. 15	[X]	AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) 82-11-02
[ ]	AIRCRAFT LISTING (Give page number(s)) N/A	[X]	SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) SEE ATTACHED LIST

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

[X]	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173	TOTAL AIRFRAME HOURS (Enter for used aircraft only) 3593.7 HRS.	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) 7.3 HRS.

D. CERTIFICATION — I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in acccordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
6/1/84	PATRICK J. LYNCH	Patrick J. Lynch

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

[ ] FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.) — [ ] CERTIFICATED MECHANIC (Give Certificate No.) — [X] CERTIFICATED REPAIR STATION (Give Certificate No.) 701-10

AIRCRAFT MANUFACTURER (Give name of firm): GULFSTREAM AEROSPACE CORPORATION

DATE	TITLE	SIGNATURE
6/1/84	QUALITY CONTROL MANAGER	Patrick J. Lynch

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VI meets requirements for: [X] THE CERTIFICATE REQUESTED [ ] AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

B. Inspection for a special flight permit under section VII was conducted by: [ ] FAA INSPECTOR [ ] CERTIFICATE HOLDER UNDER: [ ] FAR 65 [ ] FAR 121 OR 127 [ ] FAR 145

DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE
6/4/84	ACE-181A-1 SAV-MISO		RAY CORN

FAA Form 8130—6 (4-80) SUPERSEDES PREVIOUS EDITION

EFTA00278317

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- ☐ PRODUCTION CERTIFICATE *(Give production certificate number)*
- ☐ TYPE CERTIFICATE ONLY
- ☐ APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

☐ PILOT ☐ CO-PILOT ☐ NAVIGATOR ☐ OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

X	A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable	X	G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
	B. Current Operating Limitations Attached		H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
	C. Data, Drawings, Photographs, etc. *(Attach when required)*		I. Previous Airworthiness Certificate Issued in Accordance with
X	D. Current Weight and Balance Information Available in Aircraft	X	FAR 21.191 (b) CAR _____ *(Original attached)*
X	E. Major Repair and Alteration, FAA 337 *(Attach when required)*		J. Current Airworthiness Certificate Issued in Accordance with
X	F. This Inspection Recorded in Aircraft Records	X	FAR 21.183 (d) *(Copy attached)*

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

Not Subject to OMB Clearance

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF CONFORMITY

*IN PART THERE OF

SECTION I – AIRCRAFT

1. MAKE	2. MODEL
GULFSTREAM	G-1159B
3. SERIAL NO. 151	4. REGISTRATION NO. N-979RA

SECTION II – ENGINE

1. MAKE	2. MODEL
3. SERIAL NO.	

SECTION III – PROPELLER

1. MAKE	2. HUB MODEL
3. BLADE MODEL	4. HUB SERIAL NO.
5. BLADE SERIAL NOS.	

SECTION IV – CERTIFICATION

I hereby certify that:

[X] A. I have complied with Section 21.33(a).

[ ] B. The aircraft described above, produced under type certificate only (FAR 21 Subpart F), conforms to its type certificate, is in a condition for safe operation, and was flight checked on _____ (Date).

[ ] C. The engine or propeller described above, presented herewith for type certification, conforms to the type design therefor.

[ ] D. The engine or propeller described above produced under type certificate only (FAR 21 Subpart F), conforms to its type certificate and is in a condition for safe operation. The engine or, if applicable, the variable pitch propeller was subjected by the manufacturer to a final operational check on _____ (Date).

GULFSTREAM AEROSPACE CORPORATION DWG. NO. 1159-2500 REV. NO. D EO F1 (G.A.C. A.S.C. NO. 300 "GIIB WING MODIFICATION")

Deviations: NONE

SIGNATURE OF CERTIFIER	TITLE
PATRICK J. LYNCH	MANAGER QUALITY CONTROL
ORGANIZATION: GULFSTREAM AEROSPACE CORPORATION	DATE: 6/1/84

FAA Form 8130-9 (9-78) USE PREVIOUS EDITION

FAA AC 80-01131

EFTA00278319

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

INSTRUCTIONS

This form should be submitted to a representative of the Administrator under the following circumstances:

1. By the applicant for a type certificate or a supplemental type certificate at the time he presents an aircraft or parts thereof to the FAA for tests.

2. By the applicant for a type certificate or a supplemental type certificate for each engine or propeller submitted for type certification.

3. By the type certificate holder or licensee manufacturing products under a type certificate only, upon the initial transfer by him of the ownership of each product or upon application for the original issue of an aircraft airworthiness certificate, or an Airworthiness Approval Tag (FAA Form 8130–3).

This form should be completed as follows:

Section I. Aircraft. Complete the pertinent part of only this section when certification covers an aircraft or part thereof.

Section II. Engine. Complete this section when certification covers an engine.

Section III. Propeller. Complete this section when certification covers a propeller.

Section IV. Certification.

Item A. Check this block when an aircraft or part thereof is presented for flight or ground tests during type certification or supplemental type certification.

Item B. Check this block when the holder or licensee of a type certificate only, initially transfers the ownership of an aircraft manufactured under that type certificate, or applies for the original issuance of an airworthiness certificate.

Item C. Check this block when an engine or propeller is presented for type certification.

Item D. Check this block when an engine or propeller is presented for airworthiness approval and insert the date the product completed a final operational check.

The certification must be signed by an authorized person who holds a responsible position in the manufacturing organization.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

Attachment for Application for Airworthiness Certificate for G-IIB S/N 151 N-979RA

FAA Required AFM Supplements

S.T.C. NO.	Subject
1. SA 722 EA W/FMS	Safe Flight SCAT SYSTEM
2. SA 1057 SW W/FMS	IDC Sat/Tas Indicator
3. SA 1553 SW W/FMS	Collins INS 61-B
4. SA 1861 SW W/FMS	Sperry ADC 200 Altitude Computer and ALT PRESELECT SYSTEM
5. SA 1037 SW W/FMS	Interior Emergency lighting
6. SA 951 SW W/FMS	O_2 System (long range)
7. G-II B-82-001	Retractable Landing Lites Retain
8. G-II B-82-003	Six Panel Speed Brakes

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

Attachment for Application for Airworthiness Certificate for G-IIB S/N 151 N-979RA

Listing of Supplemental Type Certificate

S.T.C.	Subject
1. SA 722 EA W/FMS	Safe Flight SCAT System
2. SA 1057 SW W/FMS	IDC Sat/Tas Indicator with Rose Mount Probe and Collins FD-109-Y Flight Director System and Provisions for Flight data Recorder
3. SA 1553 SW W/FMS	Collins INS - 61-B
4. SA 1861 SW W/FMS	Sperry ADC-200 Altitude Computer and Alt Preselect System
5. SA 1037 SW W/FMS	Interior Emergency Lighting
6. SA 951 SW W/FMS	O_2 System, Long Range
7. SA 1193 SW	Weather Radar RT Mounting
8. SA 999 SW	(Provisions For) Collins AUR-101 Cockpit Voice Recorder.
9. SA 1918 SW	Jump Seat Installation
10. SA 2512 WE	Relocate APU Speed Logic Control Unit
11. SA 1613 SW	BKM Master Warning Interface
12. SE 994 EA	Oil Tank Sight Gage Float

EFTA00278323

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

EFTA00278324

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

Attachment for Application for Airworthiness Certificate for G-IIB S/N 151 N-979RA

Listing of FAA 337 FORMS

	Date Of Approval	Subject
1.	4/22/82	Incorp ASC 216 Speed Brake Flap Alarm In conjunction With BKM Lighted S/B Handle (STC SA 2366 SW) 1. Installed BKM Pitot Heat Monitor Per S.T.C. NO. 2. Modified Rudder Hinge Points For ASC 300 PER 1159CS25000 3. Repaired enter And Upper Hinge Points on Rudder Per 1159CS20092, 1159CSM 30080 Aand 1159CS20080
2.	4/9/81	Installed VLF/ADF Coupler For Coupling ADF Sense Ant To Existing VLF (TSO C-94)
3.	3/24/78	Repaired R/H Wing Structure Flap, and Gear Door Due to Tire Blow Out Per SC 1159CS806
4.	7/29/76	1. C/W AD 74-17-05 Reactivate Ground Splr System Per ASC 180 And Installed Ground Splr Inspector Window Per 1159RDF260 2. C/W Safe Flight "Speed Control Auto Throttle" Modification STC SA 722 EA Relocated Safe Flight Accelerometer Per 1159RDB343
5.	3/19/76	Installed Dual Collins NCS-31 System Wiring Per EAS DWG 180601 Structural Attachment I/A/W AC 43-13-1 Chapt 11
6.	3/14/75	Installation of complete Avionics Package (Wiring And Sheetmetal) 8 Pages
7.	3/14/75	Installed Interior Emergency Lighting System, Installed Page Gulfstream Jumpseat STC 1918 SW Installed Cabin Insulation, Relocated APU Speed Logic Control Per STC SA 2512 WE Installed BKM Master Warn Interface Unit Per STC SA 1613 SW. Installed Oil Tank Sight Gage Flout Per STC SA 994 EA
8.	3/12/75	Complete Interior Installation (10 pages) W/ Elec load analysis
9.	2/19/75	

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

EFTA00278326

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

CONT.

Attachment "C"
Page 2 of 2
Date 6/1/84

Attachment for Application for Airworthiness Certificate for G-IIB S/N 151 N-979RA

Listing of FAA 337 FORMS

	Date of Approval	Subject
10.	5/14/84	Rear Beam Repair Vert. Fin.
11.	5/12/84	A.S.C./C.B. Mods.
12.	5/31/84	A.S.C. 300/299, Paint
13.	5/10/84	Perm. Repair-Rudder Hinge

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

EFTA00278328

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

No certificate may be issued unless a completed application form has been received (14 C.F.R.-21)

Form Approved
O.M.B. No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS — Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (Make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
N-979RA	GULFSTREAM	G-1159B	1974	
5. AIRCRAFT SERIAL NO.	6. ENGINE BUILDER'S NAME (Make)	7. ENGINE MODEL DESIGNATION		
151	ROLLS ROYCE	SPEY MK 511-8		
8. NUMBER OF ENGINES	9. PROPELLER BUILDER'S NAME (Make)	10. PROPELLER MODEL DESIGNATION		11. AIRCRAFT IS:
TWO	N/A	N/A		XXXXXXXXXX | IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A [X] STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) — [ ] NORMAL [ ] UTILITY [ ] ACROBATIC [ ] TRANSPORT [ ] GLIDER [ ] BALLOON

B [X] SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

2 LIMITED

PROVISIONAL (Indicate class)
- [ ] CLASS I
- [ ] CLASS II

RESTRICTED (Indicate operation to be conducted)
- [ ] AGRICULTURE AND PEST CONTROL — [ ] 2 AERIAL SURVEYING — [ ] 3 AERIAL ADVERTISING
- [ ] FOREST (Wildlife conservation) — [ ] 5 PATROLLING — [ ] 6 WEATHER CONTROL
- [ ] OTHER (Specify)

4 [X] EXPERIMENTAL (Indicate operation(s) to be conducted)
- [ ] RESEARCH AND DEVELOPMENT — [ ] 2 AMATEUR BUILT — [ ] 3 EXHIBITION
- [ ] RACING — [ ] 5 CREW TRAINING — [ ] 6 MKT SURVEY
- [X] 0 TO SHOW COMPLIANCE WITH FAR

6 [ ] SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)
- [ ] 1 FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE
- [ ] 2 EVACUATE FROM AREA OF IMPENDING DANGER
- [ ] 3 OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT
- [ ] 4 DELIVERING OR EXPORT — [ ] 5 PRODUCTION FLIGHT TESTING

