

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> MCKINNEY NATIONAL	<u>AIRPORT ID</u> KTKI	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> DALLAS	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 589	<u>TDZE</u> 576	<u>SUPERSEDED</u> ILS OR LOC RWY 18	<u>ORIGINAL/AMENDMENT</u> 5B	<u>DATED</u> 06/23/2016	<u>MAG VAR</u> 3E
<u>FACILITY</u> I-EFE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BYP VORTAC		JIPUK/I-EFE 6.19 DME	FAF/IAF				221.17	24.07	2400

MISSED APPROACH

MAP:

ILS: DA

LOC: 4.62 NM AFTER JIPUK/I-EFE 6.19 DME OR AT I-EFE 1.57 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 ON HEADING 360 AND TTT VOR/DME R-042 TO BRDJE/TTT 41.47 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2500 DIRECT BYP VORTAC AND HOLD.

PROFILE:

1. PT R **SIDE OF COURSE** 359.12 **OUTBOUND** 2400 **FT WITHIN** 10 **MILES OF** JIPUK/I-EFE 6.19 DME (IAF)
- 2.
3. **FAC:** 179.12 **FAF:** JIPUK/I-EFE 6.19 DME **DIST FAF TO MAP:** 4.62 **DIST FAF TO THLD:** 4.62
4. **MIN ALT:** JIPUK/I-EFE 6.19 DME 2100, LIRNE/I-EFE 4.07 DME 1420*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1150
6. **MIN GS INCPT:** 2100 **GS ALT AT FAF :** JIPUK/I-EFE 6.19 DME 2100 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 52.9
8. **MSA FROM:** BYP VORTAC 3800 (30NM)

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR PROCEDURE ENTRY.
DME REQUIRED.



NOTES:

CHART NOTE: VDP NA WHEN USING DALLAS LOVE FIELD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS LOVE FIELD ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE S-LOC 18 CATS C/D VISIBILITY 1/8 SM, INCREASE CIRCLING VISIBILITY CAT C 1/2 SM, CAT D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 18 CATS C/D VISIBILITY TO 1 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING DALLAS LOVE FIELD ALTIMETER SETTING, INCREASE S-ILS 18 ALL CATS VISIBILITY TO 7/8 SM AND INCREASE S-LOC 18 CATS C/D TO 1 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: BYP 24.07 DME AT JIPUK.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFBHF) (332142.33N/0963450.24W).
CHART VDP AT 2.49 DME*
DISTANCE VDP TO THLD 0.92 NM
* LOC ONLY
CHART FAS OBST: 660 TREE 331332N/0963517W.
CHART: 1033 TOWER 331548N/0963555W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BYP VORTAC, LT, 204.39 INBOUND.
HOLD NE, RT, 222.49 INBOUND

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 18	776	1/2	200	776	1/2	200	776	1/2	200	776	1/2	200			
S-LOC 18	920	1/2	344	920	1/2	344	920	5/8	344	920	5/8	344			
CIRCLING	1040	1	451	1120	1	531	1200	1 1/2	611	1380	2 1/2	791			



CHANGES - REASONS

1. MINIMUM SAFE ALTITUDE (MSA) CENTER CHANGED FROM MELISA (VLY) NDB TO BONHAM (BYP) VOR/DME, DISTANCE CHANGED FROM 25 NM TO 30 NM - MELISA (VLY) NDB BEING DECOMMISSIONED AND IAW 8260.3D 2-3-2 B. (1).
2. FEEDER SEGMENT BONHAM (BYP) VORTAC TO MELISA (VLY) NDB CHANGED TO BONHAM (BYP) VORTAC TO JIPUK - MELISA (VLY) NDB BEING DECOMMISSIONED.
3. PROCEDURE TURN (PT) INITIAL APPROACH FIX CHANGED FROM MELISA (VLY) NDB TO FIX JIPUK - MELISA (VLY) NDB BEING DECOMMISSIONED.
4. FINAL SEGMENT LENGTH CHANGED FROM 4.5 NM TO 4.62 NM - PER IAPA PFAF LOCATION.
5. MISSED APPROACH CHANGED FROM CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 DIRECT VLY NDB AND HOLD TO CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 DIRECT BRDJE/TTT 41.47 DME AND HOLD - MELISA (VLY) NDB BEING DECOMMISSIONED.
6. VISUAL DESCENT POINT (VDP) LOCATION CHANGED FROM 2.62/1.05 TO 2.49/0.92 - S-LOC MDA LOWERED BY 40 FEET.
7. DELETED NOTE: ADF REQUIRED - MELISA (VLY) NDB BEING DECOMMISSIONED.
8. ADDED NOTE: DME REQUIRED - FIXES NOW USING DME FROM {EFE} ILS.
9. ADDED NOTE: DME REQUIRED FOR PROCEDURE ENTRY. - IAW 8260.19H 8-6-8 A. (1) (B).
10. INOPERATIVE APPROACH LIGHT NOTE CHANGED FROM FOR INOPERATIVE MALSR INCREASE S-LOC 18 CATS C/D VISIBILITY TO 2 1/2 MILE TO FOR INOPERATIVE ALS, INCREASE CAT C/D VISIBILITY TO 1 SM - IAW AJV VIS CHECK CALCULATOR AND 8260.3D TABLE 3-3-1.
11. S-LOC 18 MDA/HAT CHANGED FROM 960/384 TO 920/344 - NEW CONTROLLING OBSTACLE.
12. REMOVED S-LOC 18 AND CIRCLING MINS. - DME IS REQUIRED FOR ALL PORTIONS OF FINAL, LIRNE FIX MINS RETAINED FOR LOWEST MINS AVAILABLE.
13. CHANGED INOP NOTE WHEN USING DALLAS LOVE FIELD FROM FOR INOPERATIVE MALSR WHEN USING DALLAS LOVE FIELD ALTIMETER SETTING, INCREASE S-ILS 18 ALL CATS VISIBILITY TO 7/8 MILE, AND WHEN USING LIRNE FIX MINIMUMS INCREASE S-LOC 18 CATS C/D TO 1 3/8 MILE, TO FOR INOPERATIVE ALS WHEN USING DALLAS LOVE FIELD ALTIMETER SETTING, INCREASE S-ILS 18 ALL CATS VISIBILITY TO 7/8 SM AND INCREASE S-LOC 18 CATS C/D TO 1 1/4 SM.
14. ADDED TO ADDITIONAL FLIGHT DATA BLOCK - CHART IN PLANVIEW BYP 24.07 DME AT JIPUK. - FLIGHT INSPECTION REQUIREMENT.
15. CHANGED BACK-UP ALTIMETER NOTE FROM CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS LOVE FIELD ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FT,INCREASE S-LOC 18 CAT A VISIBILITY 1/4 MILE, CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE. TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALLAS LOVE FIELD ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE S-LOC 18 CATS C/D VISIBILITY 1/8 SM, INCREASE CIRCLING VISIBILITY CAT C 1/2 SM, CAT D 1/4 SM.
16. ADDED ALTIMETER SOURCE/BACK-UP (B/U) ALTIMETER SOURCE INFORMATION - IAW 8260.19H 8-7-1 C. (3).

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

TKI ATCT, REGIONAL APP CON, ZFW, ARPT MGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by
DONALD H LANIER

Jan 10, 2019

OFFICE

FICO

DATE

01/08/2019

DEVELOPED BY

ROBERT GRIM

Digitally signed by
ROBERT GRIM

Nov 23, 2018

OFFICE

AJV-5431

DATE

10/25/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER

Jan 10, 2019

OFFICE

AJV-5430

DATE

TITLE
MANAGER

