

**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><b>AIRPORT</b></u> DALLAS-FORT WORTH INTL	<u><b>AIRPORT ID</b></u> KDFW	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) Y RWY 13R	<u><b>ORIGINAL/AMENDMENT</b></u> 3	<u><b>CITY</b></u> DALLAS-FORT WORTH	<u><b>STATE</b></u> TX
<u><b>AIRPORT ELEVATION</b></u> 607	<u><b>TDZE</b></u> 591	<u><b>SUPERSEDED</b></u> RNAV (GPS) Y RWY 13R	<u><b>ORIGINAL/AMENDMENT</b></u> 2A	<u><b>DATED</b></u> 09/18/2014	<u><b>MAG VAR</b></u> 4E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2015

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
MORRY	IF	POPPA		TF	FB	1.00	134.95	4.90	3000
POPPA		HODAX		TF	FB	1.00	134.98	2.22	2300
HODAX	FAF	ANIME/1.75 NM TO RW13R		TF	FB	0.30	135.00	3.44	
ANIME/1.75 NM TO RW13R		RW13R	MAP	TF	FO	0.30	135.00	1.75	
RW13R	MAP	1000 MSL		CA			135.00		1000
1000 MSL		SLOTT		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW13R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SLOTT AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT MORRY

3. FAC: 135.00

FAF: HODAX

DIST FAF TO MAP: 5.19

DIST FAF TO THLD: 5.19

4. MIN ALT: MORRY 3000, POPPA 3000, HODAX 2300, ANIME/1.75 NM TO RW13R 1200\*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.46

GS ANT:

6. MIN GP INCPT: 2300

GP ALT AT FAF : HODAX 2300

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.0

8. MSA FROM: RW13R 3600

PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C OR ABOVE 54C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

\* LNAV ONLY  
CHART CIRCLING ICON.  
WAAS CHANNEL #72742  
REFERENCE PATH ID: W13A  
CHART FAS OBST: 767 BLDG 325604N/0970539W.  
HOLD E, RT, 275.00 INBOUND  
LTP HAE: 153 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	791	1800	200	791	1800	200	791	1800	200	791	1800	200			
LNAV/VNAV DA	967	3500	376	967	3500	376	967	3500	376	967	3500	376			
LNAV MDA	1080	2400	489	1080	2400	489	1080	5000	489	1080	5000	489			



CHANGES - REASONS

- 1. ADDED LPV AND LNAV/VNAV LINES OF MINIMA AND ALL ASSOCIATED NOTES - PER FPT REQUEST.
- 2. CHANGED CHART NOTE FROM "CHART NOTE: DME/DME RNP 0.3 NA" TO "PBN REQUIREMENTS NOTE RNP APCH" - PER MEMO #257.
- 3. CA LEG ALTITUDE CHANGED FROM 1007 TO 1000 - CLIMB TO ALTITUDE ADDED.
- 4. CHANGED MISSED APPROACH FROM "CLIMBING RIGHT TURN TO 3000 DIRECT SLOTT AND HOLD" TO "CLIMB TO 1000, THEN CLIMBING RIGHT TURN TO 3000 DIRECT SLOTT AND HOLD" - PER 8260.19H PARA 8-6-6D(7).
- 5. CHANGED NOTE: "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - UPDATED CHART NOTE.
- 6. ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM" - UPDATED VISIBILITY DATA.
- 7. DELETED VDA - NO LONGER REQUIRED.
- 8. DELETED "CHART PLANVIEW NOTE: RADAR REQUIRED" - NO LONGER REQUIRED.
- 9. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - NEW 8260.3 CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> DALLAS-FORT WORTH INTL	<u>AIRPORT ID</u> KDFW	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 13R	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> DALLAS-FORT WORTH	<u>STATE</u> TX
<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZFW, REGIONAL APP CON, DFW ATCT, AMGR, ATA					
<u>FLIGHT CHECKED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
<u>DEVELOPED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
WARDELL HENNING		AJV-5433	05/01/2018		
<u>APPROVED BY</u>		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
PATRICK MULQUEEN		AJV-5430		MANAGER	



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDFW
RUNWAY	RW13R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	325434.4720N
LTP/FTP LONGITUDE	0970459.2780W
LTP/FTP ELLIPSOIDAL HEIGHT	+00153
FPAP LATITUDE	325324.9785N
FPAP LONGITUDE	0970347.7820W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1F24D512

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01801
FPAP ORTHOMETRIC HEIGHT	+01801



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DALLAS-FORT WORTH INTL	KDFW	RNAV (GPS) Y RWY 13R	3	DALLAS-FORT WORTH	TX	607	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM	TO
MORRY	POPPA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	4.90											
<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	325836.00N/0971124.00W		929	250	125	4E	500				AT1473 AC98	3000
2.TERRAIN	330448.00N/0971233.00W		730 (700)								AS1500	2200

COMPUTATIONS

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

INTERMEDIATE: STEPDOWN

FROM	TO
POPPA	HODAX

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	2.22										
<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	325836.00N/0971124.00W	929	250	125	4E	500				AC98 AT773	2300
3.TERRAIN	325836.00N/0971124.00W	729 (700)								AS1500	2200

COMPUTATIONS

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





FINAL: LNAV

FROM

HODAX

TO

ANIME/1.75 NM TO RW13R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	3.44											
<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>
5.AAO	325654.00N/0970812.00W		870	50	20	2C	250				DG80	1200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

FINAL: LNAV STEPDOWN

FROM

ANIME/1.75 NM TO RW13R

TO

RW13R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	1.75		RW13R	489								
<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>
6.BLDG (48-012642)	325604.00N/0970539.00W		767	250	50	4D	250				AC50	1080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:







RNAV

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<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>FACILIT</u>
DALLAS-FORT WORTH INTL	KDFW	RNAV (GPS) Y RWY 13R	3	DALLAS-FORT WORTH	TX	607	RNAV

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KDFW	24	KDFW	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

**WX REMARKS:**

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW13L - HIRL, REIL, C/LINE, PAPI-4L	NPI-G	APPROACH, MIDPOINT, ROLL OUT
RW31L - HIRL, REIL, C/LINE, PAPI-4L	NPI-G	APPROACH, ROLL OUT

RW13R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW17C - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L, RAIL	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW18L - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW18R - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW31R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35C - TDZ, ALSF-2, HIRL, REIL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35L - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35R - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW36L - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW36R - TDZ, MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	590.9	55.0			3.00	70.7

## FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	



<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-FORT WORTH INTL	KDFW	RNAV (GPS) Y RWY 13R	3	DALLAS-FORT WORTH	TX	607	RNAV

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-6C	+54C	-6C	-19C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2013-2017).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 962 HIGH TEMP 1123.

**"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:**

VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5NM AFTER STEPDOWN.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.



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	3.19
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	139.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	672
DISTANCE FROM	THLD	TO 1500FT POINT	4.99
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	139.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	672

THRESHOLD  
COORDINATES  
(IF STR-IN)325434.47N/0970459.28W

ARP COORDINATES325350.03N/0970215.70W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 13R DISTANCE 2.40 NM

FAF  
COORDINATES325830.21N/0970902.13W

FIX NAME  
COORDINATES

REMARKS  
NO ADDITIONAL AIRSPACE REQUIRED.



<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-FORT WORTH INTL	KDFW	RNAV (GPS) Y RWY 13R	3	DALLAS-FORT WORTH	TX	607	RNAV
<b>PART E: PREPARED BY</b>							
<u>NAME</u>				<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
WARDELL HENNING				AJV-5433	05/01/2018	AERONAUTICAL INFORMATION SPECIALIST	