C [ ] 8 MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited," as applicable.)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on certificate of aircraft registration) — IF DEALER, CHECK HERE → [ ]

NAME	ADDRESS
OGDEN-AMERICAN CORP.	WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) N/A	AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) N/A
AIRCRAFT LISTING (Give page number(s)) N/A	SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) N/A

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173	TOTAL AIRFRAME HOURS (Enter for used aircraft only)	7 EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)
X	3586.00 HR.	N/A

D. CERTIFICATION — I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
5/16/84	ROY CHRISTIANSEN - AGENT	

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

2 FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)	3 CERTIFICATED MECHANIC (Give Certificate No.)	4 CERTIFICATED REPAIR STATION (Give Certificate No.)
9 AIRCRAFT MANUFACTURER (Give name of firm)		

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

A. I find that the aircraft described in Section I or VII meets requirements for:
- [X] THE CERTIFICATE REQUESTED
- [ ] AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

B. Inspection for a special flight permit under section VII was conducted by:
- [ ] FAA INSPECTOR
- [ ] CERTIFICATE HOLDER UNDER: [ ] FAA 65 [ ] FAR 121 OR 127 [ ] FAR 145

DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE
5/24/84	ACE 181A-1 SAV-MISO	Patrick J. Lynch DMIR PATRICK J. LYNCH ACE-1055	

FAA Form 8130—6 (4-80) SUPERSEDES PREVIOUS EDITION

EFTA00278329

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME 2\54\84 | ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS →

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [ ] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [X] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [ ] E. Major Repair and Alteration, FAA 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 8130-9 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [X] I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.183 (d) CAR _____ *(Original attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.191 (h) _____ *(Copy attached)*

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N-979RA	GULFSTREAM G-1159B	151	TRANSPORT

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

NONE

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION
6/4/84	RAY CORN	ACE-181A SAV-MISO

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7 67) FORMERLY FAA FORM 1362

U.S. Government Printing Office — 1975-675-585

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85



FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION — FEDERAL AVIATION ADMINISTRATION
SPECIAL AIRWORTHINESS CERTIFICATE

A	CLASSIFICATION: EXPERIMENTAL			
	PURPOSE: SHOW COMPLIANCE WITH FAR'S			
B	MANUFACTURER	NAME N/A SUBJECT TO PARA D (2)		
		ADDRESS N/A SEE REVERSE SIDE		
C	FLIGHT	FROM N/A		
		TO N/A		
D	N— 979RA		SERIAL NO. 151	
	BUILDER GULFSTREAM		MODEL G-1159B	
E	DATE OF ISSUANCE 5/24/84		EXPIRY 6/24/84	
	OPERATING LIMITATIONS DATED 5/24/84		ARE A PART OF THIS CERTIFICATE	
	SIGNATURE OF AUTHORIZED REPRESENTATIVE PATRICK J. LYNCH		DESIGNATION OR OFFICE NO. ONIR ACE 1055	

FEDERAL AVIATION ADMINISTRATION

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA FORM 8130-7 (3-69) SUPERSEDES FAA FORMS 1362-B; 8100-3; 8130-5 *SEE REVERSE SIDE*

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

A	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
B	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

A.S.C. 300, 299, PAINT REVISED 6/4/84 2 of 3 FAA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION MID-SOUTH FSDO 7-0-67

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN-AMERICAN CORP.	ADDRESS (As shown on registration certificate): WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P. O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/30/84	PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR		[ ] MANUFACTURER		[ ] INSPECTION AUTHORIZATION	OTHER (Specify)
	[ ] FAA DESIGNEE	[X]	[ ] REPAIR STATION		[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/31/84	701-10	PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67) (8320)

EFTA00278335

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

ACTT: 3586 ACTL: 488 LANDINGS

REF. GULFSTREAM AEROSPACE CORPORATION WORKORDER NO C02-151-084-2924

SECTION 1 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO.299 "45,000 FOOT OPERATING ALTITUDE".

NOTE: 1 - REF. ASC 299 "45,000 FOOT OPERATING ALTITUDE - CERTIFICATION

2 - REVISE WEIGHT AND BALANCE REPORT AND AIRCRAFT EQUIPMENT LIST AS DUE

3 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO.299 "45,000 FOOT OPERATING ALTITUDE"

NOTE: AIRCRAFT FLIGHT MANUAL SUPPLEMENT NO. G-II-81-02 (FAA APPROVED) PLACED IN OPERATOR AIRCRAFT FLIGHT MANUAL.

PRE-REQUISITES INSTALLED:

1.- GULFSTREAM AEROSPACE CORPORATION A AIRCRAFT SERVICE CHANGE NO. 114-AIR COND. AND STRUCTURE CABIN PRESSURIZATION 6000 FT. CABIN ALTITUDE AT 43,000 FEET, REWORK OF.

2 GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO. 122 "FUEL BOOST PUMP PROVISIONS FOR NEW MODEL".

3 FUEL BOOST PUMP P/N 1159SC011 INSTALLED.

4 ENGINE FUEL FLOW REGULATIONS (LEFT & RIGHT) P/N CASC174 OR LATER INSTALLED.

5 REF. GULFSTREAM AEROSPACE CORPORATION CUSTOMER BULLETIN NO. 302 "ENGINE ACCELERATION AND DECLERATION TIME TEST/ADJUSTMENT" - ENGINE ACCELERATION AND DECELERATION TIME CHECKS COMPLETED.

6 PLACARD P/N 1159B20283-11 INSTALLED.

7 FOLLOWING AIRCRAFT RECORDS REVIEWED:

(A) FAA FORM 337'S
(B) SUPPLEMENTAL TYPE CERTIFICATE
(C) CURRENT STATUS OF ALTIMETER CERTIFICATION
(D) WEIGHT AND BALANCE REPORT CURRENT STATUS

☒ ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

PAGE 2 of 2
FAA FORM 337
G-1159B PROD. NO. 151 N-979RA
DATED 5/31/84
CONT.

SECTION 2 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO. 300 "GIIB WING MODIFICATION" PER GULFSTREAM AEROSPACE CORPORATION TOP DRAWING NO. 115925000 REV. D.E.O. E4 & E7

SECTION 3 - A. PAINT EXTERIOR OF AIRCRAFT PER GULFSTREAM AEROSPACE CORPORATION DWG# SC 26505501

B. INSTALL GII LANDING LIGHT MOD. PER GULFSTREAM AEROSPACE CORPORATION DWG.# SE 21288001-01

C. INSTALL GIII RADOME PER GULFSTREAM AEROSPACE CORPORATION DWG.# 1159SCB206-B

D. INSTALL LIFELINE ATTACHMENT MOD. ON WING PER GULFSTREAM AEROSPACE CORPORATION DWG.# 1159RDF631

SECTION 4 BELOW LISTED GULFSTREAM AEROSPACE CORPORATION DRAWINGS APPLY.

DWG. NO.	SUBJECT
SE 25407101	REPAIR V. FIN R. BEAM
SE 23124043	DEV. TO ASC 231
SE 23322013	SP 506 DEV. AV 25006
SE 23104046	DEV. TO ASC 294
SE 21338006	DEV. AOA
SE 23132003	W.D. LDG. NUTCRACKER
SE 23127002	W.D. STALL BARRIER SYSTEM
SE 23139005	W.D. PILOTS C.B. PNL
SE 21199001-01	AVIONICS COOLING
SE 21486002-01	EMERGENCY LIGHTS
SE 21187001-01	LANDING LIGHTS/ID LIGHTS MOD.
SE 21433001-01	SPEED COMMAND
SE 21318004-01	AOA MOD.

NOTE: A.F.M.S. REQUIRED
G-IIB-82-001 RETRACTABLE LANDING LITES RETAIN
G-IIB-82-003 SIX PANEL SPEED BRAKES

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

A.S.C. 300, 299, PAINT

FAA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
7-0-2

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN-AMERICAN CORP.	ADDRESS (As shown on registration certificate): WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P. O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/30/84	PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/31/84	701-10	PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

ACTT: 3586 ACTL: 488 LANDINGS

REF. GULFSTREAM AEROSPACE CORPORATION WORKORDER NO CO2-151-084-2924

SECTION 1 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO.299 "45,000 FOOT OPERATING ALTITUDE".

NOTE: 1 - REF. ASC 299 "45,000 FOOT OPERATING ALTITUDE - CERTIFICATION

2 - REVISE WEIGHT AND BALANCE REPORT AND AIRCRAFT EQUIPMENT LIST AS DUE

3 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO.299 "45,000 FOOT OPERATING ALTITUDE"

NOTE: AIRCRAFT FLIGHT MANUAL SUPPLEMENT NO. G-II-81-02 (FAA APPROVED) PLACED IN OPERATOR AIRCRAFT FLIGHT MANUAL.

PRE-REQUISITES INSTALLED:

1 - GULFSTREAM AEROSPACE CORPORATION A AIRCRAFT SERVICE CHANGE NO. 114-AIR COND. AND STRUCTURE CABIN PRESSURIZATION 6000 FT. CABIN ALTITUDE AT 43,000 FEET, REWORK OF.

2 GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO. 122 "FUEL BOOST PUMP PROVISIONS FOR NEW MODEL".

3 FUEL BOOST PUMP P/N 1159SC011 INSTALLED.

4 ENGINE FUEL FLOW REGULATIONS (LEFT & RIGHT) P/N CASC174 OR LATER INSTALLED.

5 REF. GULFSTREAM AEROSPACE CORPORATION CUSTOMER BULLETIN NO. 302 "ENGINE ACCELERATION AND DECLERATION TIME TEST/ADJUSTMENT" - ENGINE ACCELERATION AND DECELERATION TIME CHECKS COMPLETED.

6 PLACARD P/N 1159B20283-11 INSTALLED.

7 FOLLOWING AIRCRAFT RECORDS REVIEWED:

(A) FAA FORM 337'S
(B) SUPPLEMENTAL TYPE CERTIFICATE
(C) CURRENT STATUS OF ALTIMETER CERTIFICATION
(D) WEIGHT AND BALANCE REPORT CURRENT STATUS

☐ ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

SECTION 2 - INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO. 300 "GIIB WING MODIFICATION" PER GULFSTREAM AEROSPACE CORPORATION TOP DRAWING NO. 115925000 REV. D.E.O. E4 & E7

SECTION 3 A. PAINT EXTERIOR OF AIRCRAFT PER GULFSTREAM AEROSPACE CORPORATION DWG.# SC 26505501

B. INSTALL GII LANDING LIGHT MOD. PER GULFSTREAM AEROSPACE CORPORATION DWG.# SE-21-288001-01

C. INSTALL GIII RADOME PER GULFSTREAM AEROSPACE CORPORATION DWG. # 1159SCB206-B .

D. INSTALL LIFELINE ATTACHMENT MOD. ON WING PER GULFSTREAM AEROSPACE CORPORATION DWG.# 1159RDF631

SECTION 4 BELOW LISTED GULFSTREAM AEROSPACE CORPORATION DRAWINGS APPLY.

