

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number **ST01271WI**

This certificate issued to: Global Aviation Technologies
1704 S. Baehr Street
Wichita, KS 67209

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. (See attached continuation sheets.)

Original Product - Type Certificate Number : A10CE
Make : Learjet
Model : (See attached FAA Approved Model List)

Description of Type Design Change:

Installation of IS&S Air Data Computer System Update with Rosemount Static Probes and associated equipment in Learjet series aircraft to obtain Reduced Vertical Separation Minimum approval. Equipment installation in accordance with LJSC Ltd. Master Document List MDL4001-34250, Revision M, dated September 28, 2004, or later FAA approved revision.

(See continuation sheets)

Limitations and Conditions:

See attached Global Aviation Technologies LLC Approved Model List (AML) No. AML4001-34250 dated September 29, 2004 and reissued August 24, 2006, or later FAA approved revisions, for a listing of Learjet 20 series aircraft models and configurations approved for equipment installation and RVSM approval. The modified aircraft must be operated in accordance with the applicable Airplane Flight Manual Supplement (AFMS) identified on the AML for each model/configuration. 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 : October 8, 2002 *Date reissued :* August 24, 2006, November 15, 2011

Date of issuance : September 28, 2004 *Date amended :*



By direction of the Administrator

Original signed by Grant Youngdahl

(Signature)

Grant E. Youngdahl
Program Manager
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.

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Date of Issuance: September 28, 2004
 Date Reissued: August 24, 2006, November 15, 2011

Description of Type Design Change: (Continued):

This type design modification has been approved and certified in accordance with CFR Title 14, Part 25 of the Federal Aviation Regulations. Compliance to amendment levels of Part 25 for the applicable regulations for this modification is noted in the following table:

FAR PART 25	Sub Para	Amdt. Level	Certification Documents
Subpart A – GENERAL			
25.1 Applicability		No Amdt	CR4001-34250
Subpart B – FLIGHT			
25.29 Empty Weight and Corresponding Center of Gravity	(b)	No Amdt	CR4001-34250
25.103 Stalling Speed	(a)(b)	No Amdt	FTP4001-34251
25.143 Controllability and Maneuverability - General	(a1)	25-42	FTP4001-34250
25.251 Vibration & Buffeting	(d)	25-77	FTP4001-34250
Subpart C – STRUCTURES			
25.301 Loads	(a-c)	25-23	SA4001-34250, CR4001-34250
25.303 Factor of Safety		No Amdt	SA4001-34250, CR4001-34250
25.305 Strength and deformation.	(a)	25-23	SA4001-34250, CR4001-34250
25.307 Proof of structure.	(a)	25-23	SA4001-34250, CR4001-34250
25.321 Flight Loads General	(a)(b)	25-23	SA4001-34250, CR4001-34250
25.341 Gust Turbulence Loads	(a)	No Amdt	SA4001-34250, CR4001-34250
25.365 Pressurized Compartment Loads	(a)(b)(c)	25-54	SA4001-34250, CR4001-34250
25.561 General	(a)(b)(c)	No Amdt	SA4001-34250, CR4001-34250
25.571 Damage Tolerant and Fatigue Evaluation of Structure	(a)(b)	25-23	SA4001-34250, CR4001-34250
25.581 Lightning Protection	(b1)	25-23	CR4001-34250
Subpart D – DESIGN & CONSTRUCTION			
25.601 General		No Amdt	CR4001-34250
25.603 Materials	(a)(b)	23-46	CR4001-34250, SA4001-34250
25.605 Fabrication Methods	(a)	25-46	CR4001-34250
25-607 Fasteners	(a)(b)	25-23	CR4001-34250
25.609 Protection of Structure	(a)	25-23	CR4001-34250
25.611 Accessibility Provisions		25-23	CR4001-34250
25.613 Material Strength Properties and Design Values	(a)(b)(c)(d)	25-72	CR4001-34250, SA4001-34250
25.619 Special Factors	(a)(b)(c)	25-23	CR4001-34250, SA4001-34250
25.625 Fitting Factors	(a)	No Amdt	CR4001-34250, SA4001-34250
25.789 Retention of Items of Mass in Passengers and Crew Compartments and Galleys	(a)	25-46	CR4001-34250, SA4001-34250
25.853 Compartment Interiors	(a)	No Amdt	CR4001-34250

