

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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.

TERMINAL ROUTES					MISSED APPROACH										
FROM	TO		COURSE AND DISTANCE	ALTITUDE	MAP: DA										
SWIRL (40E)	IBOBE (TF) (FB) (RNP 2.00) (40E)		182.37/8.50	9800	CLIMB TO 5000 VIA LEFT TURN TO AFXUR, AND VIA LEFT TURN TO BIWFO, AND VIA TRACK 340.97 TO CERID, AND VIA RIGHT TURN TO DUYGE, AND VIA LEFT TURN TO EGEDE, AND VIA TRACK 154.91 TO AVENT AND HOLD.										
IBOBE (40E)	HAWAI (TF) (FB) (RNP 2.00) (40E) (43A)		182.35/5.63	8200											
HAWAI (IAF) (40E) (43A)	MREEN (TF) (FB) (RNP 1.00) (40E)		182.33/3.00	6700											
MREEN (40E)	LTCOL (TF) (FB) (RNP 1.00) (40E)		182.32/4.00	6000											
LTCOL (40E)	FRNNK (TF) (FB) (RNP 1.00) (40E) (41E)		182.31/12.00	4500											
FRNNK (IF) (40E) (43I)	ANND (TF) (FB) (RNP 0.50) (40E) (42S)		133.88/4.00	4000											
ANND (40E) (42S)	RUTHH (TF) (FB) (RNP 0.50) (40E) (43F)		133.91/2.00	3600	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 156.00 INBOUND CHART FAS OBST: 1505 TOWER 333655N/1115611W DIST TO THLD FROM 359 HAT: 1.01 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 1507.9 MSL (DO NOT CHART)										
CONTINUED ON PAGE 2															
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. PROFILE STARTS AT FRNNK															
3. FAC: <u> </u> FAF: <u>*SEE TERMINAL ROUTES FROM RUTHH</u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>															
4. MIN. ALT: FRNNK 4500, ANND 4000															
5. DIST TO THLD FROM OM: <u> 6.45 </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u> 3600 </u> GS ALT AT: <u>RUTHH 3600, GRYHM 2542</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u> 3.00 </u> TCH: <u>60.0#</u> 34:1 IS NOT CLEAR															
8. MSA FROM: <u>RW03 7800</u>															
MAG VAR: 12E EPOCH YEAR: 1990															
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	1829	1 1/4	359	1829	1 1/4	359	1829	1 1/4	359		NA				
NOTES: CHART NOTE: RF AND GPS REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 1C (31F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED PROCEDURE NA. CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE AT SWIRL: (RNP 0.50).															
CITY AND STATE			ELEVATION: 1510 TDZE: 1470			FACILITY IDENTIFIER:			PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:			
SCOTTSDALE, AZ			SCOTTSDALE			RNAV			27 AUG 2009 RNAV (RNP) Y RWY 3, ORIG-A			AMDT: ORIG			
												DATE 2 JUL 09			

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
 RNAV **STANDARD INSTRUMENT APPROACH PROCEDURE**
 FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUTHH (FAF) (40E) (43F)	GRYHM (RF) (FB) (40E)	(1.80 NM RADIUS CCW CFDQJ) /3.20	
GRYHM (40E)	RW03 (TF) (FB) (40G) (43M)	031.94/3.25	
RW03 (MAP) (40G) (43M)	AFXUR (RF) (FB) (RNP 0.30) (40E) (42M)	(4.08 NM RADIUS CCW EFFEB) /1.78	
AFXUR (40E) (42M)	BIWFO (RF) (FB) (RNP 0.50) (40E)	(4.08 NM RADIUS CCW EFFEB) /1.85	
BIWFO (40E)	CERID (TF) (FB) (RNP 0.75) (40E)	340.97/4.10	
CERID (40E)	DUYGE (RF) (FB) (RNP 0.89) (40E)	(4.08 NM RADIUS CW EZWIJ) /1.81	
DUYGE (40E)	EGEDE (RF) (FB) (RNP 1.00) (40E)	(4.08 NM RADIUS CCW ICB AH) /15.06	
EGEDE (40E)	AVENT (TF) (FO) (RNP 1.00) (40E) (41Y)	154.91/5.14	5000