DWG. NO.	SUBJECT
SE 25407101	REPAIR V. FIN R. BEAM
SE 23124043	DEV. TO ASC 231
SE 23322013	SP 50G DEV. AV 25006
SE 23104046	DEV. TO ASC 294
SE 21338006	DEV. AOA
SE 23132003	W.D. LDG. NUTCRACKER
SE 23127002	W.D. STALL BARRIER SYSTEM
SE 23139005	W.D. PILOTS C.B. PNL

NOTE: A.F.M.S. REQUIRED
G-IIB-82-001 RETRACTABLE LANDING LITES RETAIN
G-IIB-82-003 SIX PANEL SPEED BRAKES

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

EFTA00278342

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

PERM. REPAIR - RUDDER HINGE/VERT. FIN

FAA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
FTY-550
7-001

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN-AMERICAN CORP.	ADDRESS (As shown on registration certificate): WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: / MANUFACTURER:				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P. O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/12/84	PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR	[ ] MANUFACTURER	[ ] INSPECTION AUTHORIZATION	OTHER (Specify)
	[ ] FAA DESIGNEE	[X] REPAIR STATION	[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/14/84	701-10	PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

ACTT: 3586 ACTL: 488 LANDINGS

REF. GULFSTREAM AEROSPACE CORPORATION WORKORDER NO. CO2-151-084-2924

REPAIR VERTICAL FIN BEAM MIDDLE HINGE RIB ATTACHMENT PER G.A.C. DWG. NO. SE 2540710

NOTE:
THIS FAA FORM 337 SUPERCEDES F.A.A. FORM 337 (ITEM B) DATED 5/10/84

☐ ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

A.S.C. 1 of 3 FAA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
~~FTT350~~
7-0-01

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN-AMERICAN CORP.	ADDRESS (As shown on registration certificate): Westchester County Airport White Plains, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P. O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/11/84	PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/12/84	701-10	PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

ACTT: 3586 ACTL: 488 LANDINGS

REF. GULFSTREAM AEROSPACE CORPORATION WORKORDER NO. C02-151-084-2924

1. INCORP. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGES LISTED.

A.S.C. NO.	SUBJECT
282	LANDING GEAR-CARBON BRAKES INSTALLATION
256	63,300 POUND INCREASED GROSS WEIGHT MODIFICATION
175	EXHAUST-NOISE ABATEMENT PROGRAM THRUST REVERSER INSTALLATION
185 AMD 3&1	FLIGHT CONTROLS NORMALIZED ANGLE OF ATTACK INDICATION INSTALLATION OF
209	AUTO FLIGHT-INSTALLATION OF A SPLIT TRIM SWITCH
231	AUTOMATIC FLIGHT CONTROL SYSTEM-TRIM BRAKE MODIFICATION OF SP50G ELECTRIC TRIM BRAKE
299	45,000 FOO OPERATING ALTITUDE-CERTFICATION
300 & AMD. 1	WINGS-GIIB WING MODIFICATION
268	EXHAUST-THRUST REVERSER IMPINGEMENT DEFLECTOR INSTALLATION OF
208 (L/H & R/H)	POWERPLANT-PYLON ELECTRICAL JUNCTION BOX, MODIFICATION OF
203 AMD. 3 (L/H & R/H)	ELECTRICAL POWER-LOOSE GENERATOR WIRING ENGING JUNCTION BOX-MODIFICATION OF
201 AMD. 1&2	ELECTRICAL POWER-DC POWER SUPPLY SYSTEM PROTECTION-MODIFICATION OF TAIL JUNCTION BOX
270	LANDING GEAR-MAIN LANDING GEAR RESTRICTOR INSTALLATION OF
276 AMD. 1	FLIGHT CONTROLS-FUSELAGE CONTROL CABLE FAIRLEAD, REPLACEMENT OF

☐ ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

PAGE 2 of 2

FAA FORM 337
DATED 5/12/84
A/C MODEL G-1159B S/N 151 N-979RA

1. INCORP GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHNAGES LISTED

A.S.C. NO.	SUBJECT
278	LIGHTS-TAIL CONE LENS-REPLACEMENT OF
294 & AMD. 1	ELECTRICAL POWER-PC17A-1 "E" INVERTER CURRENT PROTECTION-MODIFICATION
292	AIR CONDITIONING-AIR CONDITIONING SHUTOFF VALVE INSTALLATION
309	NACELLES-PYLON COOLING BAFFLE

NOTE:

REVISE WEIGHT AND BALANCE REPORT PLUS AIRCRAFT EQUIPMENT LIST AS DUE

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

RUDDER REPAIR 3 of 3 FAA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
FTY FSDO
7-0-01

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.

1. AIRCRAFT	MAKE: GULFSTREAM	MODEL: G-1159B
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): OGDEN-AMERICAN CORP.	ADDRESS (As shown on registration certificate): WESTCHESTER COUNTY AIRPORT WHITE PLAINS, NY 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / **5. TYPE**

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: / MANUFACTURER:				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P. O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/9/84	PATRICK J. LYNCH Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR	[ ] MANUFACTURER	[ ] INSPECTION AUTHORIZATION	OTHER (Specify)		
	[ ] FAA DESIGNEE	[X] REPAIR STATION	[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT			

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
5/10/84	701-10	PATRICK J. LYNCH Patrick J. Lynch

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

PRESENT ACTT 3586 HRS. ACTL 488 LANDINGS

REF. NO. 1 - GULFSTREAM AEROSPACE CORPORATION WORKORDER NO C02-151-081-2588
NO. 2 - F.A.A. FORM 337 DATED 9 APRIL 1981
NO. 3 - ACTT 2741.5 HR. ACTL 1617 LANDINGS
NO. 4 - PRESENT GULFSTREAM AEROSPACE CORPORATION WORKORDER NO. C02-151-084-2924

A. INSTALLED BKM PITOT HEAT MONITOR MOD. PER S.T.C. NO. SA 2907 SW PER REFERENCE NO. 1.

B. REPAIRED CENTER AND UPPER RUDDER HINGE FITTNGS PER GULFSTREAM AEROSPACE CORPORATION DWG. NO. 1159CS20092, 1159CSM30080, AND 1159CSM20080,

REF. GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGE NO. 300 "GIIB WING MODIFICATION" MODIFIED RUDDER HINGES PER GULFSTREAM AEROSPACE CORPORATION DWG. NO. 1159CS5000 PER REFERENCE NO. 1&2 AT ACTT & ACTL LISTED AS REFERENCE NO. 3..

☐ ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

FAA

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MAY 5 1982
SO-GADO-7

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION ATC GA00 7-001

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.

1. AIRCRAFT	MAKE: Gulfstream	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: U.S.A. N-979RA
2. OWNER	NAME (As shown on registration certificate): Ogden - American Corporation	ADDRESS (As shown on registration certificate): Westchester County Airport White Plains, New York 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: / MANUFACTURER:				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Gulfstream American Corporation P. O. Box 2206 - Travis Field Savannah, Georgia 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
21 April 1982	Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
22 April 1982	701-10	Patrick J. Lynch

FAA Form 337 (7-67)

(8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3N DATE: 3-27-85

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

ACTT: 3077.00 Hrs. - ACTL: 1833 Landings

Reference Gulfstream American Corporation Work Order No. C02-151-082-2079

Incorporated Gulfstream American Corporation Aircraft Service Change No. 216 "Speed Brakes with Flaps and/or Landing Gear - Additional Warning" in conjunction with (S.T.C. SA 2366SW) BKM Lighted Speed Brake Handle Mod.

- E N D -

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA Copy

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION DAL GADO
2-1-82

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: N-97?RA
2. OWNER	NAME (As shown on registration certificate): Ogden American Corporation	ADDRESS (As shown on registration certificate): 277 Park Lane, New York, New York 10017

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / **5. TYPE**

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
D.L. Coppinger 3628 Woodleigh Drive Dallas, Texas 75229	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	A&P 503269

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 24, 1978	D.L. Coppinger

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 [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE		REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 24, 1978	A&P503269	D.L. Coppinger

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed the following:

VLF/ADF Coupler, GNS 500A P/N 11305-2 S/N 120 Weight 1.5 2 Lbs., for coupling ADF sense antenna to existing VLF. This unit is T.S.O. C94 approved.

This Coupler installed on a rack, attached between bulkheads, between fuselage stations 539.750 and 556.0 in upper fuselage.

Coupler rack fabricated of 2024T3 aluminum, .063 in thickness, and dimensionally 2.75 X 14.0" with .025 flangs bent up for strength. Rack attached by four (4) each No. 8 aircraft screws and nuts.

The Coupler attached to above rack by four (4) each aircraft screws/nuts as provided for by the equipment manufacturer. Coupler location is approximately 6.0" from original antenna connection.

Weight & Balance change is negligible.

This installation made in accordance with FAA AC 43.13-1A Chapter 11 & 15 as guidelines for wire routing, clamping and installation in general, and 43.13-2A Chapter 3, with structural testing of equipment per Chapter 1.

Operational test was satisfactory.

----------END----------

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MAR 29 1978
FAA - DALLAS
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☐ ADDITIONAL SHEETS ARE ATTACHED

★1975-G.P.O.-1703-M/673-200/175

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RECEIVED JUL 27 1976
SO-GADO-1

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
ATL: GADO
SO-01

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

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: ~~N979RA~~ 979RA
2. OWNER	NAME (As shown on registration certificate): Ogden-American Corporation	ADDRESS (As shown on registration certificate): Hangar D Westchester County A/P White Plains, New York 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: Flap assembly MANUFACTURER: Grumman	1159C200005-2	151- R/H	X	

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Grumman American Aviation Corporation P.O. Box 2206 - Travis Field Savannah, Georgia 31402	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
20 July 1976	Patrick J. Lynch Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						
	[ ]	FAA FLT. STANDARDS INSPECTOR	[ ]	MANUFACTURER	[ ]	INSPECTION AUTHORIZATION
	[ ]	FAA DESIGNEE	[X]	REPAIR STATION	[ ]	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
21 July 1976	701-10	Patrick J. Lynch Patrick J. Lynch

FAA Form 337 (7-67) GPO : 1972 O 473-509 (8320)

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FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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10-09

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Below listed repairs were completed at Grumman American Aviation Corporation, Savannah, Georgia. Pertinent details on this maintenance are on file at this facility (Certified Repair Station No. 701-10) under work order No.C-02-151-076-670 & 669 dated 7-9-76.

REPAIRS

Repairs to R/H wing structure, flap and R/H gear door due to tire blow out.

1. Repaired R/H flap per G.A.A.C. approved Engineering drawing #SC-1159-CS-806.
2. Replaced R/H landing gear door P/N 1159W20400-1 S/N ON S-3.
3. Repaired R/H wing T.E. box area per G.A.A.C. Commerical Minor Discrepancy Repair Manual.

= END =

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 6-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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MAR 27 1976
SO-GADO-1

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060 1

FOR FAA USE ONLY
OFFICE IDENTIFICATION GADO 7-0-01

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.

1 AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: ~~N979BA~~ 979RA
2. OWNER	NAME (As shown on registration certificate): Ogden-American Corporation	ADDRESS (As shown on registration certificate): Hangar D Westchester County airport White Plains, New York 10604

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE REPAIR	5. TYPE ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Grumman American Aviation Corporation P.O. Box 2206 - Travis Field Savannah, Georgia 31402	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	701-10

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
19 March 1976	Patrick J. Lynch Patrick J. Lynch

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 [X] APPROVED [ ] REJECTED

BY						OTHER (Specify)
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION
		FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
20 March 1976	701-10	Patrick J. Lynch Patrick J. Lynch

(8320)

FAA Form 337 (7-67)

GPO : 1972 O - 475-508

EFTA00278359

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Alterations completed per Grumman American Aviation Corporation Work Order No. C-02-151-076-527 dated 9 March 1976.

References:

a. 1. Airworthiness Directive 74-17-05 "Reactivate ground spoiler system"

2. Grumman American Aviation Corporation Service Change No. 180 Amendment #1 & #2 "Reactivate ground spoiler system".

3. Safe-flight "Speed Control Automatic Throttle" modification F.A.A. S.T.C. No. "SA722EA".

Relocated "Safe-flight" accelerometer in main gear wheel well area per drawing #1159RDB343 due to incorporation of Service Change #180 "Reactivate ground spoiler system".

