

AIRCRAFT REGISTRATION MASTER FILE

Contains the records of all U.S. Civil Aircraft maintained by the FAA, Civil Aviation Registry, Aircraft Registration Branch, AFS-750

Element	Position Location in Record	Number of Positions	Descriptions
N-Number	1-5	5	Identification number assigned to aircraft.
Serial Number	7-36	30	The complete aircraft serial number assigned to the aircraft by the manufacturer.
Aircraft Mfr Model Code	38-44	7	A code assigned to the aircraft manufacturer, model and series. Positions (36-38) - Manufacturer Code Positions (39-40) - Model Code Positions (41-42) - Series Code
Engine Mfr Mode Code	46-50	5	A code assigned to the engine manufacturer and model. Positions (43-45) - Manufacturer Code Positions (46-47) - Model Code
Year Mfr	52-55	4	Year manufactured.
Type Registrant	57	1	1 - Individual 2 - Partnership 3 - Corporation 4 - Co-Owned 5 - Government 8 - Non Citizen Corporation 9 - Non Citizen Co-Owned
Registrant's Name	59-108	50	The first registrant's name which appears on the Application for Registration, AC Form 8050-1.
Street1	110-142	33	The street address which appears on the Application for Registration, AC Form 8050-1 or the latest street address reported.
Street2	144-176	33	The 2 nd street address which appears on the Application for Registration, AC, Form 8050-1, or the latest street address reported.
Registrant's City	178-195	18	The city name which appears on the

Element	Position Location in Record	Number of Positions	Descriptions
			Application for Registration, AC Form 8050-1 or the latest address reported.
Registrant's State	197-198	2	The state name which appears on the Application for Registration, AC Form 8050-1 or the latest address reported.
Registrant's Zip Code	200-209	10	The postal Zip Code which appears on the Application for Registration, AC Form 8050-1 or the latest address reported.
Registrant's Region	211	1	1 - Eastern 2 - Southwestern 3 - Central 4 - Western-Pacific 5 - Alaskan 7 - Southern 8 - European C- Great Lakes E - New England S - Northwest Mountain
County Mail	213-215	3	A code representing the county which appears on the Application for Registration.
Country Mail	217-218	2	A code representing the country which appears on the Application for Registration.
Last Activity Date	220-227	8	Format YYYY/MM/DD
Certificate Issue Date	229-236	8	Format YYYY/MM/DD
Certification requested and uses:			
A - Airworthiness Classification Code	238	1	The airworthiness certificate class which is reported on the Application for Airworthiness, FAA Form 8130-6. 1 - Standard 2 - Limited 3 - Restricted 4 - Experimental 5 - Provisional 6 - Multiple 7 - Primary 8 - Special Flight Permit 9 - Light Sport

Element	Position Location in Record	Number of Positions	Descriptions
B - Approved Operation Codes	239-247	9	The approved operations (up to a maximum of six) which are reported on the Application for Airworthiness, FAA Form 8130-6.
Standard	238	1	
	239	1	Blank N - Normal U - Utility A - Acrobatic T - Transport G - Glider B - Balloon C - Commuter O - Other
Limited	240-247	8	Positions are blank.
	238	1	
	239-247	9	Positions are blank.
Restricted	238	1	
	239-245	7	May contain a code of 0-7. 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control 7 - Carriage of Cargo
Experimental	246-247	2	Positions are blank
	238	1	
	239-245	7	May contain a code of 0-7. 0 - To show compliance with FAR 1 - Research and Development 2 - Amateur Built 3 - Exhibition 4 - Racing 5 - Crew Training 6 - Market Survey 7 - Operating Kit Built Aircraft

Element	Position Location in Record	Number of Positions	Descriptions
			8A - Reg. Prior to 01/31/08 8B - Operating Light-Sport Kit-Built 8C - Operating Light-Sport Previously issued cert under 21.190
	246-247	2	Positions are blank
Provisional	238	1	
	239	1	1 - Class I 2 - Class II
	240-247	8	Positions are blank
Multiple	238	1	
	239-240	2	May contain a code of 1-3. 1 - Standard 2 - Limited 3 - Restricted
	241-247	7	May be blank or contain: 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control 7 - Carriage of Cargo
Primary	238	1	
	239-247	9	Positions are blank
Special Flight Permit	238	1	
	239-247	9	May contain a code of 1-6. 1 - Ferry flight for repairs, alterations, maintenance or storage 2 - Evacuate from area of impending danger 3 - Operation in excess of maximum certificated 4 - Delivery or export 5 - Production flight testing 6 - Customer Demo
Light Sport	238	1	

