

US 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				
UDUZI (IAF)	UGMAH (NOPT) (FB)	184.78 / 5.90	2000	LPV: DA LNAV/VNAV: DA LNAV: RW09L			
IPNEC (IAF)	UGMAH (NOPT) (FB)	004.78 / 6.60	2000				
UGMAH (IF/IAF)	OLNAF (FB)	094.78 / 5.95	1600	CLIMB TO 1600 DIRECT UXFIM AND HOLD.			
OLNAF (FAF)	CUNPA/1.60 NM TO RW09L (FB)	094.83 / 3.08					
CUNPA/1.60 NM TO RW09L	RW09L (MAP) (FO)	094.83 / 1.60		ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART FAS OBST: 194 ANT 284633N/0811520W DISTANCE TO THLD FROM 200 HATH: 0.46 NM. CHART VDP AT 1.10 MILES TO RW09L* *LNAV ONLY. WAAS CHANNEL # 78409 REFERENCE PATH ID: W09A LTP HAE: -11.2 M			
RW09L (MAP)	255 MSL	094.83					
255 MSL	UXFIM (FO)		1600				

  

1. PT		SIDE OF COURSE		OUTBOUND		FT WITHIN		MILES OF		(IAF)	
2. HOLD W UGMAH, LT, 094.78 INBOUND, 2000 FT. IN LIEU OF PT (IAF)											
3. FAC:		094.83		FAF: OLNAF		DIST FAF TO MAP:		4.68		THLD: 4.68	
4. MIN. ALT: UGMAH 2000, OLNAF 1600, CUNPA/1.60 NM TO RW09L 600*											
5. DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		100 HAT:		GS ANT:	
6. MIN GS INCPT:		1600		GS ALT AT: OLNAF 1600		OM:		MM:		IM:	
7. GS ANGLE:		3.00		TCH: 55.0		34:1 IS CLEAR					
8. MSA FROM:											

  

MINIMUMS															
TAKEOFF: 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
LPV DA	255	1/2	200	255	1/2	200	255	1/2	200	255	1/2	200			
LNAV/VNAV DA	355	1/2	300	355	1/2	300	355	1/2	300	355	1/2	300			
LNAV MDA	460	1/2	405	460	1/2	405	460	3/4	405	460	3/4	405			
CIRCLING	580	1	525	580	1	525	580	1 1/2	525	620	2	565			

  

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING EXECUTIVE ALTIMETER SETTING.  
 (SEE FORM 8260-10)

CITY AND STATE  ORLANDO, FL	ELEVATION: 55	THRE: 55	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9L, AMDT 3  30 MAY 2013	SUP:
	AIRPORT NAME:  ORLANDO SANFORD INTL				AMDT: 2C
					DATED 01/12/2012

QUALITY  
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE LPV DA TO 298, LNAV/VNAV DA TO 398, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE ADJACENT TO IPNEC (IAF): MAX 210 KIAS.

CHART PLANVIEW NOTE ADJACENT TO UDUZI (IAF): MAX 210 KIAS.

CHART NOTE: CIRCLING TO RWY 27C NA AT NIGHT.

TAA	FROM	TO	ALT
1.	005/30 CW 140/30 (NOPT)	UGMAH (IF/IAF) (FB)	2000
	140/10 CW 185/10	UGMAH (IF/IAF) (FB)	2000
2.	140/30 CW 185/30 (NOPT)	140/10 CW 185/10	2600
3.	185/30 CW 275/30	UDUZI (IAF) (FB)	2800
4.	275/30 CW 005/30	IPNEC (IAF) (FB)	2800



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	AIRPORT NAME: ORLANDO SANFORD INTL	AMDT: 2C			
	DATED: 01/12/2012				

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFB
RUNWAY	RW09L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	284654.2300N
LTP/FTP LONGITUDE	0811510.1900W
LTP/FTP ELLIPSOIDAL HEIGHT	-00112
FPAP LATITUDE	284654.4400N
FPAP LONGITUDE	0811317.8000W
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