NOTE: Safe-flight recommended alignment check complied with.

b. Installed "Ground spoiler Manual deactivation valve inspection window" per Grumman American Aviation Corporation engineering approved drawing #1159RDF260.

Ref: Service Change #180 "Reactivate ground spoiler system".

- END -

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FEDERAL AVIATION AGENCY

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION: DAL GADO 2-1-02

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: N979RA
2. OWNER	NAME (As shown on registration certificate): Ogden American Corp.	ADDRESS (As shown on registration certificate): 277 Park Avenue, New York, New York 10017

3. FOR FAA USE ONLY

The ~~Data~~ Alteration identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in PAR. 43.7.

3-17-75 (Date) — FAA Inspector, SW-GADO-2 (DAL)

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

RECEIVED MAR 18 1975 FAA-DALLAS GADO

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Executive Aircraft Service Redbird Airport P. O. Box 24889 Dallas, Texas 75224	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	RS 3834 Radio and Airframe

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 14, 1975	Charles E. Ethridge

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 Agency and is ☒ APPROVED ☐ REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 17, 1975	RS 3834	Charles E. Ethridge

FAA Form 337 (1-65) OBSOLETE PREVIOUS EDITION 0052-025-8000 (8320)

FA- AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Installed dual Collins NCS-31 systems consisting of the following:

2 each Collins NCS-31 Control Display Units
2 each Collins 339R-1 Progress Remote Readout Units
2 each Collins 899P-1 Radio Adapter Units
1 each Collins 339R-7 Remote Readout Unit
1 each Collins 339R-8 Remote Readout Unit
1 each Collins 339R-10 Remote Readout Unit
1 each Collins 339R-11 Remote Readout Unit
1 each Collins 339R-12 Remote Readout Unit
1 each Collins 913Y-1 Mode Selector

The two NCS-31 control, 339R-8 RRU, 339R-10 RRU, 339-R-12 RRU and 913Y-1 MSU are installed in the center console. The 339R-1 PRRU's, 339R-7RRU and 339R-11 RRU are installed in the instrument panel glare shield. The two 899P-1 radio adapters are installed on the top shelf of the radio compartment at F.S. 140. The systems are wired per EAS drawing 180601.

NOTES:

1. **Wiring installed by Executive Aircraft Service, Inc. conforms to MIL-W-5086 or MIL-W-16878 and is installed in accordance with AC 43.13-2, chapter 2 and AC43.13-1, chapter 11.**

2. **All structural attachments and installations performed by Executive Aircraft Service are in accordance with applicable sections AC 43.13-2.**

3. **These systems are approved under the following TSO's: C34c, C36c, C37b, C38b, C40a, C41c, C66a and C74c.**

4. **This equipment has been certified as meeting the accuracy requirements of AC90-45, reference FAA letter ACE-213/8110-6-1 project Z4030CE.**

5. **Operational and accuracy checks were conducted with the equipment installed in the aircraft for compliance with AC90-45 appendix A paragraph 3C.**

☒ ADDITIONAL SHEETS ARE ATTACHED

EFTA00278364

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

Ogden American Corp.
277 Park Avenue
New York, New York 10017

ATTACHMENT TO FAA FORM 337 dated March 17, 1975.

6. The NCS-31 RNAV systems are approved for IFR enroute and approach categories and is placarded as follows.

"Area navigation use approved for IFR enroute and approach categories. Refer to Collins pilot guide for the NCS-31 RNAV system for operating information."

7. The aircraft was weighed and a new empty weight and E. W. C. G. established.

---END---

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FEDERAL AVIATION AGENCY

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION GADO 2102

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: N979RA
2. OWNER	NAME (As shown on registration certificate): Ogden American Corporation	ADDRESS (As shown on registration certificate): 277 Park Avenue, New York, New York 10017

3. FOR FAA USE ONLY

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	B. KIND OF AGENCY	C. CERTIFICATE NO.
Executive Aircraft Service Division of Cooper Airmotive P.O. Box 24889 Dallas, Texas 75224	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	RS 3834 Radio and Airframe

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 14, 1975	Charles E. Ethridge

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 Agency and is [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR		[ ] MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	[ ] FAA DESIGNEE	[X]	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 14, 1975	RS 3834	Charles E. Ethridge

FAA Form 337 (1-65) OBSOLETE PREVIOUS EDITION 0052-026-8000 (8320)

EFTA00278367

FAA AIRCRAFT REGISTRY
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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.

8. 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 three (3) VHF communications transceivers. Two of the units are Collins VHF-20B transceivers installed on the top shelf of the electronics compartment at F.S. 153. These two units function as the primary VHF communications system. The third is a Collins VHF-20B transceiver installed on the second shelf of the radio compartment at F.S. 170. This unit functions as a standby VHF system. The mounts for these units are attached to the shelf channels with four (4) each NAS 517-2 screws and anchor nuts. The two primary transceivers are controlled by dual Collins NCS-31 systems installed in the center console. The third transceiver is controlled by a Gables VC series control. Existing GAEC installed antennas are utilized with No.1 and No. 3 transceivers sharing a common antenna. System wiring is shown on EAS drawings 180606 and 180607.**

2. **Installed an H. F. communications system consisting of the following:**

   1 each Collins 618T-3B Transceiver
   1 each Collins 490S-1 Coupler
   1 each 714E-6B Control

   The transceiver is installed at F.S. 139 on shelf No. 2 of the forward radio compartment. The coupler is installed per EAS drawing 680083 in the tail compartment at F.S. 682. The coupler installation is approved by DER SW 167 Walter T. Clark on FORM 8110-3 dated 6-29-73. Complete wiring and mounting provisions for a second H.F. system were also installed. Both systems will utilize the G.A.C. installed H. F. antenna. These systems are wired per EAS drawings 180454 and 180455.

3. **Installed dual Collins VIR-30 VOR/ILS receivers and 699Z-1 RMI drivers. The receivers are located on the top shelf of the radio compartment at F.S. 158. They are installed in a dual mount attached to the shelf channels with four (4) NAS 517-2 screws and anchor nuts. The RMI drivers are located at F.S. 178 on the top shelf. They are attached with four (4) AN 526-632 screws and anchor nuts per unit. The receivers are controlled by dual Collins NCS-31 systems. System wiring is shown on EAS drawings 180602 and 180603. The Grumman installed VOR/LOC, glideslope and marker antennas are used for this installation.**

☒ ADDITIONAL SHEETS ARE ATTACHED

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277 Park Avenue
New York, New York 10017

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4. Installed dual Collins 51Y-7 ADF receivers and two Collins 137A-6A loop antennas. The two receivers are located at F.S. 546 below the baggage compartment floor. The receiver mounts are attached to two (2) .063 2024T3 aluminum hat sections using four (4) NAS 221 screws and anchor nuts per mount. The hat sections are attached to the cabin floor panel using eight (8) NAS 221 screws and P104D10-10/ S104D1032-08 Delron fittings in the inboard channel and six (6) in the outboard channel. One loop antenna is GAEC installed. The second loop antenna is installed in accordance with EAS drawing 680002 which is approved on FAA Form 8110.3 dated 10-31-69 and signed by DER SW-167 Walter T. Clark. The top GAC installed sense antenna is used for system No. 1 and the skeg sense antenna for ADF-2. The dual ADF systems are wired in accordance with EAS drawings 180610 and 180611. Both systems are controlled by the Collins NCS-31 systems.

5. Installed dual Collins DME-40 interrogators on the top shelf of the electronics compartment at F.S. 145. The dual mount for these units is attached to the shelf channels with four (4) NAS 517-3 screws and anchor nuts. Dual Collins 339F-12 distance/ground speed indicators are installed on the instrument panel using MSP 9963 clamps. The existing GAEC installed Collins 237Z-1 antennas at F.S. 172 and 228 are used for this installation. The DME systems are wired in accordance with EAS drawings 180604 and 180605.

6. Installed dual Collins TDR-90 transponders using the dual Collins NCS-31 systems for control. The transponders are installed on the top shelf of the electronics compartment at F.S. 150. The dual mount for these units is attached to the shelf channels with four (4) NAS 517-2 screws and anchor nuts. The existing GAEC installed antenna at F.S. 562 is used for No. 2 ATCT. A New Collins 237Z-1 antenna installed at F.S. 515 is used for No. 1 ATCT. This antenna is installed in accordance with EAS drawing 680061 dated 10-21-72. The dual transponder systems are wired in accordance with EAS drawing 180600.

7. Installed dual Collins ALT-50 radio altimeter systems consisting of the following:

   2 each Collins ALT-50 Transceivers
   2 each Collins 339H-4 Indicators
   2 each Collins 437X-1 Antennas
   2 each Collins 437X-1A Antennas

   One R/T unit is installed in the electronics compartment at F.S. 170. The mount for this unit is attached to the shelf channels with four (4) NAS 517-2 screws and anchor nuts.

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7. (Cont'd)

The second R/T unit is installed at F.S. 550 R.H. side below the baggage compartment floor. The unit mount is attached to the hat sections of Item 4 above with four (4) NAS 517-2 screws and anchor nuts. The 437X-1A antennas are installed at F.S. 213 and F.S. 238 on GAC installed mounts. The 437X-1 antennas are installed per EAS drawing 680074 dated 1-4-73 and approved by DER Walter T. Clark on Form 8110.3 dated 3-7-73. The indicators are clamp mounted on the pilot's and co-pilot's instrument panels using MSP 9963 clamps. The radio altimeter systems are wired per EAS drawing 180542.

8. Installed an Aero Electronics Development Pointer II Automatic emergency locater beacon at F.S. 682 inside the fairing at the base of the vertical stabiliser. The installation is accomplished in accordance with EAS drawing 680066.

9. Installed a J.E.T. AI-804 JG Standby Horizon and PS-823B power Supply. The horizon is installed in the instrument panel glareshield panel on the aircraft center line. The aircraft frame in this area was modified in accordance with EAS drawing 680060 dated 10-21-72 and is approved on FAA Form 8110.3 dated 10 November 1972 and signed by DER SW-167 Walter T. Clark. The power supply is installed at F.S. 165 on shelf No. 2 of the radio compartment. The system is wired in accordance with EAS drawing 180628.

10. Installed a second Sperry VG-311 vertical gyro using existing GAC mounting provisions in the main wheel well area. The system is wired per EAS drawing 180599 and includes attitude switching. The attitude system is a part of STC SA 1553SW.

11. Installed a Motorola NA-135 Selcal Decoder on shelf No. 3 of the electronics compartment at F.S. 155. The mount for this unit is attached to the shelf equipment mounting channels using four (4) each NAS 517.2 screws and anchor nuts. System wiring is shown on EAS drawing 180456.

12. Installed a cockpit audio system consisting of one each Smith M-1035 YL and M-1035 YR audio selector/amplifier panels and two (2) each Jensen C6T3 speakers. The two audio panels are installed on either side of the center console. The two speakers are installed in the cockpit overhead per EAS drawing 680006. The system is wired per EAS drawing 180663.

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13. Installed a cabin paging and electronic chime system consisting of a Collins 346D-1B paging amplifier and ten (10) each Jensen C6T3 speakers. The amplifier is installed on shelf No. 2 of the electronics compartment at F.S. 161. The speakers are installed and approved as a part of the interior installation. A Jensen C4T8 speaker is also installed in the lavatory for paging. This system is wired in accordance with EAS drawing 180660.

14. Installed a cabin entertainment system consisting of a Craig 3129 stereo tape player and Genave PSI-1 24 VDC to 12 VDC converter. The tape player and radio are installed in a cabin interior cabinet at F.S. 310 L. H. side. The cabinet installation and tape player and radio mounting are approved as a part of the interior installation. System wiring is shown on EAS drawing 180657.