Element	Position Location in Record	Number of Positions	Descriptions
	239	1	May contain a code of A-W. A - Airplane G - Glider L - Lighter than Air P - Power-Parachute W- Weight-Shift-Control
	240-247	8	Positions are blank
Type Aircraft	249	1	1 - Glider 2 - Balloon 3 - Blimp/Dirigible 4 - Fixed wing single engine 5 - Fixed wing multi engine 6 - Rotorcraft 7 - Weight-shift-control 8 - Powered Parachute 9 - Gyroplane
Type Engine	251	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo-jet 5 - Turbo-fan 6 - Ramjet 7 - 2 Cycle 8 - 4 Cycle 9 - Unknown
Status Code	253	1	A - The Triennial Aircraft Registration form was mailed and has not been returned by the Post Office D - Expired Dealer E - The Certificate of Aircraft Registration was revoked by enforcement action M - Aircraft registered to the manufacturer under their Dealer Certificate N - Non-citizen Corporations which have not returned their flight hour reports R - Registration pending S - Second Triennial Aircraft Registration Form has been mailed and has not been returned by the Post Office

Element	Position Location in Record	Number of Positions	Descriptions
			<ul style="list-style-type: none"> V - N-Number Assigned and Registered X - Enforcement Letter Z - Permanent Reserved 1 - Triennial Aircraft Registration form was returned by the Post Office as undeliverable 2 - N-Number Assigned – but has not yet been registered 3 - N-Number assigned as a Non Type Certificated aircraft - but has not yet been registered 4 - N-Number assigned as import - but has not yet been registered 5 - Reserved N-Number 6 - Administratively canceled 7 - Sale reported 8 - A second attempt has been made at mailing a Triennial Aircraft Registration form to the owner with no response 9 - Certificate of Registration has been revoked
Mode S Code	255-262	8	Aircraft Transponder Code
Fractional Ownership	264	1	Y - Registration has fractional ownership blank - Registration is not fractional owned
Airworthiness Date	266-273	8	Date of Airworthiness
Other Name 1	275-324	50	1 st co-owner or partnership name
Other Name 2	326-375	50	2 nd co-owner or partnership name
Other Name 3	377-426	50	3 rd co-owner or partnership name
Other Name 4	428-477	50	4 th co-owner or partnership name
Other Name 5	479-528	50	5 TH co-owner or partnership name
SEQUENCE	N-Number (positions 1-5)		
RECORD LENGTH	529 characters (Record is comma delimited)		

AIRCRAFT REFERENCE FILE

The two reference files are required to identify the aircraft manufacturer/model/series codes and the engine manufacturer/model codes.

Element	Position Location in Record	Number of Positions	Descriptions
Aircraft Manufacturer, Model and Series Code	1-7	7	A code assigned to the aircraft manufacturer, model and series. Positions (36-38) - Manufacturer Code Positions (39-40) - Model Code Positions (41-42) - Series Code
Aircraft Manufacturer Name	9-38	30	Name of the aircraft manufacturer.
Model Name	40-59	20	Name of the aircraft model and series.
Type Aircraft	61	1	1 - Glider 2 - Balloon 3 - Blimp/Dirigible 4 - Fixed wing single engine 5 - Fixed wing multi engine 6 - Rotorcraft 7 - Weight-shift-control 8 - Powered Parachute 9 - Gyroplane
Type Engine	63	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo-jet 5 - Turbo-fan 6 - Ramjet 7 - 2 Cycle 8 - 4 Cycle 9 - Unknown
Aircraft Category Code	65	1	1 - Land 2 - Sea 3 - Amphibian
Builder Certification Code	67	1	0 - Type Certificated 1 - Not Type Certificated 2 - Light Sport
Number of Engines	69-70	2	Number of engines on the aircraft

Element	Position Location in Record	Number of Positions	Descriptions
Number of Seats	72-74	3	Maximum number of seats in the aircraft.
Aircraft Weight	76-82	7	Aircraft maximum gross take off weight in pounds. 1 - Up to 12,499 2 - 12,500 - 19,999 3 - 20,000 and over.
Aircraft Cruising Speed	84-87	4	Aircraft average cruising speed in miles per hour. This data element is not present on all records.

