



Federal Aviation Administration

Readme

Date: November 30, 2023

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 the need. The goal is to have a full complement of subscriber data coded as CSV files by the end of the 2023 calendar year. There is a DATA LAYOUT document and a CSV DATA STRUCTURE file for each resource grouping. 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.

CSV subscriber files are currently in development. We may be making minor changes to the files on the web through 2023 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.

DATUM

The CSV subscriber files do not cite a datum for geodetic coordinates.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

AERONAUTICAL BOUNDARY SEGMENTS DATA CSV file – ARB.csv

UPDATE 11/30/23: ARB.csv was renamed ARB_SEG.csv and ARB_BASE.csv file added. There is no change to ARB.csv other than the name change. The new ARB_BASE.csv contains information specific to Locations identified in the ARB_SEG.csv. Layout and CSV Data Structure Files have been updated to reflect changes.

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.

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

UPDATE 11/30/23: A CHARTS column was added to the end of the FIX_BASE.csv file. It is a concatenated list separated by a comma of all charts for a given FIX that can also be found in separate rows in the FIX_CHART.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 11/30/23: Added a unique number to the Border Crossing in AWY_SEG.csv and AWY_ALT.csv so that the unique keys will now be AWY_ID, AWY_LOCATION, SEG_VALUE in AWY_SEG.csv and AWY_ID, AWY_LOCATION, MEA_PT in

AWY_ALT.csv. Compares done based on the new keys will be more meaningful and easier to interpret. This number while unique to a given AWY_ID/AWY_LOCATION is not necessarily sequential. Layout and CSV Data Structure Files have been updated to reflect changes.

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 and AWY_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

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 five additional columns - ACNTR, TCNTRs, CoordReq, Play and NavEqp.

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 11/30/23: Major Overhaul... Several columns that are included elsewhere in the CSVs removed to streamline the FRQ.csv. Latitude and Longitude added to Served Facilities making it easier to filter the file to a specific region. Remark column added which may contain new information. Freq_use column in many cases has been altered or split between Freq_Use and Remark. GCO, CTAF and UNICOM no longer listed as a Facility Type but as a Freq_Use. Modifications made to Facility_Type and Serviced_Site_Type_Code. Layout and CSV Data Structure Files updated to reflect changes.

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 DECOMMISSIONED 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

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.

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 DECOMMISSIONED 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 APT_RMK.csv.

PARACHUTE JUMP AREA CSV files – PJA_*.csv

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

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.

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

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.

UPDATE 11/30/23: The Following CSV files added new for this cycle:

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 WXL_SHP.csv.

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