

<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>				Bearings, headings, courses, 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 in feet RVR.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW16  CLIMB TO 5000 DIRECT ANOXY AND VIA TRACK 150.15 TO PIZON AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.59 INBOUND. CHART FAS OBST: 3343 TOWER 322130N/1023245W FAS OBST: 3409 AAO 322336N/1023410W DISTANCE TO THLD FROM 359 HAT: 0.99 NM. WAAS CHANNEL # 65813 REFERENCE PATH ID: W16A											
PATTS	JERGO (FB)	261.85 / 19.84	5500												
ANEEL	CIFZE (FB)	030.68 / 8.05	5500												
JERGO (IAF)	HWSE (NOPT) (FB)	245.49 / 5.00	5500												
CIFZE (IAF)	HWSE (NOPT) (FB)	072.15 / 7.84	5500												
HWSE (IF/IAF)	CUNIN (FB)	155.44 / 6.10	4800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW HWSE, RT, 155.44 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: 155.46 FAF: CUNIN _____ DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: HWSE 5500, CUNIN 4800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4800 GS ALT AT: CUNIN _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW16 5500				MAG VAR: 9E EPOCH YEAR: 1990											
<b>MINIMUMS</b>															
TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A <input type="checkbox"/> X															
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3533	1 1/4	359	3533	1 1/4	359	3533	1 1/4	359		NA				
LNAV/VNAV DA	3802	2 1/4	628	3802	2 1/4	628	3802	2 1/4	628		NA				
LNAV MDA	3780	1	606	3780	1	606	3780	1 3/4	606		NA				
CIRCLING	3780	1	606	3780	1	606	3780	1 3/4	606		NA				
NOTES: CHART NOTE: CIRCLING NA WEST OF RWY 16/34. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE  ANDREWS, TX		ELEVATION: 3174 TDZE: 3174 AIRPORT NAME:  ANDREWS COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 27 AUG 2009				SUP: AMDT: NONE DATED					

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**NOTES CONT.****CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: USE MIDLAND ALTIMETER SETTING; WHEN NOT RECEIVED USE BIG SPRING ALTIMETER SETTING AND INCREASE ALL DA 95 FEET, ALL MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

CITY AND STATE

**ANDREWS, TX****ELEVATION: 3174 TDZE: 3174**

AIRPORT NAME:

**ANDREWS COUNTY**FACILITY  
IDENTIFIER:**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**RNAV (GPS) RWY 16, ORIG****27 AUG 2009**

SUP:

AMDT: **NONE**

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER E11  
RUNWAY RW16  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W16A  
LTP/FTP LATITUDE 322024.4185N  
LTP/FTP LONGITUDE 1023202.1620W  
LTP/FTP ELLIPSOIDAL HEIGHT +09440  
FPAP LATITUDE 321858.4000N  
FPAP LONGITUDE 1023134.0100W  
THRESHOLD CROSSING HEIGHT (TCH) 00045.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0976  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

752A6A2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +09674  
FPAP ORTHOMETRIC HEIGHT +09674

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP E11 K4FR16	AANEEL	010ANEELK4EA0E	IF							18000		A JS	
SUSAP E11 K4FR16	AANEEL	020CIFZEK4EA0E	A 020TF			03070081	+	05500				A JS	
SUSAP E11 K4FR16	AANEEL	030HWSERK4EA0EE	010TF			07220078	+	05500				A JS	
SUSAP E11 K4FR16	AHWSER	010HWSERK4EA0EE	CR HF			15540050	+	05500		18000		A JS	
SUSAP E11 K4FR16	APATTS	010PATTSK4EA0E	IF							18000		A JS	
SUSAP E11 K4FR16	APATTS	020JERGOK4EA0E	A 020TF			26190198	+	05500				A JS	
SUSAP E11 K4FR16	APATTS	030HWSERK4EA0EE	010TF			24550050	+	05500				A JS	
SUSAP E11 K4FR16	R	010HWSERK4EA0E	I IF				+	05500		18000		A JS	
SUSAP E11 K4FR16	R	020CUNINK4EA1E	F 051TF			15540061	+	04800			RW16	K4PGA JS	
SUSAP E11 K4FR16	R	020CUNINK4EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP E11 K4FR16	R	030RW16 K4PGOGY	M 031TF			15550049		03219		-300		A JS	
SUSAP E11 K4FR16	R	040ANOXK4EA0E	M 010DF									A JS	
SUSAP E11 K4FR16	R	050PIZONK4EA0EY	010TF			1502	+	05000				A JS	
SUSAP E11 K4FR16	R	060PIZONK4EA0EE	HR020HM			11660050	+	05000				A JS	

[illegible]

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANEEL	ANEEL	010		IF		FB				
	ANEEL	CIFZE	020	IAF	TF		FB	2.0	030.7 (040T)	008.1	05500
	ANEEL	HWSE	030		TF		FB	1.0	072.2 (081T)	007.8	05500
	HWSE	HWSE	010		HF	R	FB		155.4 (164T)	005.0	05500
	PATTS	PATTS	010		IF		FB				
	PATTS	JERGO	020	IAF	TF		FB	2.0	261.9 (271T)	019.8	05500
	PATTS	HWSE	030		TF		FB	1.0	245.5 (255T)	005.0	05500
		HWSE	010	FACF	IF		FB				05500
		CUNIN	020	FAF	TF		FB	0.5	155.4 (164T)	006.1	04800
		RW16	030	MAP	TF		FO	0.3	155.5 (165T)	004.9	03219

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANOXY	040		DF		FB	1.0			
	PIZON	050		TF		FO	1.0	150.2 (159T)		05000
	PIZON	060		HM	R	FO	2.0	116.6 (126T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANEEL	N322336.93	W1025045.73	N3223.616	W10250.762
	ANOXY	N321828.56	W1023124.25	N3218.476	W10231.404
	CIFZE	N322949.39	W1024440.99	N3229.823	W10244.683
	CUNIN	N322508.14	W1023335.11	N3225.136	W10233.585
	HWSE	N323101.57	W1023531.14	N3231.026	W10235.519
	JERGO	N323222.08	W1022949.27	N3232.368	W10229.821
	PATTS	N323206.67	W1020621.26	N3232.111	W10206.354
	PIZON	N321007.31	W1022739.83	N3210.122	W10227.664
	RW16	N322024.42	W1023202.16	N3220.407	W10232.036

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW16	03174		45

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