Federal Aviation Administration

Readme

Date: November 26, 2026

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The CSV subscriber files do not cite a datum for geodetic coordinates.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.

SUNSETTING OF LEGACY .TXT SUBSCRIBER FILES

FAA is in the process of sunsetting the legacy .txt NASR subscriber files. The .txt format NASR subscriber files will be replaced with a set of .csv format subscriber files, which are currently available. Legacy TXT NASR Subscriber Files will be generated and made available through the end of the 2026 calendar year. TXT NASR Subscriber files will no longer be available beginning

January 21, 2027 ahead of the February 18, 2027 effective cycle. A Legacy TXT to CSV Mapping Document is available for download via the main 28-Day Subscription page to ease transition.

NOTE: An enhancement to the NASR database was made and is effective for the 03 September 2026 AIRAC cycle. After this NASR release, .txt subscriber files will no longer contain new data entrants in NASR. New data entrants will be available only in .csv subscriber files.

NOTE: An enhancement to the NASR database was made to incorporate format changes identified below and is effective for the 03 September 2026 AIRAC cycle. Test TXT and CSV versions of the NASR subscriber files are available to Users and can be accessed at the following link: https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/NASR_Subscription/ . A Data Product Notice (DPN) has been issued that further describes the NASR Subscriber file format changes and provides Users with a link to access the Test Subscribers. The DPN may be found at the following link: https://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/media/NASR_26-01_DPN_10.1_Subscriber_Enhancement.pdf .

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

UPDATE for 12/24/26: AIRPORT (APT_BASE.csv) CUSTOMS AND BORDER PROTECTION DATA REMOVAL – U.S. Customs and Border Protection (CBP) data in the CUST_FLAG, LNDG_RIGHTS_FLAG, and USER_FEE_FLAG data fields found in APT_BASE.csv will be removed from the NASR database and no longer contained in NASR Subscriber files as of the December 24, 2026 effective date. These fields in the APT_BASE.csv subscriber file will be NULL beginning with the 12/24/2026 AIRAC cycle. Reference remarks associated with these fields will also be deleted. Customs related remarks currently published in the Airport Remarks, Seaplane Remarks, and Military Remarks will remain. Comparable CBP data in a .CSV format can be found on the CBP website at: https://www.cbp.gov/travel/general-aviation-processing/general-aviation-airports . A Data Product Notice (DPN) has been issued that further describes the removal of CBP data from the NASR Subscriber file data set and provides Users with a link to the CBP site. The DPN may be found at the following link: https://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/media/NASR_26-03_DPN_CBP_Data_Removal.pdf .

UPDATE for 09/03/26 FORMAT CHANGE: AIRPORT (APT_RWY.csv) PAVEMENT CLASSIFICATION FIELD CHANGE – Software changes were made to incorporate Pavement Classification Rating (PCR) in the APT_RWY.csv NASR Subscriber File and is effective for the 03 September 2026 AIRAC cycle. A new "PAVEMENT CLASSIFICATION" column will be added to the APT_RWY.csv subscriber file which will denote either "PCN" or "PCR". With the transition towards utilizing the PCR method for rating the strength of an airport runway, the current PCN fields will reflect either PCN values or PCR values (but not both), or null. For PCN or PCR, the PCN/PCR number is concatenated with the Pavement type, Subgrade Strength, Tire Pressure, and Evaluation Method. Since PCR Number allows for up to 4 characters, the PCN/PCR Number field will increase from 3 characters to 4 characters. Initial population of the new "PAVEMENT CLASSIFICATION" data field has yet to be determined. Therefore, the current practice of displaying PCN values in the data fields and PCR values in a reference remark may continue after the deployment of the NASR enhancement until the fields can be properly populated and the reference remarks removed.

UPDATE for 11/27/25: AIRPORT (APT_BASE.csv) NEW FUEL TYPES – Three new fuel types are available in the .csv subscriber files beginning with the 27 November 2025 AIRAC cycle.

- H – Hydrogen
- G100UL – Unleaded Grade 100 gasoline. Note: G100 in the .txt subscriber file is the same as G100UL in the .csv subscriber file
- 100R - Unleaded Grade 100 gasoline

NOTE: G100 and G100UL are the same fuel types. Due to character limit constraints associated with the .txt subscriber file format, G100UL has been truncated to G100.

UPDATE for 12/26/24: AIRPORT (APT_BASE.csv) BASED AIRCRAFT AND ANNUAL OPERATIONS DATA – The based aircraft and annual operations data fields found in the APT_BASE.csv data set have been removed from the APT_BASE.csv file beginning with the December 26, 2024 effective cycle. These fields in the CSV APT_BASE.csv subscriber file are NULL beginning with the 09/05/2024 effective cycle.

UPDATE for 09/05/24: AIRPORT (APT_BASE.csv) BASED AIRCRAFT AND ANNUAL OPERATIONS DATA – The based aircraft and annual operations data in the APT_BASE.csv data set, elements A90-96 and A100-105, has been removed from the NASR database and is no longer contained in NASR Subscriber files as of the September 5, 2024 effective date. These fields in the CSV APT_BASE.csv subscriber file are NULL. Information regarding based aircraft can be found at the National Based Aircraft Inventory Program located on the web at https://basedaircraft.com/ . Information on aircraft operations is available from FAA's FAA Aviation System Performance Metrics https://aspm.faa.gov.