15. Installed a Collins 54W-1C Comparator Monitor system. The monitor is located on the top shelf of the radio compartment at F.S. 161. The mount for this unit is attached to the shelf equipment channels with four (4) each NAS 517-2 screws and anchor nuts. The 914G-1 comparator warning controller is located in the center console forward of the power levers. System wiring is shown on EAS drawing 180623.

16. Installed VHF NAV and compass switching systems as detailed on EAS drawings 180597 and 180533. The transfer relays for these systems are installed on an aluminum hat section located at F.S. 177 on the shelf No. 2 of the avionics compartment. The control switches are located on either pilot's instrument panel.

17. Installed IDC 575-25850-309 MACH/Airspeed indicators for the pilot and co-pilot. These indicators are approved to TSO C-46 and have range and markings appropriate to the G-1159 speed limitations. The instruments are clamp mounted in the L. H. top position of the basic "T" on each pilot's flight instrument panel using MSP 9963 clamps. The existing pitot/static air lines are connected to the indicators. System wiring is shown on EAS drawing 180417.

18. Installed dual Sperry 2594620-908 servoed altimeters. The instruments are clamp mounted in the R.H. top position of the basic "T" on each pilot's panel. The pilot's altimeter is driven by the Sperry 2587400-844 air data computer and the co-pilot's altimeter by the Sperry ADC-200 altitude computer. These altimeters are approved to TSO C9 and C10b and have a maximum range of 50,000 feet. System wiring is shown on EAS drawings 180608 and 180609.

19. Installed an Aero Mechanism 8047-10 pneumatic altimeter on the engine instrument panel. This altimeter is approved on TSO C10b and is used as a back-up to the servoed altimeters.

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20. Installed dual Davco 811B digital clocks, one located on the outboard side of each pilot's panel.

21. Installed dual Teledyne Model D6HL IVSI indicators approved to TSO C8B. The instruments are clamp mounted on both pilot's flight instrument panels and are connected to existing static lines.

22. Installed a Lear Avia 800134F synchroscope on the L.H. engine instrument panel. System wiring is shown on EAS drawing 180582.

23. Relocated TVI indicator and selector switch from overhead panel to engine instrument panel. Relocated C.A.T. indicator from main instrument panel to overhead panel.

24. Removed the existing Bendix 39B153-1-A instrument inverter and replaced with a Flitetronics PC-17A. This change increases instrument inverter bus capacity from 500VA to 750 VA. The inverters are approved to the same TSO. Wiring modifications are shown on EAS drawing 180470.

25. Installed a wire routing trough along the inboard edge of the R.H. cockpit side console. Installation is shown on EAS drawing 680016.

26. Removed Grumman installed electronics junction box and replaced it with a smaller junction box in the top section of the radio compartment. The new box is constructed using .040 2024T3 aluminum panels picking up the Grumman installed fasteners. Deutsch terminal blocks are mounted on the new panels.

27. Installed an auxiliary electronic compartment blower on shelf No. 4 at F.S. 159. The blower is a Joy Mfg. Co. Model AVR-45-30D714 P/N X702-137B. The blower is wired in accordance with EAS drawing 180429.

28. Installed an Airpathe CB2100-T6D magnetic compass in the GAC installed compass mount.

29. Installed a Bendix RDR-1200 weather radar system consisting of the following:

    1 each Bendix RT-1201A R/T
    1 each Bendix IN-1202A Indicator
    1 each Bendix DA-1203A Antenna Drive
    1 each Bendix AA-1218A Phased Array (18")

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ATTACHMENT TO FAA FORM 337 dated March 14, 1975

The antenna drive and phased array are attached to the existing GAC installed antenna mount at F.S. 40. The R/T unit is attached to a shelf installed per STC SA1193SW at F.S. 36. The indicator is installed in the center instrument panel. The system is wired per EAS drawing 180495.

30. Installed dual Collins FD-109Y flight director systems consisting of the following:

2 each Collins 329B-8Y Flight Director Indicators
2 each Collins 331A-9G Course Indicators
2 each Collins 161E-2A Mode Coupler
2 each Collins 562A-5M Computers
2 each Collins 614E-22B Remote Controls
2 each Collins 614E-23R Mode Selectors
2 each Collins 345A-7 Turn Rate Sensors

This system is installed in accordance with STC SA1057SW except that the remote instrument amplifier is eliminated and all servo amplifiers incorporated in the later model instruments. The wiring variations are in accordance with manufacturers required equipment interconnect. Collins Radio Company pilot's guide for the FD-109Y/FD-109Z integrated flight system is a required part of this installation. System wiring is shown on EAS drawings 180658 and 180659.

31. Installed a radio master system wired in accordance with EAS drawing 180581. The master relay is installed on the outboard side of shelf No. 2 of the radio compartment at F.S. 160. A master switch is installed on the aft end of the center console with an override switch on the co-pilot circuit breaker panel.

32. Installed a Flitetronics PC-16-3 115VAC 60 Hz static inverter on the cabin floor panel at F.S. 579 below the aft baggage sub-floor. This inverter provides power for the cabin 60 Hz AC system.

33. Installed mode annunciator system for the autopilot on each pilot's instrument panel.

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Ogden American Corporation
277 Park Avenue
New York, New York 10017

ATTACHMENT TO FAA FORM 337 dated March 14, 1975

34. Installed a Global GNS-500 VLF navigation system consisting of the following:

1 each Global 10050-1 RCU
1 each Global 10060-2 CDU
1 each Global 10045-1 OEU
1 each Global 10085-1 Antenna

The RCU and CEU are installed on the third shelf of the radio compartment at F.S. 170. The ant. is installed at F.S. 139 per EAS drawing 680086 and is approved by DER SW 167 Walter T. Clark on FORM 8110.3 dated May 3, 1974. This system is wired per EAS drawing 180598 and is installed on a "NO HAZARD" basis and is placarded as follows:

FLIGHT OPERATIONS NOT TO BE PREDICATED UPON USE OF THE GNS-500 VLF SYSTEM

The following installations were accomplished in accordance with STC data:

1. Installed a Safe Flight SCAT system in accordance with STC SA722EA. Flight Manual Supplement dated 5-5-72 inserted in AFM. A Safe Flight 6002-1 approach indexer control and two 965-0113-003 indexers were added to the SCAT system fast/slow output to provide a heads up display of the flight director fast/slow indicator. The indexer control is installed on shelf No. 1 of the electronics compartment at F.S. 169.

2. Installed Grimes P/N 34-0303-5 strobe light kit in accordance with FAA approved Grimes List No. 34-1000.

3. Installed an IDC 18295B SAT/TAS Indicator with a Rosemount 102AJ1AF probe in accordance with STC SA1057SW. Flight Manual Supplement dated 10-29-69 inserted in AFM.

4. Installed a Collins INS-61B inertial navigation system in accordance with STC SA1553SW. Flight Manual Supplement dated 11-15-72 inserted in AFM.

5. Installed Sperry ADC-200 altitude computer and 2593564-910 altitude preselect system in accordance with STC SA1861SW. Flight Manual Supplement dated 3-26-74 inserted in AFM.

6. Installed provisions for a Collins AVR-101 Cockpit Voice Recorder in accordance with STC SA999SW.

7. Installed provisions for a United Control F-542 Flight Data Recorder in accordance with STC SA1057SW.

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Ogden American Corporation
277 Park Avenue
New York, New York 10017

ATTACHMENT TO FAA FORM 337 dated March 14, 1975

NOTES:

1. Wiring installed by Executive Aircraft Service, Inc., for the above systems conforms to MIL-W-5086 or MIL-W-16878 and is installed in accordance with AC 43.13-1, Chapter 11 and AC 43.13-2, Chapter 2.

2. All structural attachments and installations required for the above systems are in accordance with applicable sections of AC 43.13-2.

3. All instrument installations are in accordance with AC 43.13-2, Chapter 11.

4. A functional check of the equipment listed on this form has been performed in accordance with FAR 25.1301 and has operated satisfactorily and did not affect any other aircraft system adversely.

5. The aircraft was weighed and a new empty weight and C.G. established.

6. A new electrical load analysis was made for this aircraft.

7. Checked the altitude reporting system in accordance with FAR 91.36 (b) and AC 20-58A.

-END-

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W.O. 6215

FAA

FEDERAL AVIATION AGENCY

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

Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION DAL GADO
SW-GADO-2 2-1-02

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: 979RA
2. OWNER	NAME (As shown on registration certificate): Ogden American Corporation	ADDRESS (As shown on registration certificate): 277 Park Avenue, New York, New York 10017

3. FOR FAA USE ONLY

The ~~alt~~/alteration identified herein complied with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.

2-20-75 (Date) — FAA Inspector, SW-GADO-2 (DAL)

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Cooper Airmotive, Inc. Executive Aircraft Service Div. Redbird Airport Dallas Texas 75232	U.S. CERTIFICATED MECHANIC	RS 3834 Airframe Limited Ratings
	FOREIGN CERTIFICATED MECHANIC	
	X CERTIFICATED REPAIR STATION	
	MANUFACTURER	

D. 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: February 19, 1975

SIGNATURE OF AUTHORIZED INDIVIDUAL: Gaston D. Alexander
Gaston D. Alexander

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 Agency and is ☒ APPROVED ☐ REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 12, 1975	RS3834	Gaston D. Alexander Gaston D. Alexander

FAA Form 337 (1-65) OBSOLETE PREVIOUS EDITION 0052-025-8000 (8320)

EFTA00278383

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

a. **Completed interior installations and service equipment in accordance with drawings listed on drawing list #386789 (1 Sheet) dated 2-6-75, Structural approval and approval of oxygen system deviations is FAA Form #8110-3 dated 19 Feb. 1975 by DER SW-167, Walter T. Clark, Jr.**

b. **Installed electrical circuits as shown on drawing #386525 (47 Shts) dated 7-23-71 in accordance with advisory circular #AC43-13-1, Chapter 11, section 2,3,4,5, & 7.**
The total DC electrical load increase on this aircraft by the above circuits is 56.15 amps. The total DC load, less radio and electronics is 330.48 amps. The aircraft is equipped with two (2) 300 amp generators.
Functional check of all items installed as shown on this FAA 337 Form had no adverse effect on other systems in this aircraft.
The electrical circuits installed to meet the intent of 4b.606 (a) & (b) and 4b.615 (a) (b) (c).

c. **Weighed the aircraft and computed EW and EWCG and prepared a sample zero fuel weight loading in accordance with Grumman Weight & balance report #T-1159B for aircraft S/N 151.**

d. **Made emergency lighting check in accordance with AC20-36A dated 2-8-66.**

e. **Trim and interior materials used in this installation meet the flame resistant requirements of 4b.381 (b).**

f. **The baggage compartment is lined with fire-resistant material to meet the requirements of 4b.383 (b) (4).**

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MAR 1 1 '75
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☐ ADDITIONAL SHEETS ARE ATTACHED

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FAA AIRCRAFT REGISTRY
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 19 Feb. 1975

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Grumman	G1159	Airplane	Cooper Airmotive Inc. Executive Aircraft Service Div.