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FAR PART 25	Sub Para	Amdt. Level	Certification Documents
Subpart F – Equipment			
25.1301 Function and Installation	(a)(b)(c)	No Amdt	GTP4001-34250, CR4001-34250
25.1301 Function and Installation	(d)	No Amdt	FTP4001-34250, GTP4001-34250
25.1303 Flight and Navigation Instruments	(b)(1)(2)(c)(1)	25-90	FTP4001-34250
25.1303 Flight and Navigation Instruments	(b)(1)(2)(c)(1)	25-90	GTP4001-34250, CR4001-34250
25.1307 Miscellaneous Equipment	(b)(c)	25-72	GTP4001-34250, CR4001-34250
25.1307 Miscellaneous Equipment	(b)(c)	25-72	FTP4001-34250
25.1309 Equipment, Systems, and Installations	(a)	No Amdt	GTP4001-34250, CR4001-34250
25.1309 Equipment, Systems, and Installations	(b)(d)	No Amdt	FHA4001-34250
25.1309 Equipment, Systems, and Installations	(c)	No Amdt	FTP4001-34250
25.1316 System Lightning Protection	(a)(b)	25-80	CR4001-34250
25.1321 Arrangement and Visibility	(a)(b3)(e)	25-41	FTP4001-34250, CR4001-34250
25.1322 Warning, Caution, and Advisory Lights	(a)(b)(c)(d)	25-38	GTP4001-34250, CR4001-34250
25.1322 Warning, Caution, and Advisory Lights	(a)(b)(c)(d)	25-38	FTP4001-34250
25.1323 Airspeed Indication System	(a)(d)(e)(f)	25-57	GTP4001-34250, CR4001-34250
25.1323 Airspeed Indication System	(d)(e)(f)	25-57	CR4001-34250
25.1323 Airspeed Indication System	(b)(c)	25-57	FTP4001-34251
25.1325 Static Pressure Systems	(a)(b)(c)(d)(f)(g)	25-41	GTP4001-34250, CR4001-34250
25.1325 Static Pressure Systems	(e)	25-41	FTP4001-34251
25.1326 Pitot Heat Systems	(a)(b)	25-43	GTP4001-34250, CR4001-34250
25.1329 Automatic Pilot System	(f)(g)	25-46	FTP4001-34250
25.1331 Instruments using a power supply	(a1,2)(b)	25-41	GTP4001-34250, CR4001-34250
25.1333 Instruments Systems	(a)(b)(c)	No Amdt	CR4001-34250
25.1351 Electrical Systems and Equipment – General	(a)(d)	25-72	GTP4001-34250, CR4001-34250, ELA4001-34250
25.1353 Electrical Equipment and Installations	(a)(b)	25-42	GTP4001-34250, CR4001-34250
25.1353 Electrical Equipment and Installations	(a)	25-42	FTP4001-34250
25.1355 Distribution System	(a)(c)	25-38	GTP4001-34250, CR4001-34250
25.1357 Circuit Protective Devices	(a)(c)(e)(f)	No Amdt	GTP4001-34250, CR4001-34250
25.1381 Instruments Lights	(a1)	25-72	GTP4001-34250, CR4001-34250
25.1381 Instruments Lights	(a)(1)(2i)(2ii)(b)	25-72	FTP4001-34250
25.1419 Ice Protection	(a)(b)(c)(d)	25-72	GTP4001-34250, CR4001-34250
25.1431 Electronic Equipment	(a)(c)	No Amdt	GTP4001-34250, CR4001-34250

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FAR PART 25	Sub Para	Amdt. Level	Certification Documents
Subpart G – Operating Limitations and Information			
25.1501 Operating Limitations - General	(a)(b)	25-42	FTP4001-34250, FMS4001-34250
25.1503 Airspeed Limitations		No Amdt	FMS4001-34250
25.1505 Maximum Operating Limit Speed	(a)	25-23	FMS4001-34250
25.1507 Maneuvering Speed		No Amdt	FMS4001-34250
25.1511 Flap Extend Speed		No Amdt	FMS4001-34250
25.1513 Minimum Control Speed		No Amdt	FMS4001-34250
25.1515 Landing Gear Speed		25-38	FMS4001-34250
25.1529 Instructions for Continued Airworthiness		25-54	ICA4001-34250
25.1541 Markings and Placards - General	(a)(b)	No Amdt	FTP4001-34250
25.1541 Markings and Placards - General	(b)	No Amdt	CR4001-34250
25.1543 Instrument Markings: General	(b)	25-72	FTP4001-34250
25.1545 Airspeed Limitation Information		No Amdt	FTP4001-34250
25.1563 Airspeed Placard		No Amdt	FTP4001-34250
25.1581 Airplane Flight Manual - General	(a)(b)	25-72	FMS4001-34250
25.1583 Operating Limitations	(a)(e)(f)	25-72	FMS4001-34250
25.1585 Operating Procedures	(a)	25-46	FMS4001-34250
25.1587 Performance Information	(b)	25-72	FMS4001-34250
Special Conditions			
HIRF Special Conditions 25-232-SC		No Amdt	CR4001-34250
High Altitude Special Conditions 25-72-CE-8	3.(a)(2)(ii)	No Amdt	CR4016-34260
High Altitude Special Conditions 25-72-CE-8		No Amdt	CR4016-34260

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