

INSTRUMENT LANDING SYSTEM (ILS) DATA  
COMMA-SEPARATED VALUES (CSV) RECORD LAYOUT  
(ILS-FILES)

INFORMATION EFFECTIVE DATE: 10/05/2023

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 -----
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
----	-----
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 – A Concatenation of the ILS OWNER CODE - ILS OWNER NAME

OPERATOR – A Concatenation of the ILS OPERATOR CODE - 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
----	-----
A	AIR FORCE
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

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

*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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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

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

*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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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

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

CHANNEL – NAS Channel on Which Distance Data is Transmitted

*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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N	US NAVY
O	OWNER
P	NOS PHOTO SURVEY (HISTORICAL)
Q	QUAD PLOT (HISTORICAL)
R	ARMY
S	SIAP
T	3RD PARTY SURVEY
Z	SURVEYED

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

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

CODE	TYPE	DESCRIPTION
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M	MARKER	MARKER BEACON ONLY
C	COMLO	COMPASS LOCATOR
R	NDB	NONDIRECTIONAL RADIO BEACON

MC	MARKER/COMLO	MARKER/ COMPASS LOCATOR
MR	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

*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.)