CD5A5560

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00166
FPAP ORTHOMETRIC HEIGHT	+00166

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSFBK7FR09L	AIPNEC	010IPNECK7EA0E	A	IF					18000210		A-JS	
SUSAP	KSFBK7FR09L	AIPNEC	020UGMAHK7EA0EE	B	010TF		00480066	+	02000			A JS	
SUSAP	KSFBK7FR09L	AUDUZI	010UDUZI K7EA0E	A	IF					18000210		A-JS	
SUSAP	KSFBK7FR09L	AUDUZI	020UGMAHK7EA0EE	B	010TF		18480059	+	02000			A JS	
SUSAP	KSFBK7FR09L	AUGMAH	010UGMAHK7EA0EE	AL	HF		09480040	+	02000	18000		A JS	
SUSAP	KSFBK7FR09L	R	010UGMAHK7EA0E	I	IF			+	02000	18000		A JS	
SUSAP	KSFBK7FR09L	R	0200LNAFK7EA1E	F	051TF		09480060	+	01600			A JS	
SUSAP	KSFBK7FR09L	R	0200LNAFK7EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KSFBK7FR09L	R	021CUNPAK7EA0E	S	031TF		09480031	V	0060000619		-300	A JS	
SUSAP	KSFBK7FR09L	R	030RW09LK7PG0GY	M	031TF		09480016		00110		-300	A JS	
SUSAP	KSFBK7FR09L	R	040	0	M	CA	0948	+	00255			A JS	
SUSAP	KSFBK7FR09L	R	050UXFIMK7EA0EY		DF			+	01600			A JS	
SUSAP	KSFBK7FR09L	R	060UXFIMK7EA0EE	R	HM		27500040	+	01600			A JS	

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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	IPNEC	IPNEC	010	IAF	IF		FB					AB 210
	IPNEC	UGMAH	020		TF		FB	1.0	004.8 (359.8T)	006.6	AA 02000	
	UDUZI	UDUZI	010	IAF	IF		FB					AB 210
	UDUZI	UGMAH	020		TF		FB	1.0	184.8 (179.8T)	005.9	AA 02000	
	UGMAH	UGMAH	010	IAF	HF	L	FO		094.8 (089.8T)	004.0	AA 02000	
		UGMAH	010	FACF	IF		FB				AA 02000	
		OLNAF	020	FAF	TF		FB	0.5	094.8 (089.8T)	006.0	AA 01600	
		CUNPA	021	SDF	TF		FB	0.3	094.8 (089.8T)	003.1	AA 00600 GS 00619	
		RW09L	030	MAP	TF		FO	0.3	094.8 (089.8T)	001.6	AT 00110	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		094.8 (089.8T)		AA 00255	
	UXFIM	050		DF		FO				AA 01600	
	UXFIM	060		HM	R	FO		275.0 (270.0T)	004.0	AA 01600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUNPA	N284654.00	W0811659.44	N2846.900	W08116.991
	IPNEC	N284015.25	W0812714.29	N2840.254	W08127.238
	OLNAF	N284653.49	W0812029.78	N2846.892	W08120.496
	UDUZI	N285247.17	W0812717.60	N2852.786	W08127.293
	UGMAH	N284652.26	W0812716.02	N2846.871	W08127.267
	UXFIM	N284655.04	W0810031.89	N2846.917	W08100.532
	RW09L	N284654.23	W0811510.19	N2846.904	W08115.170

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09L	00055		55

CITY AND STATE <b>ORLANDO, FL</b>	ELEVATION: <b>55</b>	THRE: <b>55</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>ORLANDO SANFORD INTL</b>		<b>RNAV</b>	<b>RNAV (GPS) RWY 9L, AMDT 3</b>	AMDT: <b>2C</b>
				<b>30 MAY 2013</b>	DATED: <b>01/12/2012</b>