Federal Aviation Administration

Readme

Date: May 16, 2024

To: Users of the Aeronautical Information Service (AIS) 28 Day NASR Subscription

From: Aeronautical Information Services

Subject: Comma-Separated Values (CSV) files

There have been requests from users internal and external for an alternative to the flat text fixed length legacy subscriber files. The CSV files documented here are an attempt to meet this need of a more user-friendly data file. There is a full complement of the legacy subscriber data coded as CSV. Each CSV grouping is accompanied by a DATA LAYOUT document and a CSV DATA STRUCTURE file. See the Data Layout Document and CSV Data Structure File for further information on what data (including data types, max length, nullable, how displayed and organized) is contained in each. For those looking to transition from TXTs to CSVs, we have provided a Legacy TXT to CSV Mapping Document. You can Download it from a link at the top of the Preview and Current 28 Day NASR Subscription page.

Since CSV subscriber files are a new product, we may be making minor changes to the files through 2024 as user input is incorporated. The data within the files is valid data and operationally usable - like the legacy txt. Only the structure of the file may change. Like we do with the current TXT subscriber files, we will provide advance notice of format changes prior to release.

DATUM

The CSV subscriber files do not cite a datum for geodetic coordinates. All US coordinate information provided currently references NAD 83.

AIR TRAFFIC CONTROL COMMUNICATION CSV files – ATC_*.csv

The ATC_*.csv files were designed from a deconstruction of the legacy TWR.txt and AFF.txt Subscriber Files. ATC_*.csv files are not a complete replacement but a logical grouping of Tower specific data, Radio Call and Operator Data from TWR1 record, Services from TWR4 record, ATIS from TWR9 record, APCH/DEP Primary/Secondary Operator Hours from TWR2

record, ARTCC/CERAP data from AFF1 record, Remarks from the TWR6 record and ARTCC/CERAP remarks from AFF2.

The ATC_*.csv consists of the following files: ATC_BASE.csv, ATC_ATIS.csv, ATC_SVC.csv and ATC_RMK.csv.

AIRPORT CSV files – APT_*.csv

The APT_*.csv files were designed as an alternative file type/layout to the legacy APT.txt subscriber file. It contains the full complement of data that is found in the APT.txt, with the exception of any frequency data which is now located in the FRQ.csv. Data, while comparable to the legacy APT.txt, is in some cases organized and presented in a different way. The APT_*.csv files contain data that was not previously included in APT.txt subscriber – e.g. all airport contact information, not just OWNER/MANAGER, all Fuel Types, etc.

The APT_*.csv consists of the following files: APT_ARS.csv, APT_ATT.csv, APT_BASE.csv, APT_CON.csv, APT_RMK.csv, APT_RWY.csv and APT_RWY_END.csv.

AIRSPACE FIXES CSV files – FIX_*.csv

The FIX_*.csv files were designed as an alternative file type/layout to the legacy FIX.txt subscriber file. It contains the full complement of data that is found in the FIX.txt. Data, while comparable to the legacy FIX.txt, is in some cases organized and presented in a different way.

The FIX_*.csv consists of the following files: FIX_BASE.csv, FIX_CHRT.csv and FIX_NAV.csv.

AIRWAY CSV files – AWY_*.csv

UPDATE for 05/16/24: The Required Navigation Performance (RNP) value field, REQD_NAV_PERFORMANCE, was added to the AWY_ALT.csv file. The field is not currently utilized but there is a plan to add airways containing RNP values in the near future. A new CSV that merges AWY_SEG.csv and AWY_ALT.csv called AWY_SEG_ALT.csv has been added to the AWY_*,zip grouping. The goal is to sunset AWY_SEG.csv and AWY_ALT.csv after the Aug 8th 2024 Effective Date. The following corrections were done to the AWY CSV Structure file: AWY_SEG_GAP_FLG corrected to AWY_SEG_GAP_FLAG and AIRWAY_STRING corrected to MAX Length 1500. The Layout document and CSV Structure file were updated to reflect the additions and/or corrections.

This is an Enroute Charting file that is only generated new every 56 days

The AWY_*.csv files were designed as an alternative file type/layout to the legacy AWY.txt and ATS.txt subscriber files. It does not contain the full complement of data that is in the AWY.txt and ATS.txt. Several data items removed as non-essential. A new column called REGULATORY added to be able to combine the two files. Airways designated as REGULATORY "Y" correspond to AWY.txt and REGULATORY "N" correspond to ATS.txt.

Data, while comparable to the legacy AWY.txt and ATS.txt, is in some cases organized and presented in a different way.

The AWY_*.csv consists of the following files: AWY_BASE.csv, AWY_ALT.csv, AWY_SEG.csv and AWY_SEG_ALT.csv.

ARTCC BOUNDARY DATA CSV file – ARB.csv

This is an Enroute Charting file that is only generated new every 56 days.

The ARB_*.csv files were designed as an alternative file type/layout to the legacy ARB.txt subscriber file and the legacy AFF1 record of the AFF.txt subscriber file. It contains the full complement of data that is found in the ARB.txt and info specific to ARTCCs found in the AFF1 record of the AFF.txt. Data, while comparable to the legacy ARB.txt and AFF.txt, is in some cases organized and presented in a different way.

