

AIRSPACE FIXES (FIX) DATA  
COMMA-SEPARATED VALUES (CSV) RECORD LAYOUT  
(FIX-FILES)

INFORMATION EFFECTIVE DATE: 08/10/2023

RECORD FORMAT: COMMA DELIMITED WITH TEXT FIELDS ENCLOSED WITHIN DOUBLE-QUOTE CHARACTERS

LOGICAL RECORD INTERVAL: ALL RECORDS WITHIN A SPECIFIC ILS FILE HAVE THE SAME NUMBER OF FIELDS, IN THE SAME ORDER AND RECORD ENDS AT A LINE TERMINATOR

DATA HEADERS: FIRST ROWS CONTAIN FIELD NAMES

FIX FILES: FIX\_BASE, FIX\_CHRT, FIX\_NAV

COMMON TO ALL FIX FILES: EFF\_DATE, FIX\_ID, ICAO\_REGION\_CODE, STATE\_CODE, COUNTRY\_CODE

GENERAL INFORMATION:

1. The FIX\_\*.csv files were designed to replace the legacy FIX.txt Subscriber File.
2. The Ordered By list for each FIX FILE documented below is also the Unique Record Key.
3. FIX\_\*.csv files contain the data found in the legacy FIX.txt Subscriber File. Data while comparable to the legacy FIX.txt is in some cases organized and presented in a different way.
4. Please enter any feedback in the Aeronautical Information Portal.

<https://nfdc.faa.gov/nfdcApps/controllers/PublicSecurity/nfdcLogin>

FIELD DESCRIPTIONS

*COMMON TO ALL*

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EFF\_DATE – The 28 Day NASR Subscription Effective Date in format ‘YYYY/MM/DD’.

FIX\_ID – Fixed Geographical Position Identifier.

ICAO\_REGION\_CODE – International Civil Aviation Organization (ICAO) Code. In General, the First Letter of an ICAO Code refers to the Country. The Second Letter discerns the Region within the Country.

STATE\_CODE – Associated State Post Office Code standard two letter abbreviation for US States and Territories.

COUNTRY\_CODE - Country Post Office Code

*FIX\_BASE ordered by FIX\_ID, ICAO\_REGION\_CODE*

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LAT\_DEG – FIX Latitude Degrees

LAT\_MIN – FIX Latitude Minutes

LAT\_SEC – FIX Latitude Seconds

LAT\_HEMIS – FIX Latitude Hemisphere

LAT\_DECIMAL – FIX Latitude in Decimal Format

LONG\_DEG – FIX Longitude Degrees

LONG\_MIN – FIX Longitude Minutes

LONG\_SEC – FIX Longitude Seconds

LONG\_HEMIS – FIX Longitude Hemisphere

LONG\_DECIMAL – FIX Longitude in Decimal Format

FIX\_ID\_OLD – Previous Name(s) of the Fix before It was Renamed.

CHARTING\_REMARK – Charting Information.

FIX\_USE\_CODE – FIX Type.

CN (COMPUTER NAVIGATION FIX)  
MR (MILITARY REPORTING POINT)  
MW (MILITARY WAYPOINT)  
NRS (NRS WAYPOINT)  
RADAR (RADAR)  
RP (REPORTING POINT)  
VFR (VFR WAYPOINT)  
WP (WAYPOINT)

ARTCC\_ID\_HIGH – Denotes High ARTCC Area Of Jurisdiction.

ARTCC\_ID\_LOW – Denotes Low ARTCC Area Of Jurisdiction.

PITCH\_FLAG - Pitch (Y = YES or N = NO)

CATCH\_FLAG – Catch (Y = YES or N = NO)

SUA\_ATCAA\_FLAG - SUA/ATCAA (Y = YES or N = NO)

MIN\_RECEP\_ALT - Fix Minimum Reception Altitude (MRA)

COMPULSORY – Compulsory FIX identified as HIGH or LOW or LOW/HIGH. Null in this field identifies Non-Compulsory FIX.

*FIX\_CHRT ordered by FIX\_ID, ICAO\_REGION\_CODE, CHARTING\_TYPE\_DESC*

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CHARTING\_TYPE\_DESC – Chart on Which Fix Is To Be Depicted

*FIX\_NAV ordered by FIX\_ID, ICAO\_REGION\_CODE, NAV\_ID, NAV\_TYPE*

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NAV\_ID – NAVAID Identifier.

NAV\_TYPE – Facility Type.

BEARING – Bearing, Radial, Direction or Course depending on Facility Type.

DISTANCE – DME Distance from Facility.