QUALITY
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CITY AND STATE SCOTTSDALE, AZ	ELEVATION: 1510 TDZE: 1470	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 27 AUG 2009 RNAV (RNP) Y RWY 3, ORIG-A	SUP:
	AIRPORT NAME: SCOTTSDALE			AMDT: ORIG
				DATED: 2 JUL 09

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SWIRL	SWIRL	010		IF		FB				
	SWIRL	IBOBE	020		TF		FB	2.0	182.4 (194T)	008.5	09800
	SWIRL	HAWAI	030	IAF	TF		FB	2.0	182.4 (194T)	005.6	08200
	SWIRL	MREEN	040		TF		FB	1.0	182.3 (194T)	003.0	06700
	SWIRL	LTCOL	050		TF		FB	1.0	182.3 (194T)	004.0	06000
	SWIRL	FRNNK	060		TF		FB	1.0	182.3 (194T)	012.0	04500
		FRNNK	010	FACF	IF		FB				04500
		ANDD	011	SDF	TF		FB	0.5	133.9 (146T)	004.0	04000
		RUTHH	020	FAF	TF		FB	0.5	133.9 (146T)	002.0	03600
		GRYHM	021		RF	L	FB	0.3		003.2	
		RW03	030	MAP	TF		FB	0.3	031.9 (044T)	003.3	01508 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFXUR	010		RF	L	FB	0.3		001.8	
	BIWFO	020		RF	L	FB	0.5		001.9	
	CERID	030		TF		FB	0.75	341.0 (353T)	004.1	
	DUYGE	040		RF	R	FB	0.89		001.8	
	EGEDE	050		RF	L	FB	1.0		015.1	
	AVENT	060		TF		FO	1.0	154.9 (167T)	005.1	05000
	AVENT	070		HM	L	FO	2.0	156.0 (168T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AFXUR	333828.65N	1115359.51W	3338.478N	11153.992W
	ANDD	333631.62N	1120228.44W	3336.527N	11202.474W
	AVENT	334131.73N	1120209.93W	3341.529N	11202.166W
	BIWFO	334018.38N	1115345.69W	3340.306N	11153.762W
	CERID	334422.98N	1115421.79W	3344.383N	11154.363W
	CFDQJ	333552.69N	1115920.85W	3335.878N	11159.348W
	DUYGE	334610.51N	1115408.96W	3346.175N	11154.149W
	EFFEB	333948.46N	1115836.80W	3339.808N	11158.613W
	EGEDE	334632.44N	1120333.60W	3346.541N	11203.560W
	EZWIJ	334452.92N	1114930.42W	3344.882N	11149.507W

CONTINUED ON PAGE 4

 QUALITY
1
CHECKED

CITY AND STATE	ELEVATION: 1510 TDZE: 1470	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SCOTTSDALE, AZ	AIRPORT NAME: SCOTTSDALE	RNAV	27 AUG 2009	AMDT: ORIG
			RNAV (RNP) Y RWY 3, ORIG-A	DATED: 2 JUL 09

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

POINT DATA
(CONTINUED)

WAYPOINT

LAT IN SECS

LONG IN SECS

LAT IN MINS

LONG IN MINS

FRNNK	333950.71N	1120509.62W	3339.845N	11205.160W
GRYHM	333437.61N	1115747.76W	3334.627N	11157.796W
HAWAI	335817.36N	1115931.52W	3358.289N	11159.525W
IBOBE	340345.22N	1115750.86W	3403.754N	11157.848W
ICBAH	334728.10N	1115847.56W	3347.468N	11158.793W
LTCOL	335129.68N	1120136.36W	3351.495N	11201.606W
MREEN	335522.65N	1120025.06W	3355.378N	11200.418W
RUTHH	333452.05N	1120107.93W	3334.868N	11201.132W
SWIRL	341159.87N	1115518.57W	3411.998N	11155.310W
RW03	333658.24N	1115505.72W	3336.971N	11155.095W

RUNWAY DATA

RWY
03THLD ELEV
01448TCH
60QUALITY
1
CHECKED

CITY AND STATE

SCOTTSDALE, AZ

ELEVATION:

1510 TDZE:

1470

AIRPORT NAME:

SCOTTSDALE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

27 AUG 2009

RNAV (RNP) Y RWY 3, ORIG-A

SUP:

AMDT: ORIG

DATED: 2 JUL 09