SEQUENCE
RECORD LENGTH

Aircraft Manufacturer/Model/Series Code
88 characters (Record is comma delimited)

ENGINE REFERENCE FILE

Element	Position Location in Record	Number of Positions	Description
Engine Manufacturer and Model Code	1-5	5	A code assigned to the engine manufacturer and model. Positions (43-45) - Manufacturer Code Positions (46-47) - Model Code
Engine Manufacturer Name	7-16	10	Then name of the engine manufacturer.
Engine Model Name	18-30	13	The name of the engine model
Type Engine	32	1	0 - None 1 - Reciprocating 2 - Turbo-prop 3 - Turbo-shaft 4 - Turbo-jet 5 - Turbo-fan 6 - Ramjet 7 - 2 Cycle 8 - 4 Cycle 9 - Unknown
Engine Horsepower	34-38	5	Horsepower for engines types 1, 2, 3, 7, 8
Pounds of Thrust	40-45	6	Thrust for engine types 4, 5, 6
SEQUENCE	Engine Manufacturer/Mode Code (positions 1-5)		
RECORD LENGTH	46 characters (Record is comma delimited)		

AIRCRAFT DOCUMENT INDEX FILE

Contains data on each document for recordation with the FAA Aircraft Registry and it is indexed by collateral identification (usually aircraft registration "N" number).

Element	Position Location in Record	Number of Positions	Description
Type Collateral	1	1	1 - Aircraft 2 - Engine 3 - Propeller 4 - Spare Parts 5 - Document 9 - Unidentified
Collateral	3-39	37	Contents are based on type collateral code, as follows: 1 - Aircraft N-Number 2 - Engine Make, Model and Serial Number 3 - Propeller Make, Model and Serial Number 4 - Spare Parts Location 5 - "DOC", followed by recordation number 9 - "UNIDENTIFIED" or a partial description of the document
Name of Party	41-90	50	Name of party for document being indexed.
Document ID	92-103	12	This is a unique number assigned to a document image.
Document Receipt Date	105-112	8	Month, day and year document being indexed was filed for recordation with the Aircraft Registry. Recorded as YYYYMMDD.
Processing Date	114-121	8	Date record was entered into file. YYMMDD format.
Correction Date	123-130	8	Date of latest correction. Blank unless corrections have been made to record. YYYYMMDD format.
Correction Identification	132	1	Denotes if record has been added or corrected. A - Record was added C - Record was changed
Serial Id	134-163	30	Serial Number for engine or propeller.

SEQUENCE

Major: Type Collateral
Minor: Collateral
Minor: Date of Receipt
Minor: Name of Party

RECORD LENGTH

164 characters (Record is comma delimited)

RESERVE N-NUMBER FILE

This file contains names and addresses of persons and/or companies who have reserved the Aircraft Registration N-number. File is in N-number sequence.

Element	Position Location in Record	Number of Positions	Description
N-Number	1-5	5	N-Number
Registrant	7-56	50	Reserving Party Name
Street Address	58-90	33	The address of the reserving party.
Street2	92-124	33	2 nd street if applicable.
City	126-143	18	City/Town name
State	145-146	2	Two digit state code
Zip Code	148-157	10	Postal zip code
Reserve Date	159-166	8	Format YYYYMMDD
Type Reservation	168-169	2	Two digit code take from Type Reservation. AA - Reserved - no fee A - No fee, notice for expiration sent HD -2 year hold for canceled N-Numbers FN - Fee paid, notice for expiration sent FP - Fee paid MF - Reserved to manufacturer - no fee, no expiration date MT - Reserved to manufacturer - temporary number NC - N-Number change is in process NN - N-Number change is in process, expiration notice sent
Expiration Notice Date	171-178	8	Format YYYYMMDD
N-Number for Change	180-184	5	Changed N-Number

SEQUENCE N-Number
RECORD 185 characters (Record is comma delimited)

AIRCRAFT DEALER APPLICANT FILE

This file contains aircraft dealers and aircraft manufacturers who have made application for Dealer's Aircraft Registration Certificates. All records which exists on the AR Dealer Data Base File appear in this file.

Element	Position Location in Record	Number of Positions	Description
Certificate Number	1-7	7	Format is 'YY-NNNN' where 'YY' is year. 'NNNN' is a unique four position numeric field with leading zeros.
Ownership	9	1	One position numeric field. As follows: 1 - Individual 2 - Partnership 3 - Corporation 4 - Co-Ownership
Certificate Issue Date	11-18	8	Format is YYYYMMDD.
Expiration Date	20-27	8	Format is YYYYMMDD.
Expiration Flag	29	1	Contains '*' for all expired records. An expired record remains on file for 90 days.
Cumulative Issue Count	31-34	4	Cumulative count of total Dealer's Aircraft Registration Certificates issued for a Certificate Number.
Name	36- 85	50	Aircraft Dealer's Name.
Street1 Address	87-119	33	Mailing street address for applicant.
Street2 Address	121-153	33	2 nd mailing street address for applicant.
City	155-172	18	City of applicant.
State	174-175	2	State or foreign country of applicant.
Zip Code	177-186	10	Ten position alpha field or 'FORGN' for foreign countries.
Other Names Count	188-189	2	Number of other names.
Other Name 1	191-240	50	1 st co-owner or partnership name
Other Name 2	242-291	50	2 nd co-owner or partnership name
Other Name 3	293-342	50	3 rd co-owner or partnership name
Other Name 4	344-393	50	4 th co-owner or partnership name