LIST OF DATA

IDENTIFICATION	TITLE
386403 (2 Shts)	Headliner support structure. (11-26-69)
386776 (2 Shts)	Ledge and side panel structure. (11-20-74)
386507 (Shts 1&2)	Air duct support structure (5-24-71)
386409 (Shts 3,4,&5)	Air ducts and reading lights (12-3-69)
386687 (1 Sht)	Air duct deviation. (1-12-74)
386676 (I Sht)	Speaker brackets (12-15-73)
386640 (1 Sht)	Blkhd. retainer FS181 LH. (4-30-73)
386627 (2 Shts)	Blkhd. retainers FS200 LH & RH. (3-14-73
386586 (1 Sht)	Bulkhead retainers FS496 (11-20-72)
386779 (1 Sht)	FS181 Bhd. LH (11-26-74)
386780 (1 Sht)	FS200 Bulkhead LH (11-26-74)
386781 (1 Sht)	Bulkhead FS452 L&R. (11-27-74)
386778 (1 Sht)	Bulkheads L&R FS496. (11-26-74)
386132 (Sht 6)	Bulkhead Patterns (11-26-68)
286777 (4 Shts)	Crew service compartment. (11-9-74)
386643 (1 Sht)	Wire routing double installation. (5-12-73)
386680 (1 Sht)	Aft cabin door frame at baggage. (12-27-73)
386684 (2 Shts)	Aisle doors. (1-9-74)
386636 (1 Sht)	Fold up desk. (4-23-73)
386786 (1 Sht)	Divan fwd. arm cabinet LH. (1-28-75)
386774 (3 Shts)	Service cabinet LH. (11-11-74)
386701 (1 Sht)	Game table installation (2-5-74)
386791 (1 Sht)	Chair track installation (2-11-75)

PURPOSE OF DATA

To install interior items for Field Approval.

APPLICABLE REQUIREMENTS (List specific sections)

4b.200(a), 4b.201, 4b.210(a), 4b.211, 4b.260, 4b.306, 4b.307(c) 4b.358, 4b.359, 4b.362, 4b.381, 4b.382, 4b.651 (b) (3).

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 1 of 3 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore
- [ ] Recommend approval of these data
- [X] Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Walter T. Clarkson	SW-167	Structural and Oxygen systems.
FAA ORIGINAL		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

GPO 901-613

EFTA00278385

FAA AIRCRAFT REGISTRY
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FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 19 Feb. 1975

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Grumman	G1159	Airplane	Cooper Airmotive Inc. Executive Aircraft Service Div.

LIST OF DATA

IDENTIFICATION	TITLE
386720 (1 Sht)	Power shield door (4-9-74)
386426 (2 Shts)	Emerg. exit handle rework (12-19-69)
386694 (1 Sht)	Escape hatch handles (1-24-74)
386783 (1 Sht)	Two & Three place divan inst'l. (1-21-75)
386120 (1 Sht)	Chair installation provisions. (11-11-68)
386254 (1 Sht)	Entrance door curtain. (5-14-69)
386765 (3 Shts)	Commissary LH. (10-10-74)
386746 (3 Shts)	Commissary RH. (10-10-74)
386767 (2 Shts)	L&R commissary support structure. (10-11-74)
386633 (2 Shts)	Water heater & bracket. (4-11-73)
386775 (3 Shts)	Pressurized water system. (11-19-74)
386668 (3 Shts)	Lavatory & vanity. (11-9-73)
386666 (1 Sht)	Lavatory support structure (1-11-74)
386737 (1 Sht)	Air lav deviations. (6-27-74)
386685 (6 Shts)	Aft baggage (1-10-74)
38656 (1 Sht)	Smoke detector & amplifier. (4-15-68).
386500 (2 Shts)	Lavatory floor mod. (5-10-71)
386702 (2 Shts)	Radio rack doors. (2-8-74)
386441 (1 Sht)	FS540-572 floor board mod. (1-9-74)
386553 (Shts1,2,3,4&5)	Continuous flow oxygem system (9-5-72).
386679 (1 Sht)	Continuous flow oxygen system. (12-27-73)
386637 (1 Sht)	Continuous flow oxygen system (4-24-73)
386401 (1 Sht	Cockpit step manual storage (11-26-69)

PURPOSE OF DATA

To install interior items for Field Approval,

APPLICABLE REQUIREMENTS (List specific sections)

4b.200(a), 4b.201,4b.210(a),4b.211,4b.260,4b.306,4b.307(c)
4b.358,4b.359,4b.362,4b.381;4b.651 (b) (3).

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 2 of 3 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Walter T. Clark	SW-167	Structural and Oxygen systems.
FAA ORIGINAL		

GPO 901-813

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS

DATE: 19 Feb. 1975

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Grumman	G1159	Airplane	Cooper Airmotive Inc. Executive Aircraft Service Div.

LIST OF DATA

IDENTIFICATION	TITLE
386688 (1 Sht)	Desiccant installation (1-14-74)
386782 (1 Sht,	Tow bar storage. (1-4-75)
386554 (6 Shts)	L&R aux. engine oil full system. (9-6-72)
386592 (1 Sht)	Pre-fill pump installation (11-29-72)
386551 (1 Sht)	APU interlock switch. (8-23-72)
386665 (1 Sht)	Utility box. (11-5-73)
386569 (1 Sht)	Cockpit portable oxygen bottle inst'l. (10-27-72)
386580 (1 Sht)	Entrance area floor mod. (11-4-72)
386566 (1 Sht)	Wheel well lights (10-13-72)
386515 (1 Sht)	Overboard drains. (6-9-71)
386593 (2 Shts)	Aux. landing lights LH & RH (11-29-72)
386758 (1 Sht	Oil gauge sight door alteration. (9-5-74)
386530 (1 Sht)	Jack pad storage. (7-27-71)
386761 (1 Sht)	Access inst'l. starter & H.P. cock.
386	
NOTES:	1. This approval is for the structural substantiation and oxygen system only. 2. This approval does not include the electrical system approval. 3. This approval is for Grumman Model G1159. S/N 151, N979RA 4. Aircraft released for service by FAA Form 337 dated 19 Feb. 1975 by RS3834.

PURPOSE OF DATA

To install interior items for Field approval.

APPLICABLE REQUIREMENTS (List specific sections)

4b.200(a),4b.201,4b.210(a),4b.211,4b.260,4b.306,4b.307(c) 4b.358,4b.359,4b.362,4b.381,4b.382,4b.651 (b) (3).

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered 3 of 3 have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore ☐ Recommend approval of these data ☒ Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Walter T. Clark Jr	SW-167	Structural and Oxygen systems.
FAA ORIGINAL		

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

GPO 901-813

EFTA00278389

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

7

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

EAS W.O. 215

FAA

FEDERAL AVIATION AGENCY

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

Form Approved
Budget Bureau No. 04-R060.1

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.

1. AIRCRAFT	MAKE: Grumman	MODEL: G-1159
	SERIAL NO.: 151	NATIONALITY AND REGISTRATION MARK: N979RA
2. OWNER	NAME (As shown on registration certificate): Ogden American Corporation	ADDRESS (As shown on registration certificate): 277 Park Avenue, New York, New York 10017

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. REPAIR	5. ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Cooper Airmotive, Inc. Executive Aircraft Service, Div Redbird Airport Dallas, Texas 75232	[ ] U.S. CERTIFICATED MECHANIC [ ] FOREIGN CERTIFICATED MECHANIC [X] CERTIFICATED REPAIR STATION [ ] MANUFACTURER	RS 3834 Airframe Limited Ratings

D. 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	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 12, 1975	Gaston D. Alexander

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 Agency and is [X] APPROVED [ ] REJECTED

BY						
	[ ] FAA FLT. STANDARDS INSPECTOR	[ ] MANUFACTURER	[ ] INSPECTION AUTHORIZATION	OTHER (Specify)		
	[ ] FAA DESIGNEE	[X] REPAIR STATION	[ ] CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT			

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
March 12, 1975	RS 3834	Gaston D. Alexander

FAA Form 337 (1-65) OBSOLETE PREVIOUS EDITION 0052-025-8000 (8320)

EFTA00278391

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

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.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

a. Installed interior emergency lighting system as shown on Cooper Airmotive, Inc., Executive Aircraft Service, Division drawing #3S6218 (13 Sheets) dated 3-25-69 Rev. "A" dated 6-30-69 approved by STC #SA1037SW. EAS FAA approved Flight Manual Supplement #3 dated June 23, 1969 applicable to this allteration.

b. Installed Page Gulfstream II cockpit jump seat approved for use during take-off or landing in accordance with STC #SA1918SW. Oxygen supply for this seat installed in accordance with STC #SA951SW.
NOTE: 1. Long range oxygen supply, Two (2) 114-S cubic feet each, installed in this aircraft. Passenger and Long Range oxygen system approved by STC #SA951SW and FAA form #8110-3 dated Feb. 19, 1975 by DER SW-167, Walter T. Clark, Jr. reference 337 form dated Feb. 19, 1975.
2. Flight Manual Supplement #II dated April 25, 1969 applicable to this aircraft.

c. Installed insulation inside the fuselage from sta. 181 to pressure dome as shown on Drawing #38681 (1 Sheet) dated 8-21-68, except for the aft side of the pressure dome, which was installed by Grumman Aircraft Company, The Grumman Gulfstream II Specification #AE-159-I-21 Section "C" dated 11-15-67 used as a guide for installation.

d. Relocated the APU speed logic control unit in accordance with STC #SA2512WE.

e. Installed BKM Master Warning Interface device between master warning control panel and aircraft inputs according to BKM drawing list #BKM1000-501 and STC #SA1613SW dated March 1, 1973 Rev. 1 dated Sept. 5, 1974. NOTE: The warning bell is not installed.

f. Installed oil tank sight gage float in accordance with STC #SB994EA.

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☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

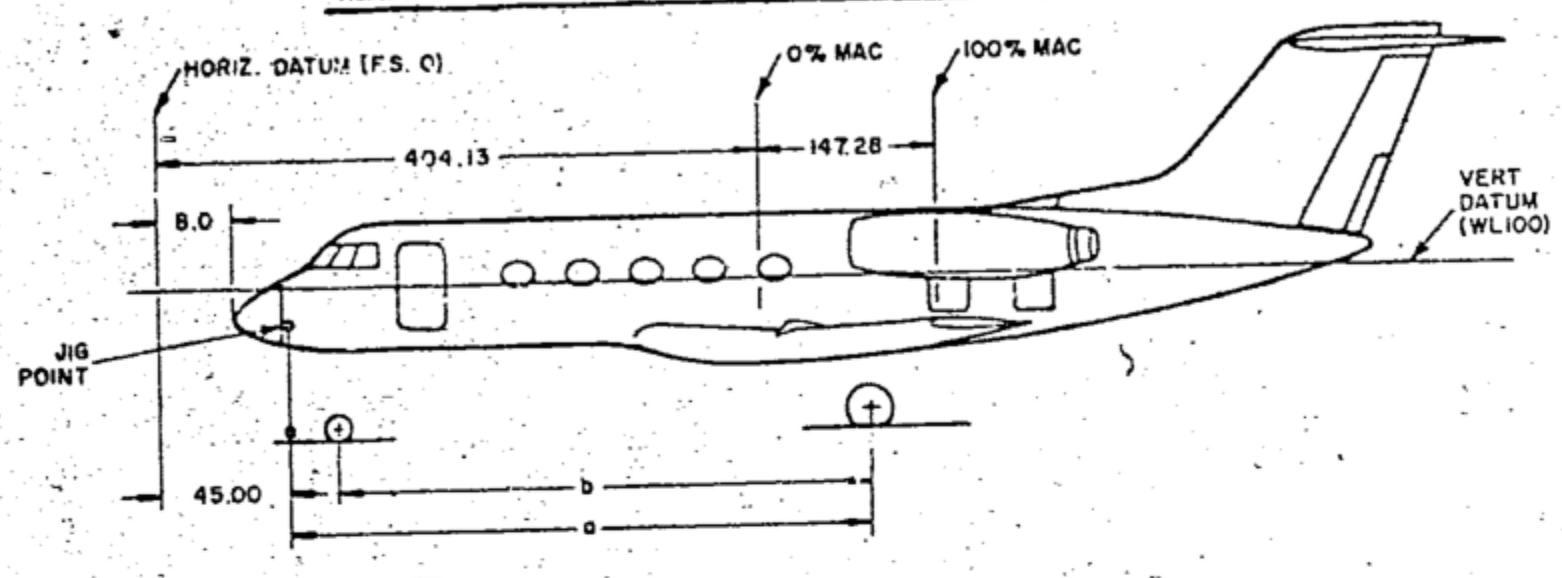
OGDEN AMERICAN CORPORATION
277 Park Avenue
New York, New York 10017

Page 11

Cooper Airmotive
Exec. Airc. Serv. Div.
DATE March 8, 1975
W.O. 215

GRUMMAN GULFSTREAM II S/N 151 N979RA

WEIGHT AND BALANCE DATA FORM



DISTANCE	FT & IN.	IN.
a		
b		
a-b		

MAIN GEAR HORIZONTAL ARM = a + 45.00 = INCHES

NOSE GEAR HORIZONTAL ARM = (a-b) + 45.00 = INCHES

C. G. IN PERCENT M. A. C. = $\frac{\text{(HOR. ARM IN INCHES)} - (404.13)}{1.4728}$

NOTES:
1. All C.G.'s are for the airplane with landing gear extended.
2. Aircraft should be level (FRL = 0°), doors and windows closed, brakes released, and flaps and thrust reversers retracted, when weighing.