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 for 09/03/26 FORMAT CHANGE: FIX (FIX_BASE.csv, FIX_CHRT.csv) NEW CHARTING TYPE – A new ATS Airway Designation in the AWY_BASE.csv NASR Subscriber File is effective for the 03 September 2026 AIRAC cycle. SP = SPECIAL ROUTE Designation and description was added to the AWY_BASE.csv Subscriber File. Fixes that are part of these routes will be denoted with a "SPECIAL ENROUTE" charting type in FIX_BASE.csv under "CHARTS" and in FIX_CHRT.csv under "CHARTING TYPE DESC".

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 09/03/26 FORMAT CHANGE: ATS NON-REGULATORY AIRWAYS (AWY_BASE.csv) ATS AIRWAY DESIGNATION ADDITION – A new ATS Airway Designation was added to the AWY_BASE.csv NASR Subscriber File effective for the 03 September 2026 AIRAC cycle. SP = SPECIAL ROUTE Designation and description was added to the AWY_BASE.csv Subscriber File. "Special, non-regulatory (non-Part 95) ZK Routes are low-level, IFR, performance-based (RNAV) navigation routes primarily used by Helicopter Air Ambulance operators. They are not included on public charts. You may not file or use these routes without approval from FAA Flight Standards. These Special airways will be updated on a 56-day cycle.".

UPDATE for 09/04/25: Beginning with the August 7, 2025 effective date, four AK Capstone Routes were added to the AWY_*.csv file. Users must have specific FAA authorization, through Operation Specifications or Letter of Authorization, obtained from Flight Standards to use the following routes: R2010, R2015, R2020, R2025. The aircraft's lateral deviation display scaling must support the RNP 1 EnRoute Operations.

UPDATE for 09/05/24: 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. AWY_SEG.csv and AWY_ALT.csv have been removed. Also, MEA_GAP description in the AWY Layout Document was updated to include the "N" value.

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 and AWY_SEG_ALT.csv.

ARTCC BOUNDARY DATA CSV files – 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

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

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

NOTE: JO 7350.9 (Location Identifiers) outlines two-letter, two-number identifiers that are assigned to private-use landing facilities in the United States and its jurisdictions which do not

meet the requirements for three-character assignments. LOCID order JO 7350.9 is scheduled to incorporate new supplemental state codes tentatively effective for the 24 DEC 2026 AIRAC cycle. NASR is scheduled to incorporate these new supplemental state codes tentatively for the 24 DEC 2026 AIRAC cycle.

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

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 09/03/26 FORMAT CHANGE: PREFERRED ROUTES (PFR_BASE.csv, PFR_RMT_FMT.csv) INCREASED DESIGNATOR, DESCRIPTION, AND AIRCRAFT FIELD SIZE – Software changes were made to increase the field size of the "Designator" field, the “Special Area Description” field, and the "Aircraft" field for all PFR route types in the PFR_BASE.csv and PFR_RMT_FMT.csv NASR Subscriber Files effective for the 03 September 2026 AIRAC cycle. (for PFR_RMT_FMT.csv, only the “Special Area Description” and "Aircraft" fields apply). In the Designator field, the number of characters allowed will increase from 5 characters to 16 characters. The “Special Area Description” field will increase from 75 characters to 150 characters. The "Aircraft" field will increase to allow up to 100 characters.

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

NOTE for 09/03/26: The sequence of points (“POINT” data field) for all “ROUTE PORTION TYPE” s (BODY, TRANSITION) listed in DP_RTE.csv have been reversed due, in part, to recent NASR system changes. Point sequence reversal for DP Transitions and Bodies now reflects the flight path of the aircraft departing the intended airport(s) that the DP services. Aside from expected AIRAC cycle changes effective for 09/03/2026, this change should have no other impact on the Departures contained in DP_RTE.csv.

UPDATE for 09/05/24: The RWY_END_ID field in the DP_APT.csv file previously contained a null value when there was no applicable runway end identifier. A null assumed all runway ends at a given airport. The null value has been amended to ‘ALL’ to facilitate using the field as part of the primary key. The DP_CSV_DATA_STRUCTURE.csv has been amended to reflect ‘No’ for ‘Nullable’.

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

NOTE for 09/03/26: The sequence of points ("POINT" data field) for all "ROUTE PORTION TYPE" s (BODY, TRANSITION) listed in STAR_RTE.csv have been reversed due, in part, to recent NASR system changes. Point sequence reversal for STAR Transitions and Bodies now reflects the flight path of the aircraft arriving at the intended airport(s) that the STAR services. Aside from expected AIRAC cycle changes effective for 09/03/2026, this change should have no other impact on the Arrivals contained in STAR_RTE.csv.

UPDATE for 09/05/24: The RWY_END_ID field in the STAR_APT.csv file previously contained a null value when there was no applicable runway end identifier. A null assumed all runway ends at a given airport. The null value has been amended to 'ALL' to facilitate using the field as part of the primary key. The STAR_CSV_DATA_STRUCTURE.csv has been amended to reflect 'No' for 'Nullable'.

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

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