INSTRUMENT LANDING SYSTEM (ILS) DATA

COMMA-SEPARATED VALUES (CSV) RECORD LAYOUT

(ILS-FILES)

INFORMATION EFFECTIVE DATE: 08/11/2022

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

ILS FILES: ILS\_BASE, ILS\_GS, ILS\_DME, ILS\_MKR, ILS\_RMK

COMMON TO ALL ILS FILES: EFF\_DATE, SITE\_NO, SITE\_TYPE\_CODE, STATE\_CODE, ARPT\_ID, CITY, COUNTRY\_CODE, RWY\_END\_ID, ILS\_LOC\_ID, SYSTEM\_TYPE\_CODE

GENERAL INFORMATION:

1. The ILS\_\*.csv files were designed to replace the legacy ILS.txt Subscriber File.
2. The Ordered By list for each ILS FILE documented below is also the Unique Record Key.
3. ILS\_\*.csv files contain the data found in the legacy ILS.txt Subscriber File. Data while comparable to the legacy ILS.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’.

SITE\_NO – Landing Facility Site Number. A unique identifying number.

SITE\_TYPE\_CODE – Landing Facility Type Code.

CODE FACILITY

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A AIRPORT

B BALLOONPORT

C SEAPLANE BASE

G GLIDERPORT

H HELIPORT

U ULTRALIGHT

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

ARPT\_ID – Location Identifier. Unique 3-4 character alphanumeric identifier assigned to the Landing Facility.

CITY – Associated City Name

COUNTRY\_CODE - Country Post Office Code

RWY\_END\_ID – ILS Runway End Identifier

ILS\_ID – ILS Identification

SYSTEM\_TYPE\_CODE – ILS System Type.

System Type Code System Type Description

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LS ILS Instrument Landing System

SF SDF Simplified Directional Facility

LC LOC Localizer

LA LDA Localizer-Type Directional Aid

LD ILS/DME Instrument Landing System/Distance Measuring Equipment

SD SDF/DME Simplified Directional Facility/Distance Measuring Equipment

LE LOC/DME Localizer/Distance Measuring Equipment

LG LOC/GS Localizer/Glide Slope

DD LDA/DME Localizer-Type Directional Aid/Distance Measuring Equipment

*ILS\_BASE ordered by SITE\_NO, SITE\_TYPE\_CODE, RWY\_END\_ID*

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STATE\_NAME – Associated State Name

REGION\_CODE – FAA Region responsible for NAVAID (code)

CODE REGION NAME

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AAL ALASKA

ACE CENTRAL

AEA EASTERN

AGL GREAT LAKES

ANE NEW ENGLAND

ANM NORTHWEST MOUNTAIN

ASO SOUTHERN

ASW SOUTHWEST

AWP WESTERN-PACIFIC

RWY\_LEN – ILS Runway Length in Whole Feet

RWY\_WIDTH – ILS Runway Width in Whole Feet

CATEGORY – Category of the ILS

OWNER\_NAME – ILS OWNER NAME

OPR\_NAME – ILS OPERATOR NAME

APCH\_BEAR – ILS Approach Bearing in Degrees Magnetic

MAG\_VAR – Magnetic Variation Degrees

MAG\_VAR\_HEMIS – Magnetic Variation Direction

COMPONENT\_STATUS – Operational Status of Localizer

COMPONENT\_STATUS\_DATE – Effective Date of Localizer Operational Status

LAT\_DEG – Localizer Antenna Latitude Degrees

LAT\_MIN – Localizer Antenna Latitude Minutes

LAT\_SEC – Localizer Antenna Latitude Seconds

LAT\_HEMIS – Localizer Antenna Latitude Hemisphere

LAT\_DECIMAL – Localizer Antenna Latitude in Decimal Format

LONG\_DEG – Localizer Antenna Longitude Degrees

LONG\_MIN – Localizer Antenna Longitude Minutes

LONG\_SEC – Localizer Antenna Longitude Seconds

LONG\_HEMIS – Localizer Antenna Longitude Hemisphere

LONG\_DECIMAL – Localizer Antenna Longitude in Decimal Format

LAT\_LONG\_SOURCE\_CODE – Code Indication Source of Latitude/Longitude Information

CODE SOURCE

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C COAST GUARD

D CANADIAN AIRAC

F FAA

FS TECH OPS (AFS-530)

G NOS (HISTORICAL)

K NGS

M DOD (NGA)

N US NAVY

O OWNER

P NOS PHOTO SURVEY (HISTORICAL)

Q QUAD PLOT (HISTORICAL)

R ARMY

S SIAP

T 3RD PARTY SURVEY

Z SURVEYED

DIST\_FRM\_AER – Distance of Localizer Antenna from Approach End of Runway in Feet (If Negative Indicates Placement Inboard from Approach End of Runway)

DIST\_FRM\_CNTR\_LINE – Distance of Localizer Antenna from Runway Centerline in Feet

DIR\_FRM\_CNTR\_LINE – Direction of Localizer Antenna from Runway Centerline

DIST\_DIR\_SOURCE\_CODE – Code Indicating Source of Distance Information

CODE SOURCE

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SITE\_ELEVATION – Site Elevation of Localizer Antenna in Tenth of a Foot (MSL).