AIRPLANE ON WHEELS

WHEEL LOCATION	GROSS	TARE	ERROR	TOT. Δ	NET	HOR. ARM	MOMENT
LEFT MAIN							
RIGHT MAIN							
SUBTOTAL MAINS							
NOSE							
TOTALS							

AIRPLANE ON JACK PADS

SCALE LOCATION	GROSS	TARE	ERROR	TOT. Δ	NET	HOR. ARM	MOMENT
LEFT WING	16,460	-2		-2	16,458		
RIGHT WING	16,470	-9		-9	16,461		
SUBTOTAL WINGS	32,930				32,919	488 00	16,097,391
NOSE	2,365	+8		+8	2,373	120 10	284,997
TOTALS	35,295				35,292	464 19	16,382,388

EMPTY WEIGHT & C. G. DETERMINATION

ITEMS	WEIGHT	C. G. IN HOR. ARM	C. G. IN % M. A. C.	MOMENT
TOTAL ACTUAL NET	See page	11.1A dated		
TOTAL ADDITIONS	March 8,	1975 for		
TOTAL SUBTRACTIONS	empty weight computation			
EMPTY WEIGHT	& equipment included in the empty weight.			

WEIGHED BY: _____ WITNESSED BY: _____ DATE: _____

Grumman American Aviation Corp.

EFTA00278393

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

OGDEN AMERICAN CORPORATION
277 Park Avenue
New York, New York, 10017

GRUMMAN GULFSTREAM II
S/N151 N979RA

Cooper Airmotive Inc. Executive Aircraft Service Division

ACTUAL WEIGHT AND BALANCE AS WEIGHED
Page 11.1A 3-8-75
W.O. 215

COMPUTATIONS TO SHOW AIRCRAFT EMPTY WEIGHT

	Weight	Arm	Moment
Aircraft Scale reading	35,292	464.19	16,382,388
Unusable fuel (drainable)	104	432.00	44,928
Engine Oil	-56	554.00	-31,024
Net Empty Weight	35,340	463.95	16,396,292

NOTE: 1. Undrainable fuel in tanks (16 lbs) and fuel in lines from tanks to engines (44 lbs.) included in the scale reading.
2. The above empty weight included equipment added by Cooper Airmotive, Inc., Executive Aircraft Service Division listed below including radio and electronics.

Items Weight and/or not weighed:

1. Utility box.
2. Engine oil pump system (full).
3. Hyd. oil pump (empty).
4. Tow bar - installed.
5. Baggage compt. complete.
6. EAS water system (empty).
7. First Aid Kit.
8. Lavatory complete.
   a. "Air-Lav" 125-Serviced.
   b. Vanity.
   c. Mirrors (2).
   d. Fire Ext. CO_2
   e. Wardrobe & curtain.
9. Commissary complete.
   a. Oven - (1).
   b. Tray Carriers (2).
   c. Hot cups (1).
   d. Ice Box (1).
   e. Coffee Maker.
10. Divan (3 pl. & 2 Place).
11. Seven single chairs.
12. Three fold-up tables.
13. Three aisle doors.
14. Fold-up desk (3).
15. Service Cabinet (Mid-cabin).
   a. Tape player.
   b. Storage & phone set.
16. Cabinet (1) (divan end).
17. Radio rack doors.
18. Fwd. Wardrobe & curtain.
19. Fire Ext. (water).
20. Portable oxygen (cp).
21. Crash axe.
22. Crew service & compt. (complete
23. Long range oxyg. (2) bottles.
24. Passenger oxygen (3) bottles.
25. Jump seat (Page 5A).
26. Fire ext. CO_2 (CP).
27. Crew seats.
28. Crew O_2 masks.
29. Manual holders.
30. Step storage (CP).
31. Radio Complete.
32. Fuel drained.
33. Engine oil full.
34. Emergency lights & battery.
35. Batteries installed (a/c).
36. Entrance door curtain.
37. Spare APU Speed logic box.
38. Eng. plugs (IN).
39. Jack pad box (Pads Out).

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

OGDEN AMERICAN CORPORATION
277 Park Avenue
New York, New York 10017

Grumman G1159
S/N 151 N979RA
March 8, 1975
W.O. 215

SAMPLE LOADING FOR ZERO FUEL WEIGHT

CONDITION #1: Ferry Flight with Crew of Two (2)

Item	Weight	Arm	Moment	
Aircraft Empty Weight	35,340	463.95	16,396,292	40.61% MAC
Engine Oil	56	554.00	31,024	
Crew (2)	340	113.00	38,420	
Crew Kit	50	113.00	5,650	
Zero Fuel Wt - Crew 2	35,786	460.27	16,471,386	38.11% MAC
Baggage	600	565.00	339,000	
ZFW - 2 Crew & Baggage	36,386	462.00	16,810,386	39.29% MAC

CONDITION #2: Loading for 3 Crew & baggage

ZFW - 2 Crew & Baggage	36,386	462.00	16,810,386	39.29% MAC
Jump Seat	170	142.00	24,140	
Baggage	250	565.00	141,250	
ZFW-3 Crew & Baggage	36,806	461.22	16,975,776	38.76% MAC

CONDITION #3: Loading for Passengers & supplies (Passengers aft to fwd.)

ZFW -Crew 2	35,786	460.27	16,471,386	38.11% MAC
Crew Baggage (2)	60	565.00	33,900	
Lavatory Water (10 gal.)	80	544.00	43,250	
Lavatory Supplies	20	519.00	10,380	
Galley Supplies	100	474.00	47,400	
Galley Supplies	100	474.00	47,400	
Crew Galley	40	190.00	7,600	
Utility Box (aft)	100	745.00	74,500	
ZFW - 2 Crew & Supplies	36,286	461.21	16,735,816	38.75% MAC
Passenger D5	170	433.00	73,610	
Baggage	30	565.00	16,950	
ZFW - Pass. (2 Crew)	36,486	461.17	16,826,376	38.72% MAC
Passenger R5	170	420.00	71,400	
Baggage	30	565.00	16,950	
ZFW - 2 Pass. (2 Crew)	36,686	461.06	16,914,726	38.65% MAC

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

OGDEN AMERICAN CORPORATION
277 Park Avenue
New York, New York 10017

Grumman G1159
S/N 151, N979RA
March 8, 1975
W.O. 215

SAMPLE LOADING FOR ZERO FUEL WEIGHT

Item	Weight	Arm	Moment	
ZFW - 2 Pass. (2 Crew)	36,686	461.06	16,914,726	38.65% MAC
Passenger D4	170	407.00	69,190	
Baggage	30	565.00	16,950	
ZFW - 3 Pass. (2 Crew)	36,886	460.90	17,000,866	38.54% MAC
Passenger D3	170	381.00	64,770	
Baggage	30	565.00	16,950	
ZFW - 4 Pass. (2 Crew)	37,086	460.62	17,082,586	38.35% MAC
Passenger R4	170	363.00	61,710	
Baggage	30	565.00	16,950	
ZFW - 5 Pass. (2 Crew)	37,286	460.25	17,161,246	38.10% MAC
Passenger R3	170	345.00	58,650	
Baggage	30	565.00	16,950	
ZFW - 6 Pass. (2 Crew)	37,486	459.82	17,236,846	37.81% MAC
Passenger D2	170	336.00	57,120	
Baggage	30	565.00	16,590	
ZFW - 7 Pass. (2 Crew)	37,686	459.34	17,310,916	37.46% MAC
Passengcr D1	170	318.00	54,060	
Baggage	30	565.00	16,950	
ZFW -8 Pass. (2 Crew)	37,886	458.79	17 381,926	37.11% MAC
Passenger R2	170	272.00	46,240	
Baggage	30	565.00	16,950	
ZFW -9 Pass. (2 Crew)	38,086	458.04	17,445,116	36.60% MAC
Passenger R2	170	272.00	46,240	
Baggage	30	565.00	16,590	
ZFW - 10 Pass. (2 Crew)	38,286	457.30	17,508,306	36.10% MAC
Passenger R1	170	219.00	37,230	
Baggage	30	565.00	16,950	
ZFW - 11 Pass. (2 Crew)	38,486	456.33	17,562,486	35.44% MAC

