

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		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	ILS: DA LOC: 4.68 MILES AFTER OLNAF INT/I-SND 6.54 DME/RADAR OR AT I-SND 1.86 DME FIX CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 080 AND ORL VORTAC R-033 TO SMYRA INT/ORL 33.05 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 065 AND OMN VORTAC R-184 TO TIKUY/OMN 26.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S TIKUY/OMN 26.00 DME, RT, 004.00 INBOUND. CHART FAS OBST: 190 TOWER 284642N/0811749W CHART VDP AT 2.85 DME*; DISTANCE VDP TO THLD 0.99 MILES. *LOC ONLY. CHART IN PLANVIEW: TIKUY/OMN 26.00 DME. CHART LOC RWY 9R	
IPNEC (IAF)	UGMAH (NOPT) (FB)	004.78 / 5.95	2000		
UDUZI (IAF)	UGMAH (NOPT) (FB)	184.78 / 5.90	2000		
UGMAH/I-SND 12.49 DME/RADAR (IF/IAF)	OLNAF INT/I-SND 6.54 DME/RADAR	094.87 / 5.95 (I-SND)	1600		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W UGMAH, LT, 094.87 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>094.87</u> FAF: <u>OLNAF INT/I-SND 6.54 DME/RADAR</u> DIST FAF TO MAP: <u>4.68</u> THLD: <u>4.68</u> 4. MIN. ALT: <u>UGMAH 2000, OLNAF 1600, CUNPA INT/I-SND 3.46 DME 540*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1071</u> 6. MIN GS INCPT: <u>1600</u> GS ALT AT: <u>OLNAF 1600</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>ORL VORTAC 3000</u>				MAG VAR: 5W EPOCH YEAR: 2000	
MINIMUMS					
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>			ALTERNATE: <u>N A</u>		ILS: STANDARD # <u> </u> LOC: STANDARD @ <u> </u>
CATEGORY >>>>>>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 9L	255	1/2	200	255	1/2
S-LOC 9L	540	1/2	485	540	1
CIRCLING	580	1	525	580	1 1/2
CUNPA FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)					
S-LOC 9L	440	1/2	385	440	5/8
CIRCLING	580	1	525	580	1 1/2
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: VDP NA WITH EXECUTIVE ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE ILS DA TO 298, ALL MDA 60 FEET, AND S-LOC 9L CAT C/D VISIBILITIES 1/8. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 55 THRE: 55		FACILITY IDENTIFIER: I-SND	
ORLANDO, FL		AIRPORT NAME: ORLANDO SANFORD INTL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 9L, AMDT 4 30 MAY 2013	
		SUP:		AMDT: 3B	
		DATED		01/12/2012	

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9R.

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

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

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

*600 WHEN USING EXECUTIVE ALTIMETER SETTING.

CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED.

QUALITY
4
CHECKED

CITY AND STATE

ORLANDO, FL

ELEVATION: 55

THRE: 55

AIRPORT NAME:

ORLANDO SANFORD INTL

FACILITY
IDENTIFIER:

I-SND

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 9L, AMDT 4

30 MAY 2013

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3B

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FLIGHT STANDARDS SERVICES - FAR PART 97.29

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NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	ORL	K7011220VTHA	N28323381W081200607	N28323381W081200607E0000001022	NARORLANDO								
SUSAD	PIE	K7011640VTHA	N27542795W082410351	N27542795W082410351W00500000092	NARST PETERSBURG								
SUSAD	KSFBK7	ISND	K7010890 IT	ISNDN28465164W0811130319	000370	NARORLANDO SANFORD INTL							