The ARB_*.csv consists of the following files: ARB_BASE.csv and ARB_SEG.csv.

ASOS/AWOS CSV file – AWOS.csv

The AWOS.csv file was designed as an alternative file type/layout to the legacy AWOS.txt subscriber file. It contains the full complement of data that is found in the AWOS.txt with the exception of the frequency data which can be found in FRQ.csv. Data, while comparable to the legacy AWOS.txt, is in some cases organized and presented in a different way.

CLASS AIRSPACE CSV file – CLS_ARSP.csv

The CLS_ARSP.csv was designed from a deconstruction of the legacy TWR.txt Subscriber File as a logical grouping of the data found in the TWR8 record - CLASS B/C/D/E AIRSPACE AND AIRSPACE HOURS DATA.

CODED DEPARTURE ROUTES CSV file – CDR.csv

UPDATE for 05/16/24: The following correction was done to the CDR CSV Structure file: TCNTRS and LENGTH corrected to Nullable Yes. Due to an issue with the RMT software, these fields may be null.

This is an Enroute Charting file that is only generated new every 56 days

The CDR.csv was designed to replace the legacy CDR.txt Subscriber File. Data while comparable to the legacy CDR.txt also includes a header row and six additional columns - ACNTR, TCNTRs, CoordReq, Play, NavEqp and Length.

COMMUNICATIONS OUTLET FACILITIES CSV file – COM.csv

The COM.csv file was designed as a logical grouping of all Communications Outlet Facilities found in the legacy COM.txt and AFF.txt subscriber files. It contains the full complement of

data that is found in the COM.txt as well as RCAG data from the legacy AFF.txt subscriber file. Data, while comparable to the legacy COM.txt and AFF.txt, is in some cases organized and presented in a different way.

FLIGHT SERVICE STATIONS CSV files – FSS_*.csv

The FSS_*.csv files were designed as an alternative file type/layout to the legacy FSS.txt subscriber file. It does not contain the full complement of data that is in the FSS.txt. FSS frequency data moved to FRQ.csv. FSS.txt items that are redundant because they are contained in other legacy subscriber products are not included here. Owner and Operator information removed as all US FSS are FAA owned and operated. Data, while comparable to the legacy FSS.txt, is in some cases organized and presented in a different way.

The FSS_*.csv consists of the following files: FSS_BASE.csv and FSS_RMK.csv.

FREQUENCY CSV file – FRQ.csv

UPDATE for 05/16/24: The following corrections were done to the FRQ CSV Structure file: SERVICED_SITE_TYPE corrected to MAX Length 25, LAT/LONG DECIMAL corrected to Nullable Yes, and TOWER_OR_COMM_CALL corrected to MAX Length 30.

The FRQ.csv was designed as a comprehensive frequency data file. It is a consolidation of the frequency, use, and airport servicing that is currently reported in the TWR.txt and AFF.txt legacy subscriber files, specifically in the TWR3, TWR7, AFF3 and AFF4 records. It also includes RCO from COM.txt, GCO/CTAF/UNICOM from RMK record type in the APT.txt, ASOS/AWOS from AWOS.txt and FSS/RADIO from FSS.txt.

HOLDING PATTERN CSV files – HPF_*.csv

The HPF_*.csv files were designed as an alternative file type/layout to the legacy HPF.txt subscriber file. It contains the full complement of data that is found in the HPF.txt. Data, while comparable to the legacy HPF.txt, is in some cases organized and presented in a different way.

The HPF_*.csv consists of the following files: HPF_BASE.csv, HPF_CHRT.csv, HPF_RMK.csv and HPF_SPD_ALT.csv.

INSTRUMENT LANDING SYSTEM CSV files – ILS_*.csv

The ILS_*.csv files were designed as an alternative file type/layout to the legacy ILS.txt subscriber file. It contains the full complement of data that is found in the ILS.txt. It does not, however, contain DECOMMISIONED Systems or Components. Data, while comparable to the legacy ILS.txt, is in some cases organized and presented in a different way.

The ILS_*.csv consists of the following files: ILS_BASE.csv, ILS_DME.csv, ILS_GS.csv, ILS_MKR.csv and ILS_RMK.csv.

LOCATION IDENTIFIER DATA CSV file – LID.csv

UPDATE for 05/16/24: The following correction was done to the LID CSV Structure file: STATE_CODE corrected to STATE with MAX Length of 30.

The LID.csv file was designed as an alternative file type/layout to the legacy LID.txt subscriber file. It contains the full complement of data that is found in the LID.txt. Data, while comparable to the legacy LID.txt, is in some cases organized and presented in a different way.

MILITARY OPERATIONS CSV file – MIL_OPS.csv

The MIL_OPS.csv was designed from a deconstruction of the legacy TWR.txt Subscriber File as a logical grouping of military data found in the TWR1 and TWR2 records.

MILITARY TRAINING ROUTE CSV files – MTR_*.csv

This is an Enroute Charting file that is only generated new every 56 days.