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

OGDEN AMERICAN CORPORATION
" 277 Park Avenue
New York, New York 10017

Grumman G1159
S/N 151 N979RA
March 8, 1975
W.O. 215

SAMPLE LOADING FOR ZERO FUEL WEIGHT

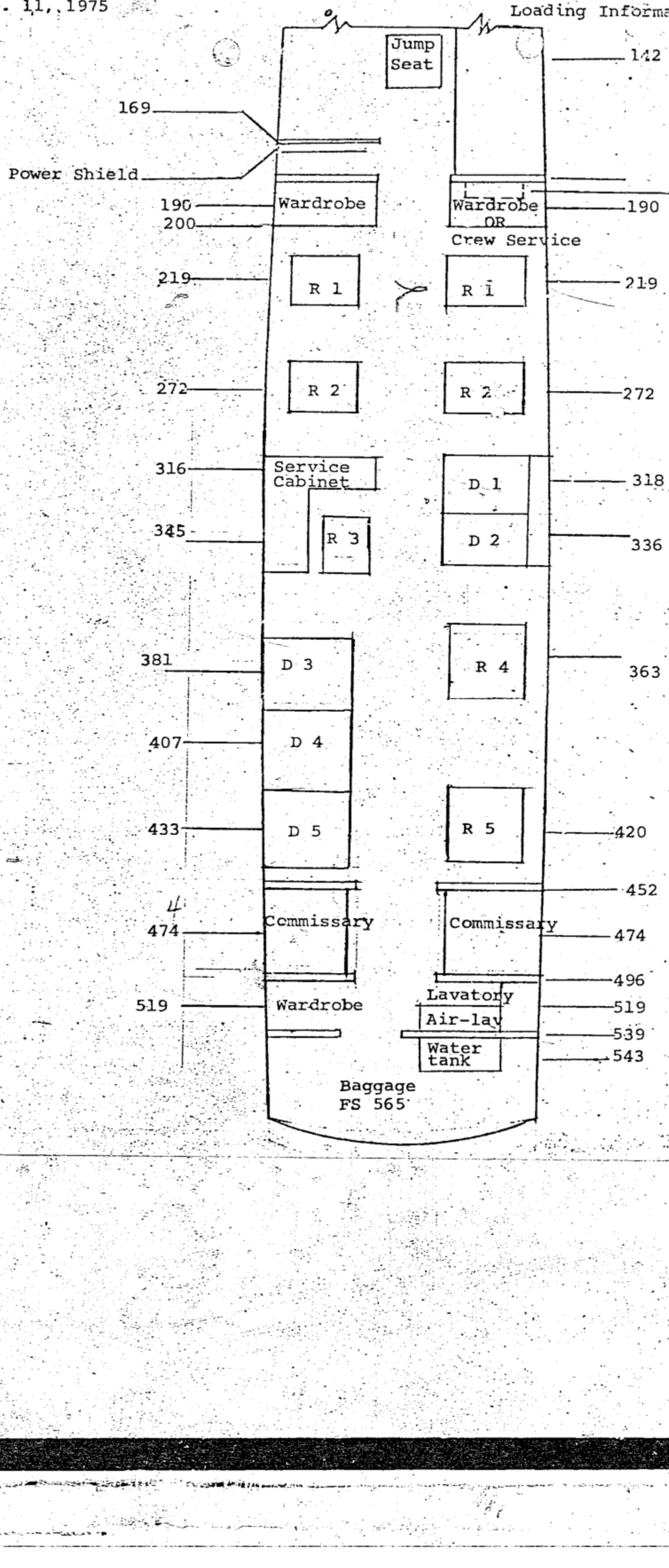
Item	Weight	Arm	Moment	
ZFW - 11 Pass. (2 Crew)	38,486	456.33	17,[illegible],486	35.44% MAC
Passenger R1	170	219.00	37,230	
Baggage	30	565.00	16,950	
ZFW - 12 Pass. (2 Crew)	38,686	455.37	17,616,666	34.79% MAC
Passenger - Jump Seat	170	142.00	24,140	
Baggage	30	565.00	16,950	
ZFW - 13 Pass. (2 Crew)	38,886	454.09	17,65[illegible],7[illegible]6	33.92% MAC
CONDITION #4: Loaded for Forward C. G. Limit				
ZFW - 2 Crew & Supplies	36,286	461.21	16,735,816	38.75% MAC
Passenger Jump Seat	170	142.00	24,140	
Baggage	30	565.00	16,950	
ZFW - 1 Pass (2 Crew)	36,486	459.81	16,776,906	37.80% MAC
Passenger R1	170	219.00	37,230	
Baggage	30	565.00	16,950	
ZFW - 2 Pass. (2 Crew)	36,686	458.78	16,831,086	37.10% MAC
Passenger R1	170	219.00	37,230	
Baggage	30	565.00	16,950	
ZFW - 3 Pass. (2 Crew)	36,886	457.76	16,885,286	36.41% MAC
CONDITION #5: Loading for Additional baggage				
ZFW - 13 Pass. (2 Crew)	38,886	454.09	17,657,756	33.92% MAC
Remaining Baggage	1,060	565.00	598,900	
ZFW - 13 Pass. & Baggage	39,946	457.03	18,256,656	35.91% MAC

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

Ogden American Corporation
Feb. 11, 1975

Grumman GII S/N151, N979KA
Loading Information



EFTA00278403

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N979RA	Grumman G159	151	Transport

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft for which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and to have shown to meet the requirements of the applicable comprehensive and detailed airworthiness codes as established by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

Exemption No. 695 to 4b.437 "Fuel Jettisoning Provisions"

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a determined date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
Replacement 9-27-74	Glen H. Schroeder ORIGINAL SIGNED BY	SW-GADO-2, DAL

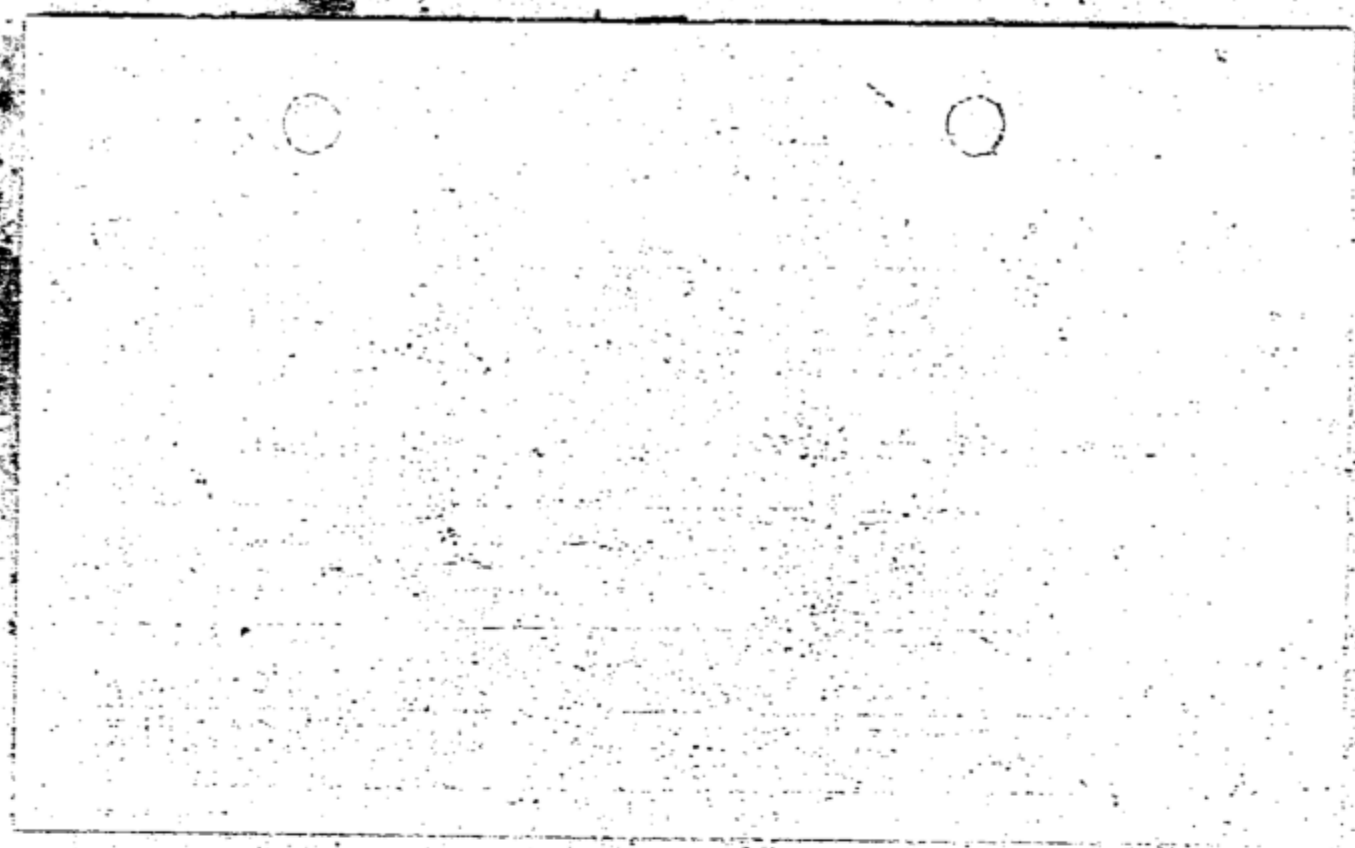
Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

GPO 1967-O 270 931

EFTA00278405

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81



FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

Form Approved
Budget Bureau No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS—Print or type. Do not write in shaded areas: these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
(N804GA) N79RA	Grumman American	G-1159	1974	39535
5. AIRCRAFT SERIAL NO	**6. ENGINE BUILDER'S NAME (make)**	**7. ENGINE MODEL DESIGNATION**		54523
151	Rolls Royce Turbo Fan	Spey Mk 511-8		
8. NUMBER OF ENGINES	**9. PROPELLER BUILDER'S NAME (make)**	**10. PROPELLER MODEL DESIGNATION**		**11. AIRCRAFT IS**
Two	403875 N/A	N/A		NEW XXXXXXXXX USED IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: *(Check applicable items)*

A 1 X STANDARD AIRWORTHINESS CERT. *(Indicate category)* — NORMAL | UTILITY | ACROBATIC | X TRANSPORT | GLIDER | BALLOON

B SPECIAL AIRWORTHINESS CERTIFICATE *(Check appropriate items)*

2	LIMITED							
5	PROVISIONAL *(Indicate class)*	1	CLASS I					
		2	CLASS II					
3	RESTRICTED *(Indicate operation(s) to be conducted)*	1	AGRICULTURE & PEST CONTROL	2	AERIAL SURVEYING	3	AERIAL ADVERTISING	
		4	FOREST *(Wild life conservation)*	5	PATROLLING	6	WEATHER CONTROL	
		0	OTHER *(Specify)*					
4	EXPERIMENTAL *(Indicate operation(s) to be conducted)*	1	RESEARCH AND DEVELOPMENT	2	AMATEUR BUILT	3	EXHIBITION	
		4	RACING	5	CREW TRAINING	6	MKT. SURVEY	
		0	TO SHOW COMPLIANCE WITH FAR					
8	SPECIAL FLIGHT PERMIT *(Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side)*	1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE					
		2	EVACUATE FROM AREA OF IMPENDING DANGER					
		3	OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT					
		*4	DELIVERING OR EXPORT	5	PRODUCTION FLIGHT TESTING			

C 6 MULTIPLE AIRWORTHINESS CERTIFICATE *(Check appropriate Restricted Operation and Standard or Limited as applicable above)*

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER *(As shown on Certificate of Aircraft Registration)* — IF DEALER, CHECK HERE → XX

NAME	ADDRESS
Grumman American Aviation Corporation	Savannah, Ga. 31402

B. AIRCRAFT CERTIFICATION BASIS *(Check applicable blocks and complete items as indicated)*

X	AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET *(Give No. and Revision No.)* A12EA Rev 7 5/1/73		AIRWORTHINESS DIRECTIVES *(Check if all applicable AD's complied with and give latest AD No.)* 74-19
	AIRCRAFT LISTING *(Give page No(s).)* N/A		SUPPLEMENTAL TYPE CERTIFICATE *(List number of each STC incorporated)* N/A

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

X	CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173	TOTAL AIRFRAME HOURS— XXXXXXXXXXXXXXXX 14:10 HOURS	3 EXPERIMENTAL ONLY—*Enter hours flown since last certificate issued or renewed*

D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE
14 September 1974	V. O. Gagnon, Agent	V. O. Gagnon

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: *(Complete this section only if FAR 21.183 (d) applies)*

2	FAR PART 121 OR 127 CERTIFICATE HOLDER *(Give Certificate No.)*	3	CERTIFICATED MECHANIC *(Give Certificate No.)*	6	CERTIFICATED REPAIR STATION *(Give Certificate No.)*
5	AIRCRAFT MANUFACTURER *(Give Name of Firm)*				

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: ☒ The certification requested, or ☐ Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: ☐ FAA Inspector; certificate holder under ☐ FAR 65, ☐ FAR 121 or 127, or ☐ FAR 145.

DATE	DISTRICT OFFICE	4 DESIGNEE'S SIGNATURE AND NO.	1 FAA INSPECTOR'S SIGNATURE
27 Sept. 1974	ASO-EDO 7-0-42	Patrick J. Lynch Patrick J. Lynch DMIR # SO-118-2	

FAA Form 8130-6 (7-70)

EFTA00278407

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

Typed by FAA

F. CERTIFICATION—I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [ ] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [ ] E. Major Repair and Alteration, FAA 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 317 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [ ] I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ *(Original attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 (a) *(Copy attached)*

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N804GA	Grumman G-1159	151	Transport

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions:

Exemption No. 695 to 4B.437 "Fuel Jettisoning Provisions"

6. TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
27 Sept. 1974	Patrick J Lynch	80-118-2

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO : 1967—O-270 931

EFTA00278409

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 12-18-81

