

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - 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		RNP: DA						
GROVZ (IAF)		WULAM (TF) (FB) (RNP 1.00)		301.62 / 3.14				6000		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT GEP VORTAC AND HOLD.						
WULAM		BONNA (TF) (FB) (RNP 1.00)		301.58 / 3.14				5000								
BONNA (IF)		SAMMZ (TF) (FB) (RNP 1.00)		301.53 / 3.14				4000		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 117.00 INBOUND. DISTANCE TO THLD FROM 275 HAT: 0.69 NM. ROUTE TYPE: A,H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 874.7 MSL (DO NOT CHART) CHART MANDATORY 7000 AT TRTEL CHART MANDATORY 7000 AT GEEQU CHART MANDATORY 8000 AT OSMOH CHART MINIMUM 7000 AT GROVZ						
GEEQU (IF)		SAMMZ (TF) (FB) (RNP 1.00)		278.46 / 10.50				4000								
TRTEL (IAF)		SOGGY (TF) (FB) (RNP 1.00)		224.12 / 5.97				5000								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT JACKO																
3. FAC: 301.44 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: JACKO 3000																
5. DIST TO THLD FROM OM: 6.67 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 3000 GS ALT AT: JACKO 3000 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 54.9# 34:1 IS CLEAR																
8. MSA FROM: RW30R 3500																
MAG VAR: 0E EPOCH YEAR: 2015																
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
AUTHORIZATION REQUIRED																
RNP 0.15 DA		1097	4000	275	1097	4000	275	1097	4000	275	1097	4000	275			
RNP 0.30 DA		1305	1 3/8	483	1305	1 3/8	483	1305	1 3/8	483	1305	1 3/8	483			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19C (-2F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSF, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 4500, AND RNP 0.30 CAT D VISIBILITY TO 1 5/8 MILE. (SEE FORM 8260-10)																
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 842 TDZE: 822 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 30R, ORIG 30 APRIL 2015						SUP: AMDT: NONE DATED				

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RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33						
TERMINAL ROUTES, (CONT.):						
FROM	TO	COURSE AND DISTANCE	ALTITUDE			
SOGGY (IF)	SAMMZ (TF) (FB) (RNP 1.00)	271.06 / 5.95	4000			
SAMMZ	JACKO (TF) (FB) (RNP 1.00)	301.49 / 3.14	3000			
OSMOH (IAF)	BAYZL (TF) (FB) (RNP 1.00)	121.36 / 4.81	7000			
BAYZL (IF)	HIGHA (TF) (FB) (RNP 1.00)	121.64 / 4.33	6000			
HIGHA	COTTG (RF) (FB) (RNP 1.00)	(3.04 NM RADIUS CW (CFMDJ) / 4.71	4500			
COTTG	RVERR (RF) (FB) (RNP 1.00)	(3.04 NM RADIUS CW (CFMDJ) / 3.27	3500			
RVERR	JACKO (RF) (FB) (RNP 1.00)	(3.04 NM RADIUS CW (CFMDJ) / 1.57	3000			
JACKO (FAF)	RW30R (MAP) (TF) (FO)	301.44 / 6.67				
RW30R (MAP)	1300 MSL (CA)	301.44	1300			
1300 MSL	GEP VORTAC (DF) (FO)		3000			
NOTES, (CONT.): CHART NOTE: GPS REQUIRED. CHART SPEED ICON IN PLANVIEW AT GEEQU : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT TRTEL : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT OSMOH : MAX 210 KIAS. CHART PLANVIEW NOTE ADJACENT TO OSMOH IAF: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART PLANVIEW NOTE AT GROVZ: RADAR REQUIRED FOR PROCEDURE ENTRY AT GROVZ. CHART PLANVIEW NOTE AT OSMOH: RADAR REQUIRED FOR PROCEDURE ENTRY AT OSMOH.						
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 842 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	TDZE: 822	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 30R, ORIG 30 APRIL 2015	SUP: AMDT: NONE DATED:



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ARINC PACKET - 424-18 - RNAV (RNP)

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QUALITY  
15  
CHECKED

CITY AND STATE  MINNEAPOLIS, MN	ELEVATION: 842	TDZE: 822	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN			RNAV (RNP) Y RWY 30R, ORIG	AMDT: NONE
				30 APRIL 2015	DATED:

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SUSAP	KMSPK3FH30RY	AOSMOH	060JACKOK3PC0EE	R010RF	0030402719	30140016	+	03000		CFMDJ	K3PCA	FS
SUSAP	KMSPK3FH30RY	ATRTEL	010TRTELK3PC0E	A	IF			07000	18000210		A-FS	
SUSAP	KMSPK3FH30RY	ATRTEL	020SOGGYK3PC0E	B	010TF			+	05000		A	FS
SUSAP	KMSPK3FH30RY	ATRTEL	030SAMMZK3PC0E		010TF			+	04000		A	FS
SUSAP	KMSPK3FH30RY	ATRTEL	040JACKOK3PC0EE		010TF			+	03000		A	FS
SUSAP	KMSPK3FH30RY	H	020JACKOK3PC1E	F	IF			+	03000	18000	RW30R	K3PGA
SUSAP	KMSPK3FH30RY	H	020JACKOK3PC2W						A031A152		FS	
SUSAP	KMSPK3FH30RY	H	030RW30RK3PG0GY	M	031TF				00875	-300	A	FS
SUSAP	KMSPK3FH30RY	H	040	0	M	CA	3014	+	01300		A	FS
SUSAP	KMSPK3FH30RY	H	050GEP	K3D	0VY	DF		+	03000		A	FS
SUSAP	KMSPK3FH30RY	H	060GEP	K3D	0VE	L	HM	11700040	+	03000	A	FS

