PREFERRED ROUTE DATA

COMMA-SEPARATED VALUES (CSV) RECORD LAYOUT

(PFR-FILES)

INFORMATION EFFECTIVE DATE: 05/16/2024

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

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

DATA HEADERS: FIRST ROW CONTAINS FIELD NAMES

PFR FILES: PFR_BASE, PFR_SEG, PFR_RMT_FMT

COMMON TO ALL PFR FILES: EFF_DATE, ORIGIN_ID, DSTN_ID, PFR_TYPE_CODE, ROUTE_NO (excluding PFR_RMT_FMT, see General Info #4)

GENERAL INFORMATION:

1. The PFR_*.csv files were designed to replace the legacy PFR.txt Subscriber File.
2. The Ordered By list for each PFR FILE documented below is also the Unique Record Key.
3. PFR_*.csv file contains the data 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.
4. PFR_RMT_FMT was designed to be an exact match to the RMT prefroutes_db.csv download.
5. Please enter any feedback in the Aeronautical Information Portal. https://nfdc.faa.gov/nfdcApps/controllers/PublicSecurity/nfdcLogin

FIELD DESCRIPTION

COMMON TO ALL (excluding PFR_RMT_FMT)

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EFF_DATE – The 28 Day NASR Subscription Effective Date in format 'YYYY/MM/DD'.

ORIGIN_ID – Origin Facility Location Identifier (Depending on NAR Type and Direction, Origin ID Is either Coastal Fix or Inland NAV Facility or Fix)

DSTN_ID – Destination Facility Location Identifier (Depending on NAR Type and Direction, Destination ID Is either Airport, Coastal Fix or Inland NAV Facility or Fix)

PFR_TYPE_CODE –Type Code of Preferred Route Description.

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CODE            DESCRIPTION
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L               LOW ALTITUDE
H               HIGH ALTITUDE
LPD             LOW ALTITUDE PREFERRED DIRECTION
HPD             HIGH ALTITUDE PREFERRED DIRECTION
SLD             SPECIAL LOW ALTITUDE DIRECTIONAL
SHD             SPECIAL HIGH ALTITUDE DIRECTIONAL
TEC             TOWER ENROUTE CONTROL
NAR             NORTH AMERICAN ROUTE
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ROUTE_NO – Route Identifier Sequence Number (1-99)

PFR_BASE ordered by ORIGIN_ID, DSTN_ID, PFR_TYPE_CODE, ROUTE_NO

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ORIGIN_CITY – Origin Facility Associated City Name.

ORIGIN_STATE_CODE – This is the two letter state ID of the Origin Facility location. NULL if outside the US.

ORIGIN_COUNTRY_CODE – Country Code of the Origin Facility Located.

DSTN_CITY – Destination Facility Associated City Name.

DSTN_STATE_CODE – This is the two letter state ID of the Destination Facility location. NULL if outside the US.

DSTN_COUNTRY_CODE – Country Code of the Destination Facility Located.

SPECIAL_AREA_DESCRIP – Preferred Route Area Description.

ALT_DESCRIP – Preferred Route Altitude Description.

AIRCRAFT – Aircraft Allowed/Limitations Description

HOURS – Effective Hours (GMT) Description * All Preferred IFR Routes are in Effect Continuously Unless Otherwise Noted.

ROUTE_DIR_DESCRIP – Route Direction Limitations Description

DESIGNATOR – Preferred Route Designator if applicable

NAR_TYPE – North American Route Type (COMMON, NON-COMMON)

INLAND_FAC_FIX – North American Route Inland NAV Facility or Fix is the Origin on COMMON EASTBOUND and NON-COMMON (Eastbound or Westbound) and the Destination on COMMON WESTBOUND.

COASTAL_FIX – North American Route Coastal Fix is the Origin on COMMON WESTBOUND and the Destination on COMMON EASTBOUND.

DESTINATION – North American Route Destination for NON_COMMON (Eastbound or Westbound).

ROUTE_STRING – Preferred Route String. *Canadian DPs and STARs will use the generic format of "-DP" and "-STAR". See the Canadian Aeronautical Data for the correct amendment number for filing.

PFR_SEG ordered by ORIGIN_ID, DSTN_ID, PFR_TYPE_CODE, ROUTE_NO, SEG_VALUE, NEXT_SEG

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SEGMENT_SEQ – A sequencing number in multiples of five for each SEG_VALUE. Segment Values are in order adapted for each Preferred Route.

SEG_VALUE – The Segment ID Value for each Element of the Route String from PFR_BASE.

SEG_TYPE – The Segment Type of the Segment ID Value.

STATE_CODE – This is the two letter state ID of the Segment Values that are within the US and are Type FIX, FRD, NAVAID or RADIAL. Segment Values outside the US or Types AIRWAY, DP or STAR are NULL.

COUNTRY_CODE – Country Code for Types FIX, FRD, NAVAID or RADIAL. Segment Value Types AIRWAY, DP or STAR are NULL.

ICAO_REGION_CODE – This is the two letter ICAO Region Code for FIX Segment Types only.

NAV_TYPE – Specific NAVAID Type for Segment Value Types NAVAID, RADIAL or FRD.

NEXT_SEG – The Segment ID Value of the Element that directly follows the current Segment Value.

PFR_RMT_FMT ordered by Orig, Dest, Type, Seq

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Orig – Origin Facility Location Identifier (Depending on NAR Type and Direction, Origin ID Is either Coastal Fix or Inland NAV Facility or Fix)

Route String – Preferred Route String which starts with Orig and ends with Dest. *Canadian DPs and STARs will use the generic format of "-DP" and "-STAR". See the Canadian Aeronautical Data for the correct amendment number for filing.

Dest – Destination Facility Location Identifier (Depending on NAR Type and Direction, Destination ID Is either Airport, Coastal Fix or Inland NAV Facility or Fix)

Hours1 – Effective Hours (GMT) Description * All Preferred IFR Routes are in Effect Continuously Unless Otherwise Noted.

Type –Type Code of Preferred Route Description.

CODE	DESCRIPTION
L	LOW ALTITUDE
H	HIGH ALTITUDE
LPD	LOW ALTITUDE PREFERRED DIRECTION
HPD	HIGH ALTITUDE PREFERRED DIRECTION
SLD	SPECIAL LOW ALTITUDE DIRECTIONAL
SHD	SPECIAL HIGH ALTITUDE DIRECTIONAL
TEC	TOWER ENROUTE CONTROL
NAR	NORTH AMERICAN ROUTE

Area – Preferred Route Area Description.

Altitude – Preferred Route Altitude Description.

Aircraft– Aircraft Allowed/Limitations Description

Direction – Route Direction Limitations Description

Seq – Route Identifier Sequence Number (1-99)

DCNTR – Departure ARTCC associated with a given PFR.

ACNTR – Arrival ARTCC associated with a given PFR.