LOC\_FREQ – Localizer Frequency (MHZ)

BK\_COURSE\_STATUS\_CODE - Localizer Back Course Status

CRS\_WIDTH – Localizer Course Width (Degrees and Hundredths)

CRS\_WIDTH\_AT\_THRESH - Localizer Course Width at Threshold

DIST\_FRM\_RWY\_STOP - Localizer Distance from Stop End of Rwy in Feet (If Negative Indicates Placement Inboard from Stop End of Runway)

DIR\_FRM\_RWY\_STOP - Localizer Direction from Stop End of Rwy

LOC\_SERVICES\_CODE - Localizer Services Code

CODE SERVICE

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AP APPROACH CONTROL

AT AUTOMATED TERMINAL INFORMATION SERVICES

NV NO VOICE

*ILS\_GS ordered by SITE\_NO, SITE\_TYPE\_CODE, RWY\_END\_ID*

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COMPONENT\_STATUS – Operational Status of Glide Slope

COMPONENT\_STATUS\_DATE – Effective Date of Glide Slope Operational Status

LAT\_DEG – Glide Slope Transmitter Antenna Latitude Degrees

LAT\_MIN – Glide Slope Transmitter Antenna Latitude Minutes

LAT\_SEC – Glide Slope Transmitter Antenna Latitude Seconds

LAT\_HEMIS – Glide Slope Transmitter Antenna Latitude Hemisphere

LAT\_DECIMAL – Glide Slope Transmitter Antenna Latitude in Decimal Format

LONG\_DEG – Glide Slope Transmitter Antenna Longitude Degrees

LONG\_MIN – Glide Slope Transmitter Antenna Longitude Minutes

LONG\_SEC – Glide Slope Transmitter Antenna Longitude Seconds

LONG\_HEMIS – Glide Slope Transmitter Antenna Longitude Hemisphere

LONG\_DECIMAL – Glide Slope Transmitter Antenna Longitude in Decimal Format

LAT\_LONG\_SOURCE\_CODE – Code Indication Source of Latitude/Longitude Information

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DIST\_FRM\_AER – Distance of Glide Slope Transmitter Antenna from Approach End of Runway in Feet (If Negative Indicates Placement Inboard from Approach End of Runway)

DIST\_FRM\_CNTR\_LINE – Distance of Glide Slope Transmitter Antenna from Runway Centerline in Feet

DIR\_FRM\_CNTR\_LINE – Direction of Glide Slope Transmitter Antenna from Runway Centerline

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SITE\_ELEVATION – Site Elevation of Glide Slope Transmitter Antenna in Tenth of a Foot (MSL).

G\_S\_TYPE\_CODE - Glide Slope Class/Type

TYPE DESCRIPTION

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GLIDE SLOPE STANDARD GLIDE SLOPE.

GLIDE SLOPE/DME GLIDE SLOPE WITH DISTANCE MEASURING EQUIPMENT.

G\_S\_ANGLE – Glide Slope Angle in Degrees and Hundredths of Degree

G\_S\_FREQ – Glide Slope Transmission Frequency

RWY\_ELEV\_ADJ\_G\_S – Elevation of Runway at Point Adjacent To the Glide Slope Antenna (Nearest Tenth of a Foot MSL)

*ILS\_DME ordered by SITE\_NO, SITE\_TYPE\_CODE, RWY\_END\_ID*

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COMPONENT\_STATUS – Operational Status of DME

COMPONENT\_STATUS\_DATE – Effective Date of DME Operational Status

LAT\_DEG – DME Transponder Antenna Latitude Degrees

LAT\_MIN – DME Transponder Antenna Latitude Minutes

LAT\_SEC – DME Transponder Antenna Latitude Seconds

LAT\_HEMIS – DME Transponder Antenna Latitude Hemisphere

LAT\_DECIMAL – DME Transponder Antenna Latitude in Decimal Format

LONG\_DEG – DME Transponder Antenna Longitude Degrees

LONG\_MIN – DME Transponder Antenna Longitude Minutes

LONG\_SEC – DME Transponder Antenna Longitude Seconds

LONG\_HEMIS – DME Transponder Antenna Longitude Hemisphere

LONG\_DECIMAL – DME Transponder Antenna Longitude in Decimal Format

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DIST\_FRM\_AER – Distance of DME Transponder Antenna from Approach End of Runway in Feet (If Negative Indicates Placement Inboard from Approach End of Runway)

