

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: 6.67 MILES AFTER JACKO INT/I-INN 6.85 DME OR AT 0.19 DME FIX CLIMB TO 1300, THEN CLIMBING RIGHT TURN TO 3000 DIRECT GEP VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1300, THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 130 AND MSP VOR/DME R-096 TO KANAC INT/MSP 13.13 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 117.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E KANAC INT/MSP 13.13 DME, RT, 275.59 INBOUND. CHART FAS OBST: 1111 TANK 445208N/0930852W CHART VDP AT 1.58 DME* DISTANCE VDP TO THLD 1.40 MILES. *LOC ONLY. CHART IN PLANVIEW: KANAC INT/MSP 13.13 DME. CHART CIRCLING ICON.										
GROVZ INT/19.40 DME (IAF)		WULAM INT/16.26 DME		301.35 / 3.14 (I-INN)			6000												
WULAM INT/16.26 DME		BONNA INT/13.12 DME		301.35 / 3.14 (I-INN)			5000												
BONNA INT/13.12 DME (IF)		SAMMZ INT/9.98 DME		301.35 / 3.14 (I-INN)			4000												
SAMMZ INT/9.98 DME		JACKO INT/6.85 DME		301.35 / 3.14 (I-INN)			3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GROVZ INT/19.40 DME 3. FAC: <u>301.35</u> FAF: JACKO INT/6.85 DME DIST FAF TO MAP: <u>6.67</u> THLD: <u>6.67</u> 4. MIN. ALT: GROVZ 7000, WULAM 6000, BONNA 5000, SAMMZ 4000, JACKO 3000, CIJOT/2.27 DME 1520* 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>1025</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: JACKO 3000 OM: <u> </u> - MM: <u> </u> - IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 54.9 8. MSA FROM: MSP VOR/DME 090-270 2800, 270-090 3500																MAG VAR: 0E		EPOCH YEAR: 2015	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		LOC: 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				
S-ILS 30R	1072	4000	250	1072	4000	250	1072	4000	250	1072	4000	250	1072	4000	250				
S-LOC 30R	1520	4000	698	1520	4000	698	1520	1 3/4	698	1520	1 3/4	698	1520	1 3/4	698				
CIRCLING	1520	1	678	1520	1	678	1520	2	678	1660	2 3/4	818	1800	3	958				
CIJOT FIX MINIMUMS																			
S-LOC 30R	1340	4000	518	1340	4000	518	1340	1 1/4	518	1340	1 1/4	518	1340	1 1/4	518				
CIRCLING	1360	1	518	1360	1	518	1460	1 3/4	618	1660	2 3/4	818	1800	3	958				
NOTES: CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 30L. CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-LOC 30R CAT D AND E VISIBILITY TO 2 MILES. CIJOT FIX MINIMUMS: INCREASE S-LOC 30R CAT C/D/E VISIBILITY TO 1 3/8 MILE. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 30R ALL CATS. (SEE FORM 8260-10)																			
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 842 TDZE: 822 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		FACILITY IDENTIFIER: I-INN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z OR LOC RWY 30R, AMDT 15 5 MARCH 2015				SUP: ILS OR LOC RWY 30R									
										AMDT: 14									
										DATED 05/02/2013									

CAT A, B, C 700-2, CAT D 900-2 3/4, CAT E 1000-3
 @ CAT D 900-2 3/4, CAT E 1000-3



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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NOTES, (CONT.):**CHART PLANVIEW: RADAR REQUIRED.****CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.**

QUALITY
6
CHECKED

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 842

TDZE: 822

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-INN

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Z OR LOC RWY 30R, AMDT 15

5 MARCH 2015

SUP: ILS OR LOC RWY
30R


AMDT: 14

DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION								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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GROVZ	GROVZ	010	IAF	IF		FB				AA 07000	
	GROVZ	WULAM	020		TF		FB				AA 06000	
	GROVZ	BONNA	030		TF		FB				AA 05000	
	GROVZ	SAMMZ	040		CF		FB		301.4 ()	003.1	AA 04000	
		SAMMZ	010	FACF	IF		FB				AA 04000	GI 03000
		JACKO	020	FAF	CF		FB		301.0 ()	003.1	GI 03000	GS 03000
		RW30R	030	MAP	CF		FO		301.0 ()	006.7	AT 00875	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		301.4 ()		AA 01300	
		GEP	050		DF		FO				AA 03000	
		GEP	060		HM	L	FO		117.0 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		GEP	N450844.47		W0932223.45		N4508.741		W09322.391			
		MSP	N445347.40		W0931411.53		N4453.790		W09314.192			
		IINN (DME)	N445303.68		W0931148.87		N4453.061		W09311.815			
		BONNA	N444608.17		W0925609.02		N4446.136		W09256.150			
		GROVZ	N444250.91		W0924838.71		N4442.849		W09248.645			
		JACKO	N444924.96		W0930340.22		N4449.416		W09303.670			
		SAMMZ	N444746.62		W0925954.51		N4447.777		W09259.909			
		WULAM	N444429.60		W0925223.75		N4444.493		W09252.396			
		RW30R	N445253.54		W0931140.67		N4452.892		W09311.678			
		IINN (LOC)	N445340.84		W0931329.92		N4453.681		W09313.499			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW30R	00820		55							
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 842		TDZE: 822		FACILITY IDENTIFIER: I-INN		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS Z OR LOC RWY 30R, AMDT 15 5 MARCH 2015			SUP: ILS OR LOC RWY 30R AMDT: 14 DATED: 05/02/2013	



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LOC STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GROVZ	GROVZ	010	IAF	IF		FB				AA 07000	
	GROVZ	WULAM	020		TF		FB				AA 06000	
	GROVZ	BONNA	030		TF		FB				AA 05000	
	GROVZ	SAMMZ	040		CF		FB		301.4 ()	003.1	AA 04000	
		SAMMZ	010	FACF	IF		FB				AA 04000	
		JACKO	020	FAF	CF		FB		301.0 ()	003.1	AA 03000	
		CIJOT	021	SDF	CF		FB		301.0 ()	004.6	AA 01520	
		RW30R	030	MAP	CF		FO		301.0 ()	002.1	AT 00875	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		301.4 ()		AA 01300	
		GEP	050		DF		FO				AA 03000	
		GEP	060		HM	L	FO		117.0 ()	T01.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		GEP	N450844.47		W0932223.45		N4508.741		W09322.391			
		MSP	N445347.40		W0931411.53		N4453.790		W09314.192			
		IINN (DME)	N445303.68		W0931148.87		N4453.061		W09311.815			
		BONNA	N444608.17		W0925609.02		N4446.136		W09256.150			
		CIJOT	N445147.96		W0930909.38		N4451.799		W09309.156			
		GROVZ	N444250.91		W0924838.71		N4442.849		W09248.645			
		JACKO	N444924.96		W0930340.22		N4449.416		W09303.670			
		SAMMZ	N444746.62		W0925954.51		N4447.777		W09259.909			
		WULAM	N444429.60		W0925223.75		N4444.493		W09252.396			
		RW30R	N445253.54		W0931140.67		N4452.892		W09311.678			
		IINN (LOC)	N445340.84		W0931329.92		N4453.681		W09313.499			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW30R	00820		55							



CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 842	TDZE: 822	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 30R
	AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		I-INN	ILS Z OR LOC RWY 30R, AMDT 15	AMDT: 14
				5 MARCH 2015	DATED: 05/02/2013