

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> DALLAS LOVE FIELD	<u>AIRPORT ID</u> KDAL	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 13L	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> DALLAS	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 487	<u>TDZE</u> 485	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 13L	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 09/13/2018	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
SLANT		APAKE		TF	FB	2.00	249.49	20.50	2600
APAKE	IAF	BINAY		TF	FB	1.00	227.24	5.86	2300
BINAY	IF	CAMSO		TF	FB	1.00	164.59	6.00	2000
CAMSO	FAF	RW13L	MAP	TF	FO	0.30	134.58	4.61	
RW13L	MAP	887 MSL		CA			134.58		
887 MSL		FAVKU		DF	FB	1.00			
FAVKU		DUMPY		TF	FO	1.00	115.39	16.05	3000

MISSED APPROACH

MAP:

LNAV: RW13L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT FAVKU AND ON TRACK 115.39 TO DUMPY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT BINAY

3. FAC: 134.58 FAF: CAMSO DIST FAF TO MAP: 4.61 DIST FAF TO THLD: 4.61

4. MIN ALT: BINAY 2300, CAMSO 2000

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW13L 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 1.98 DEGREES.
CHART CIRCLING ICON.
CAMSO TO RW13L: 3.00/55.
CHART VDP AT 1.27 NM TO RW13L
FAS OBST: 659 AAO 325404N/0965351W.
CHART: 782 TOWER 325442N/0965332W.
HOLD SE, RT, 298.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1100-3

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
LNAV MDA	940	2400	455	940	2400	455	940	4500	455	940	4500	455			
CIRCLING	1080	1	593	1140	1	653	1220	2	733	1520	3	1033			

CHANGES - REASONS

1. REMOVED NOTE CIRCLING NA TO RWY 18 AND 36. - RUNWAY REMOVED.
2. REMOVED NOTE DME/DME RNP -0.3 NA. - NOTE NO LONGER REQUIRED.
3. ADDED PBN REQUIREMENTS NOTE "RNP APCH". - IAW 8260.58A CHNG 1 TABLE 1-2-1.
4. REMOVED LISTED 20:1 PENETRATIONS FOR RUNWAYS 18/36. - RUNWAY REMOVED.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, REGIONAL APP CON, DAL ATCT, DFW ATCT, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
DONALD H LANIER
Jul 16, 2018

OFFICE

FICO

DATE

DEVELOPED BY

NICHOLAS K. JACKSON

Digitally signed by
DONALD H LANIER
Jul 16, 2018

OFFICE

AJV-5431

DATE

05/14/2018

APPROVED BY

PATRICK MULQUEEN

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DONALD H LANIER
Jul 16, 2018

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
DALLAS LOVE FIELD	KDAL	RNAV (GPS) Y RWY 13L	1C	DALLAS	TX	487	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
SLANT

TO
APAKE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	20.50										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	330521.00N/0964600.00W	989	50	20	2C	1000				AT611	2600
2.TERRAIN	330521.00N/0964600.00W	789 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

INITIAL

FROM
APAKE

TO
BINAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	5.86										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (48-003532)	325957.00N/0965502.00W	1049	500	50	5D	1000				AT251	2300
4.TERRAIN	330345.00N/0964927.00W	709 (700)								AS1500	2200

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:



MISSED APPROACH : LNAV

FROM

RW13L

TO

DUMPY

RNP	DISTANCE	PAT	MAP	HAT				HMAS			
								840			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
7.BLDG (48-004928)	324648.00N/0964814.00W	1368	50	3	2A	1000					2400
8.TERRAIN	324912.00N/0964603.00W	571 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
9.BUILDING (48-028166)	324911.62N/0965035.00W	1.30	593	700	20	3	1A	300		XP80	1080
CATEGORY B											
10.BLDG (48-031532)	324846.81N/0965010.69W	1.82	653	790	500	50	5D	300		AC50	1140
CATEGORY C											
11.BLDG (48-001322)	325159.00N/0964800.00W	2.86	733	914	50	20	2C	300			1220
CATEGORY D											
12.BLDG (48-005563)	324716.78N/0964748.08W	3.74	1033	1203	50	3	2A	300			1520

CIRCLING REMARKS:

XP: TO MAINTAIN CURRENT MINIMUMS - MINOR AMENDMENT.



RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	399.407
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VGSI DATA: NONE
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.87
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.70
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	137.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	499
DISTANCE FROM	THLD	TO 1500FT POINT	4.54
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	137.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	499

THRESHOLD
COORDINATES
(IF STR-IN)325123.36N/0965121.20W

ARP COORDINATES325045.40N/0965103.16W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 31L DISTANCE 0.89 NM

FAF
COORDINATES325447.87N/0965502.57W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 399.407FT, ACTUAL COORDINATES: 325126.18N/0965124.48W.



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DALLAS LOVE FIELD	KDAL	RNAV (GPS) Y RWY 13L	1C	DALLAS	TX	487	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
NICHOLAS K. JACKSON	AJV-5431	05/14/2018	AERONAUTICAL INFORMATION SPECIALIST