DIST\_FRM\_CNTR\_LINE – Distance of DME Transponder Antenna from Runway Centerline in Feet

DIR\_FRM\_CNTR\_LINE – Direction of DME Transponder Antenna from Runway Centerline

DIST\_DIR\_SOURCE\_CODE – Code Indicating Source of Distance Information

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Z SURVEYED

SITE\_ELEVATION – Site Elevation of DME Transponder Antenna in Tenth of a Foot (MSL).

CHANNEL – NAS Channel on Which Distance Data is Transmitted

DIST\_FRM\_RWY\_STOP – Distance of DME Antenna from Stop End of Runway

*ILS\_MKR ordered by SITE\_NO, SITE\_TYPE\_CODE, RWY\_END\_ID, ILS\_COMP\_TYPE\_CODE*

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ILS\_COMP\_TYPE\_CODE – Marker Type (IM - Inner Marker, MM - Middle Marker, OM - Outer Marker)

COMPONENT\_STATUS – Operational Status of Marker Beacon

COMPONENT\_STATUS\_DATE – Effective Date of Marker Beacon Operational Status

LAT\_DEG – Marker Beacon Latitude Degrees

LAT\_MIN – Marker Beacon Latitude Minutes

LAT\_SEC – Marker Beacon Latitude Seconds

LAT\_HEMIS – Marker Beacon Latitude Hemisphere

LAT\_DECIMAL – Marker Beacon Latitude in Decimal Format

LONG\_DEG – Marker Beacon Longitude Degrees

LONG\_MIN – Marker Beacon Longitude Minutes

LONG\_SEC – Marker Beacon Longitude Seconds

LONG\_HEMIS – Marker Beacon Longitude Hemisphere

LONG\_DECIMAL – Marker Beacon Longitude in Decimal Format

LAT\_LONG\_SOURCE\_CODE – Code Indication Source of Latitude/Longitude Information

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DIST\_FRM\_AER – Distance of Marker Beacon from Approach End of Runway in Feet (If Negative Indicates Placement Inboard from Approach End of Runway)

DIST\_FRM\_CNTR\_LINE – Distance of Marker Beacon from Runway Centerline in Feet

DIR\_FRM\_CNTR\_LINE – Direction of Marker Beacon from Runway Centerline

DIST\_DIR\_SOURCE\_CODE – Code Indicating Source of Distance Information

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SITE\_ELEVATION – Site Elevation of Marker Beacon in Tenth of a Foot (MSL).

MKR\_FAC\_TYPE\_CODE - Facility/Type of Marker/Locator

TYPE DESCRIPTION

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MARKER MARKER BEACON ONLY

COMLO COMPASS LOCATOR

NDB NONDIRECTIONAL RADIO BEACON

MARKER/COMLO MARKER/ COMPASS LOCATOR

MARKER/NDB MARKER/ NONDIRECTIONAL RADIO BEACON

MARKER\_ID\_BEACON – Location Identifier of Beacon at Marker

COMPASS\_LOCATOR\_NAME - Name of the Marker Locator Beacon

FREQ –NAVAID Frequency when Marker is collocated else Locator Frequency (in KHZ)

NAV\_ID - Location Identifier of Navigation Aid Collocated With Marker (Blank Indicates Marker Is Not Collocated With A NAVAID)

NAV\_TYPE – Collocated NAVAID Type

LOW\_POWERED\_NDB\_STATUS - Low Powered NDB Status of Marker Beacon

SERVICE - Service Provided by Marker

*ILS\_RMK ordered by SITE\_NO, SITE\_TYPE\_CODE, RWY\_END\_ID, TAB\_NAME, ILS\_COMP\_TYPE\_CODE, REF\_COL\_NAME, REF\_COL\_SEQ\_NO*

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TAB\_NAME – NASR table associated with Remark.

ILS\_COMP\_TYPE\_CODE – TAB\_NAME with the Exception of ILS will designate a specific Component Type that the Remark refers to.

REF\_COL\_NAME – NASR Column name associated with Remark. Non-specific remarks are identified as GENERAL\_REMARK.

REF\_COL\_SEQ\_NO – Sequence number assigned to Reference Column Remark.

REMARK – Remark Text (Free Form Text that further describes a specific Information Item.)