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSFBK7FI09L	AIPNEC	010IPNECK7EA0E	A	FC	PIE	K7	0597079600480040D	+	02000	18000210		0-NS
SUSAP	KSFBK7FI09L	AIPNEC	020UGMAHK7EA0EE	B	CF	ISNDK7		2749012500480020PI	+	02000			0 NS
SUSAP	KSFBK7FI09L	AUDUZI	010UDUZIK7EA0E	A	FC	PIE	K7	0529087318480039D	+	02000	18000210		0-NS
SUSAP	KSFBK7FI09L	AUDUZI	020UGMAHK7EA0EE	B	CF	ISNDK7		2749012518480020PI	+	02000			0 NS
SUSAP	KSFBK7FI09L	AUGMAH	010UGMAHK7EA0EE	AL	HF	ISNDK7		274901250949T010PI	+	02000	18000		0 NS
SUSAP	KSFBK7FI09L	I	010UGMAHK7EA0E	I	IF	ISNDK7		27490125	PI	J	020000160018000		0 NS
SUSAP	KSFBK7FI09L	I	020OLNAFK7EA0E	F	CF	ISNDK7		2749006509500060PI	H	0160001600	-300ORL	K7D	0 NS
SUSAP	KSFBK7FI09L	I	030RW09LK7PG0GY	M	CF	ISNDK7		2749001909500047PI		00110	-300		0 NS
SUSAP	KSFBK7FI09L	I	040	0 M	CA			0949	+	00500			0 NS
SUSAP	KSFBK7FI09L	I	050	0	VI			0800					0 NS
SUSAP	KSFBK7FI09L	I	060SMYRAK7EA0EY		CF	ORL	K7	0330033003300160D	+	02000			0 NS
SUSAP	KSFBK7FI09L	I	070SMYRAK7EA0EE	R	HM			0330T010	+	02000			0 NS

[illegible][illegible]

SUP:	
AMDT:	3B
DATED:	1/12/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

SUSAP KSFBK7IISND1 010890RW09LN28465446W0811303200949N28465835W0811458171300 10710354300W00505500050

[illegible]

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IPNEC	IPNEC	010	IAF	FC		FB		004.8()	004.0	AA 02000	AB 210
	IPNEC	UGMAH	020		CF		FB		004.8()	002.0	AA 02000	
	UDUZI	UDUZI	010	IAF	FC		FB		184.8()	003.9	AA 02000	AB 210
	UDUZI	UGMAH	020		CF		FB		184.8()	002.0	AA 02000	
	UGMAH	UGMAH	010	IAF	HF	L	FO		094.9()	T01.0	AA 02000	
		UGMAH	010	FACF	IF		FB				AA 02000 GI 01600	
		OLNAF	020	PAF	CF		FB		095.0()	006.0	GI 01600 GS 01600	
		RW09L	030	MAP	CF		FO		095.0()	004.7	AT 00110	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		094.9()		AA 00500	
		050		VI		FB		080.0()			
	SMYRA	060		CF		FO		033.0()	016.0	AA 02000	
	SMYRA	070		HM	R	FO		033.0()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ORL	N283233.81	W0812006.07	N2832.564	W08120.101
	PIE	N275427.95	W0824103.51	N2754.466	W08241.059
	ISND (DME)	N284651.64	W0811303.19	N2846.861	W08113.053
	IPNEC	N284015.25	W0812714.29	N2840.254	W08127.238
	OLNAF	N284653.49	W0812029.78	N2846.892	W08120.496
	SMYRA	N290019.48	W0805934.51	N2900.325	W08059.575
	UDUZI	N285247.17	W0812717.60	N2852.786	W08127.293
	UGMAH	N284652.26	W0812716.02	N2846.871	W08127.267
	RW09L	N284654.23	W0811510.19	N2846.904	W08115.170
	ISND (LOC)	N284654.46	W0811303.20	N2846.908	W08113.053