Element	Position Location in Record	Number of Positions	Description
Other Name 5	395-444	50	5 TH co-owner or partnership name
Other Name 6	446-495	50	6 th co-owner or partnership name
Other Name 7	497-546	50	7 th co-owner or partnership name
Other Name 8	548-597	50	8 th co-owner or partnership name
Other Name 9	599-648	50	9 th co-owner or partnership name
Other Name 10	650-699	50	10 th co-owner or partnership name
Other Name 11	701-750	50	11 th co-owner or partnership name
Other Name 12	752-801	50	12 th co-owner or partnership name
Other Name 13	803-852	50	13 th co-owner or partnership name
Other Name 14	854-903	50	14 th co-owner or partnership name
Other Name 15	905-954	50	15 TH co-owner or partnership name
Other Name 16	956-1005	50	16 th co-owner or partnership name
Other Name 17	1007-1056	50	17 th co-owner or partnership name
Other Name 18	1058-1107	50	18 th co-owner or partnership name
Other Name 19	1109-1158	50	19 th co-owner or partnership name
Other Name 20	1160-1209	50	20 th co-owner or partnership name
Other Name 21	1211-1260	50	21 st co-owner or partnership name
Other Name 22	1262-1311	50	22 nd co-owner or partnership name
Other Name 23	1313-1362	50	23 rd co-owner or partnership name
Other Name 24	1364-1413	50	24 th co-owner or partnership name
Other Name 25	1415-1464	50	25 th co-owner or partnership name

SORT SEQUENCE: = N/A
RECORD: = 1466 (Record is comma delimited)

AIRCRAFT DEREGISTERED FILE

Contains the records of all U.S. Civil Aircraft Deregistered by the FAA, Civil Aviation Registry, Aircraft Registration Branch, AFS-750

Element	Position Location in Record	Number of Positions	Description
N-Number	1	5	Identification number assigned to aircraft.
Serial Number	7-36	30	The complete aircraft serial number assigned to the aircraft by the manufacturer.
Aircraft Mfr Model Code	38-44	7	A code assigned to the aircraft manufacturer, model and series. Positions (36-38) - Manufacturer Code Positions (39-40) - Model Code Positions (41-42) - Series Code
Status Code	46	1	<ul style="list-style-type: none"> A - The Triennial Aircraft Registration form was mailed and has not been returned by the Post Office D - Expired Dealer E - The Certificate of Aircraft Registration was revoked by enforcement action M - Aircraft registered to the manufacturer under their Dealer Certificate N - Non-citizen Corporations which have not returned their flight hour reports R - Registration pending S - Second Triennial Aircraft Registration Form has been mailed and has not been returned by the Post Office V - N-Number Assigned and Registered X - Enforcement Letter Z - Permanent Reserved 1 - Triennial Aircraft Registration form was returned by the Post Office as undeliverable 2 - N-Number Assigned – but has not been Registered 3 - N-Number assigned as amateur-built - but not yet registered 4 - N-Number assigned as import - but not yet registered 5 - Reserved N-Number 6 - Administratively canceled

Element	Position Location in Record	Number of Positions	Description
			7 - Sale reported 8 - A second attempt has been made at mailing a Triennial Aircraft Registration form to the owner with no response 9 - Certificate of Registration has been revoked
Registrant's Name	48-97	50	The first registrant's name which appears on the Application for Registration, AC Form 8050-1.
Street1	99- 131	33	The street address which appears on the Application for Registration, AC Form 8050-1, or the latest street address reported.
Street2	133-165	33	The 2 nd street address which appears on the Application for Registration, AC Form 8050-1, or the latest street address reported .
Registrant's City	167-184	18	The city name which appears on the Application for Registration, AC Form 8050-1 or the latest address reported.
Registrant's State	186-187	2	The state name which appears on the Application for Registration, AC Form 8050-1 or the latest address reported.
Registrant's Zip Code	189-198	10	The postal Zip Code which appears on the Application for Registration, AC Form 8050-1 or the latest address reported.
Engine Mfr Mode Code	200-204	5	A code assigned to the engine manufacturer and model. Positions (43-45) - Manufacturer Code Positions (46-47) - Model Code
Year Mfr	206-209	4	Year manufactured.
Certification requested and uses:			
A - Airworthiness Classification Code	211	1	The airworthiness certificate class which is reported on the Application for Airworthiness, FAA Form 8130-6. 1 - Standard 2 - Limited