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QUALITY  
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CITY AND STATE  MINNEAPOLIS, MN	ELEVATION: 842	TDZE: 822	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  RNAV (RNP) Y RWY 30R, ORIG  30 APRIL 2015	SUP:
	AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN				AMDT: NONE
					DATED:

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FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GEEQU	GEEQU	010		IF		FB				AT 07000	AB 210
	GEEQU	SAMMZ	020		TF		FB	1.0			AA 04000	
	GEEQU	JACKO	030		TF		FB	1.0			AA 03000	
	GROVZ	GROVZ	010	IAF	IF		FB				AA 07000	
	GROVZ	WULAM	020		TF		FB	1.0			AA 06000	
	GROVZ	BONNA	030		TF		FB	1.0			AA 05000	
	GROVZ	SAMMZ	040		TF		FB	1.0			AA 04000	
	GROVZ	JACKO	050		TF		FB	1.0			AA 03000	
	OSMOH	OSMOH	010	IAF	IF		FB				AT 08000	AB 210
	OSMOH	BAYZL	020		TF		FB	1.0			AA 07000	
	OSMOH	HIGHA	030		TF		FB	1.0			AA 06000	
	OSMOH	COTTG	040		RF	R	FB	1.0		004.7	AA 04500	
	OSMOH	RVERR	050		RF	R	FB	1.0		003.3	AA 03500	
	OSMOH	JACKO	060		RF	R	FB	1.0		001.6	AA 03000	
	TRTEL	TRTEL	010	IAF	IF		FB				AT 07000	AB 210
	TRTEL	SOGGY	020		TF		FB	1.0			AA 05000	
	TRTEL	SAMMZ	030		TF		FB	1.0			AA 04000	
	TRTEL	JACKO	040		TF		FB	1.0			AA 03000	
	JACKO	JACKO	020	FAF	IF		FB				AA 03000	
	RW30R		030	MAP	TF		FO	0.3			AT 00875	
MISSED APPROACH												
			040		CA		FB		301.4 (301.4T)		AA 01300	
	GEP		050		DF		FO				AA 03000	
	GEP		060		HM	L	FO		117.0 (117.0T)	004.0	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		
	BAYZL			N445652.24		W0930422.31		N4456.871		W09304.372		
	BONNA			N444608.17		W0925609.02		N4446.136		W09256.150		
	CFMDJ			N445200.67		W0930126.32		N4452.011		W09301.439		
	COTTG			N445028.21		W0925745.05		N4450.470		W09257.751		
	GEEQU			N444614.91		W0924519.26		N4446.249		W09245.321		
	GROVZ			N444250.91		W0924838.71		N4442.849		W09248.645		
	HIGHA			N445435.98		W0925911.42		N4454.600		W09259.190		
	JACKO			N444924.96		W0930340.22		N4449.416		W09303.670		
	OSMOH			N445922.61		W0931009.42		N4459.377		W09310.157		
	RVERR			N444858.23		W0930134.87		N4448.971		W09301.581		
	SAMMZ			N444746.62		W0925954.51		N4447.777		W09259.909		
	SOGGY			N444740.29		W0925133.11		N4447.672		W09251.552		
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								30 APRIL 2015			DATED:	

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<table><tr><td>TRTEL</td><td>N445157.46</td><td>W0924543.09</td><td>N4451.958</td><td>W09245.718</td></tr><tr><td>WULAM</td><td>N444429.60</td><td>W0925223.75</td><td>N4444.493</td><td>W09252.396</td></tr><tr><td>RW30R</td><td>N445253.54</td><td>W0931140.67</td><td>N4452.892</td><td>W09311.678</td></tr></table> <table><tr><td>RUNWAY DATA</td><td></td><td>THRESHOLD</td><td></td><td></td><td></td></tr><tr><td></td><td>RWY</td><td>ELEVATION</td><td>TCH</td><td></td><td></td></tr><tr><td></td><td>RW30R</td><td>00820</td><td>55</td><td></td><td></td></tr></table>						TRTEL	N445157.46	W0924543.09	N4451.958	W09245.718	WULAM	N444429.60	W0925223.75	N4444.493	W09252.396	RW30R	N445253.54	W0931140.67	N4452.892	W09311.678	RUNWAY DATA		THRESHOLD					RWY	ELEVATION	TCH				RW30R	00820	55		
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