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09L	00055		55

CITY AND STATE
ORLANDO, FL

ELEVATION: 55 THRE: 55
AIRPORT NAME:
ORLANDO SANFORD INTL

FACILITY
IDENTIFIER:
I-SND

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 9L, AMDT 4
30 MAY 2013

SUP:
AMDT: 3B
DATED: 1/12/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSFBK7FL09L	AIPNEC	010IPNECK7EA0E	A	FC	PIE	K7	0597079600480040D	+	02000	18000210	0	NS
SUSAP	KSFBK7FL09L	AIPNEC	020UGMAHK7EA0EE	B	CF	ISNDK7	2749012500480020PI	+	02000			0	NS
SUSAP	KSFBK7FL09L	AUDUZI	010UDUZIK7EA0E	A	FC	PIE	K7	0529087318480039D	+	02000	18000210	0	NS
SUSAP	KSFBK7FL09L	AUDUZI	020UGMAHK7EA0EE	B	CF	ISNDK7	2749012518480020PI	+	02000			0	NS
SUSAP	KSFBK7FL09L	AUGMAH	010UGMAHK7EA0EE	AL	HF	ISNDK7	274901250949T010PI	+	02000	18000		0	NS
SUSAP	KSFBK7FL09L	L	010UGMAHK7EA0E	I	IF	ISNDK7	27490125	PI	+	02000	18000	0	NS
SUSAP	KSFBK7FL09L	L	020OLNAFK7EA0E	F	CF	ISNDK7	2749006509500060PI	+	01600		ORL	K7D	0 NS
SUSAP	KSFBK7FL09L	L	021CUNPAK7EA0E	S	CF	ISNDK7	2749003509500031PI	+	00540		-301		0 NS
SUSAP	KSFBK7FL09L	L	030RW09LK7PG0GY	M	CF	ISNDK7	2749001909500016PI		00110		-301		0 NS
SUSAP	KSFBK7FL09L	L	040	0 M	CA		0949	+	00500				0 NS
SUSAP	KSFBK7FL09L	L	050	0	VI		0800						0 NS
SUSAP	KSFBK7FL09L	L	060SMYRAK7EA0EY		CF	ORL	K7	0330033003300160D	+	02000			0 NS
SUSAP	KSFBK7FL09L	L	070SMYRAK7EA0EE	R	HM		0330T010	+	02000				0 NS

[illegible]

CITY AND STATE ORLANDO, FL	ELEVATION: 55 THRE: 55 AIRPORT NAME: ORLANDO SANFORD INTL	FACILITY IDENTIFIER: I-SND	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 9L, AMDT 4 30 MAY 2013	SUP:
				AMDT: 3B
				DATED: 01/12/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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	1	2	3	4	5	6	7	8	9	0	1	2	3
ILS	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KSFBK7IISND1	010890RW09LN28465446W0811303200949N28465835W0811458171300	10710354300W00505500050										

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KSFBK7SORL	K7D	0	18018003025									M

CITY AND STATE

ORLANDO, FL

ELEVATION: 55

THRE: 55

AIRPORT NAME:

ORLANDO SANFORD INTL

FACILITY

IDENTIFIER:

I-SND

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 9L, AMDT 4

30 MAY 2013

SUP:

AMDT:

3B

DATED: 01/12/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IPNEC	IPNEC	010	IAF	FC		FB		004.8()	004.0	AA 02000	AB 210
	IPNEC	UGMAH	020		CF		FB		004.8()	002.0	AA 02000	
	UDUZI	UDUZI	010	IAF	FC		FB		184.8()	003.9	AA 02000	AB 210
	UDUZI	UGMAH	020		CF		FB		184.8()	002.0	AA 02000	
	UGMAH	UGMAH	010	IAF	HF	L	FO		094.9()	T01.0	AA 02000	
		UGMAH	010	FACF	IF		FB				AA 02000	
		OLNAF	020	FAF	CF		FB		095.0()	006.0	AA 01600	
		CUNPA	021	SDF	CF		FB		095.0()	003.1	AA 00540	
		RW09L	030	MAP	CF		FO		095.0()	001.6	AT 00110	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		094.9()		AA 00500	
		050		VI		FB		080.0()			
	SMYRA	060		CF		FO		033.0()	016.0	AA 02000	
	SMYRA	070		HM	R	FO		033.0()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ORL	N283233.81	W0812006.07	N2832.564	W08120.101
	PIE	N275427.95	W0824103.51	N2754.466	W08241.059
	ISND (DME)	N284651.64	W0811303.19	N2846.861	W08113.053
	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
	SMYRA	N290019.48	W0805934.51	N2900.325	W08059.575
	UDUZI	N285247.17	W0812717.60	N2852.786	W08127.293
	UGMAH	N284652.26	W0812716.02	N2846.871	W08127.267
	RW09L	N284654.23	W0811510.19	N2846.904	W08115.170
	ISND (LOC)	N284654.46	W0811303.20	N2846.908	W08113.053

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00055	55

CITY AND STATE
ORLANDO, FLELEVATION: 55 THRE: 55
AIRPORT NAME:
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IDENTIFIER:

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