Element	Position Location in Record	Number of Positions	Description
			3 - Restricted 4 - Experimental 5 - Provisional 6 - Multiple 7 - Primary 8 - Special Flight Permit 9 - Light Sport
B - Approved Operation Codes	212-220	9	The approved operations (up to a maximum of six) which are reported on the Application for Airworthiness, FAA Form 8130-6.
Standard	211	1	
	212	1	Blank N - Normal U - Utility A - Acrobatic T - Transport G - Glider B - Balloon C - Commuter
	213-220	8	Positions are blank.
Limited	211	1	
	212-220	9	Positions are blank.
Restricted	211	1	
	212-218	7	May contain a code of 0-7. 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control 7 - Carriage of Cargo
	219-220	2	Positions are blank
Experimental	211	1	
	212-218	7	May contain a code of 0-7. 0 - To show compliance with FAR 1 - Research and Development 2 - Amateur Built

Element	Position Location in Record	Number of Positions	Description
			<ul style="list-style-type: none"> 3 - Exhibition 4 - Racing 5 - Crew Training 6 - Market Survey 7 - Operating Kit Built Aircraft 8A - Reg. Prior to 01/31/08 8B - Operating Light-Sport Kit-Built 8C - Operating Light-Sport Previously issued cert under 21.190
	219-220	2	Positions are blank
Provisional	211	1	
	212	1	<ul style="list-style-type: none"> 1 - Class I 2 - Class II
	213-220	8	Positions are blank
Multiple	211	1	
	212-213	2	May contain a code of 1-3. <ul style="list-style-type: none"> 1 - Standard 2 - Limited 3 - Restricted
	214-220	7	May be blank or contain: <ul style="list-style-type: none"> 0 - Other 1 - Agriculture and Pest Control 2 - Aerial Surveying 3 - Aerial Advertising 4 - Forest 5 - Patrolling 6 - Weather Control 7 - Carriage of Cargo
Special Flight Permit	211	1	
	212-220	9	May contain a code of 1-6. <ul style="list-style-type: none"> 1 - Ferry flight for repairs, alterations, maintenance or storage 2 - Evacuate from area of impending danger 3 - Operation in excess of maximum certificated 4 - Delivery or export 5 - Production flight testing 6 - Customer Demo

Element	Position Location in Record	Number of Positions	Description
Light Sport	211	1	
	212	1	May contain a code of A-W. A - Airplane G - Glider L - Lighter than Air P - Power-Parachute W- Weight-Shift-Control
	213-220	8	Positions are blank
Registrant's Region	222	1	1 - Eastern 2 - Southwestern 3 - Central 4 - Western-Pacific 5 - Alaskan 7 - Southern 8 - European C- Great Lakes E - New England S - Northwest Mountain
County Mail	224-226	3	A code representing the county which appears on the Application for Registration.
Country Mail	228-229	2	A code representing the country which appears on the Application for Registration.
Airworthiness Date	231-238	8	Date of Airworthiness
Cancel Date	240-247	8	Date of Cancelation
Mode S Code	249-256	8	Aircraft Transponder Code
Type Registration	258	1	1 = Individual 2 = Partnership 3 = Corporation 4 = Co-Ownership 5 = Government 7 = Non-Citizen Corporation 9 = Non-Citizen Co-Ownership
Export Country	260-277	18	Country Name
Last Activity Date	279-286	8	Format YYYY/MM/DD
Certificate Issue Date	288-295	8	Format YYYY/MM/DD

Element	Position Location in Record	Number of Positions	Description
Physical Address	297-329	33	Physical Address of Registrant.
2 nd Physical Address	331-363	33	2 nd Physical Address of Registrant.
Physical City	365-382	18	City of Registrant.
Physical State	384-385	2	State or foreign country of Registrant.
Physical Zip Code	387-396	10	Ten position alpha field or 'FORGN' for foreign countries
Physical County	398-400	3	A code representing the county which appears on the Application for Registration.
Physical Country	402-403	2	A code representing the country which appears on the Application for Registration.
Other Name 1	405-454	50	1 st co-owner or partnership name
Other Name 2	456-505	50	2 nd co-owner or partnership name
Other Name 3	507-556	50	3 rd co-owner or partnership name
Other Name 4	558-607	50	4 th co-owner or partnership name
Other Name 5	609-658	50	5 TH co-owner or partnership name
RECORD LENGTH	659 characters (Record is comma delimited)		