The MTR_*.csv files were designed as an alternative file type/layout to the legacy MTR.txt subscriber file. It contains the full complement of data that is found in the MTR.txt. Data, while comparable to the legacy MTR.txt, is in some cases organized and presented in a different way.

The MTR_*.csv consists of the following files: MTR_BASE.csv, MTR_AGY.csv, MTR_PT.csv, MTR_SOP.csv, MTR_TERR.csv and MTR_WDTH.csv

MISCELLANEOUS ACTIVITY AREA CSV files – MAA_*.csv

The MAA_*.csv files were designed as an alternative file type/layout to the legacy MAA.txt subscriber file. It contains the full complement of data that is found in the MAA.txt. Data, while comparable to the legacy MAA.txt, is in some cases organized and presented in a different way.

The MAA_*.csv consists of the following files: MAA_BASE.csv, MAA_CON.csv, MAA_RMK and MAA_SHP.csv.

NAVIGATION AID CSV files – NAV_*.csv

The NAV_*.csv files were designed as an alternative file type/layout to the legacy NAV.txt subscriber file. It contains the full complement of data that is found in the NAV.txt. It does not, however, contain DECOMMISIONED NAVAIDs. Data, while comparable to the legacy NAV.txt, is in some cases organized and presented in a different way.

The NAV_*.csv consists of the following files: NAV_BASE.csv, NAV_CKPT.csv and NAV_RMK.csv.

PARACHUTE JUMP AREA CSV files – PJA_*.csv

UPDATE for 05/16/24: The following correction was done to the PJA CSV Structure file: FAC_NAME corrected to MAX Length 50.

This is an Enroute Charting file that is only generated new every 56 days.

The PJA_*.csv files were designed as an alternative file type/layout to the legacy PJA.txt subscriber file. It contains the full complement of data that is found in the PJA.txt. Data, while comparable to the legacy PJA.txt, is in some cases organized and presented in a different way.

The PJA_*.csv consists of the following files: PJA_BASE.csv and PJA_CON.csv.

PREFERRED ROUTE CSV files – PFR_*.csv

UPDATE for 05/16/24: A new CSV file called PFR_RMT_FMT.csv has been added to the PFR_*,zip grouping. This new file was developed to match the prefroutes_db.csv that can be downloaded from the RMT website.   The Layout document and CSV Structure file were updated to reflect the addition. https://www.fly.faa.gov/rmt/nfdc_preferred_routes_database.jsp

This is an Enroute Charting file that is only generated new every 56 days.

The PFR_*.csv files are designed as an alternative file type/layout to the legacy PFR.txt subscriber file. It contains the full complement of data that is found in the legacy PFR.txt subscriber file. Data, while comparable to the legacy PFR.txt, is in some cases organized and presented in a different way.

The PFR_*.csv consists of the following files: PFR_BASE.csv, PFR_SEG.csv and PFR_RMT_FMT.csv.

RADAR CSV file – RDR.csv

The RDR.csv was designed from a deconstruction of the legacy TWR.txt Subscriber File as a logical grouping of radar data found in the TWR5 record.

STANDARD DEPARTURE PROCEDURE CSV files – DP_*.csv

UPDATE for 05/16/24: The following correction was done to the DP CSV Structure file: ARPT_RWY_ASSOC corrected to MAX Length 1500. Also, The DP_RTE.csv SQL Code was updated to insert "NOT ASSIGNED" when DP_COMPUTER_CODE is null.

This is an Enroute Charting file that is only generated new every 56 days

The DP_*.csv files were designed as an alternative file type/layout of the Departure Procedure (DP) information from the legacy STARDP.txt subscriber file. It contains a full complement of the DP data that is in the STARDP.txt. Data, while comparable to the legacy STARDP.txt, is in some cases organized and presented in a different way.

The DP_*.csv consists of the following files: DP_BASE.csv, DP_APT.csv and DP_RTE.csv.

STANDARD TERMINAL ARRIVAL CSV files – STAR_*.csv

This is an Enroute Charting file that is only generated new every 56 days

The STAR_*.csv files were designed as an alternative file type/layout of the Standard Terminal Arrival (STAR) information from the legacy STARDP.txt subscriber file. It contains a full complement of the STAR data that is in the STARDP.txt. Data, while comparable to the legacy STARDP.txt, is in some cases organized and presented in a different way.

The STAR_*.csv consists of the following files: STAR_BASE.csv, STAR_APT.csv and STAR_RTE.csv.

WEATHER REPORTING LOCATIONS CSV files – WXL_*.csv

This is an Enroute Charting file that is only generated new every 56 days.

The WXL_*.csv files were designed as an alternative file type/layout to the legacy WXL.txt subscriber file. It contains the full complement of data that is found in the WXL.txt. Data, while comparable to the legacy WXL.txt, is in some cases organized and presented in a different way.

The WXL_*.csv consists of the following files: WXL_BASE.csv and WXL_SVC.csv.

Feedback greatly appreciated. Please enter your feedback in the Aeronautical Information Portal. https://nfdc.faa.gov/nfdcApps/controllers/PublicSecurity/nfdcLogin