

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		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3000 DIRECT CHETZ AND ON TRACK 335.16 TO GEP VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 117.00 INBOUND. CHART FAS OBST: 1043 BLDG 445121N/0931335W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.24 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 90128 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 226.8 M						
ZIBBY		IJVES (FB)			030.20 / 12.29			7000								
IJVES		JAMEZ (FB)			349.63 / 15.10			7000								
JAMEZ (IAF)		OBERR (FB)			349.59 / 3.49			6000								
OBERR		SSTAR (FB)			349.60 / 3.50			5000								
SSTAR (IF)		ROZEE (FB)			349.57 / 3.14			4000								
ROZEE		LORAH (FB)			349.56 / 3.14			3000								
LORAH (FAF) (SEE FORM 8260-10)		HUCUM/2.30 NM TO RW35 (FB)			349.55 / 4.33											
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 JAMEZ 3. FAC: <u>349.55</u> FAF: <u>LORAH</u> DIST FAF TO MAP: <u>6.63</u> THLD: <u>6.63</u> 4. MIN. ALT: JAMEZ 7000, OBERR 6000, SSTAR 5000, ROZEE 4000, LORAH 3000, HUCUM/2.30 NM TO RW35 1620* 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> </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>LORAH 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW35 3500</u>										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	
LPV DA	1034	2400	200	1034	2400	200	1034	2400	200	1034	2400	200	1034	2400	200	
LNAV/VNAV DA	1204	4000	370	1204	4000	370	1204	4000	370	1204	4000	370	1204	4000	370	
LNAV MDA	1300	2400	466	1300	2400	466	1300	5000	466	1300	5000	466	1300	5000	466	
CIRCLING	1360	1	518	1360	1	518	1460	1 3/4	618	1660	2 3/4	818	1800	3	958	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C @ CAT D 900-2 3/4, CAT E 1000-3 (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIBBY ON V13-411 SOUTHBOUND. (SEE FORM 8260-10)																
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 842 TDZE: 834 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 35, AMDT 3 30 APRIL 2015				SUP: 4		AMDT: 2		DATED 05/02/2013		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUCUM/2.30 NM TO RW35	RW35 (MAP) (FO)	349.55 / 2.30	
RW35 (MAP)	1034 MSL	349.55	
1034 MSL	CHETZ (FB)		
CHETZ	GEP VORTAC (FO)	335.16 / 10.71	3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/4 MILE AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 MILE.

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: 842 TDZE: 834
AIRPORT NAME:
MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAIN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 35, AMDT 3
30 APRIL 2015

SUP:
AMDT: 2
DATED: 05/02/2013

QUALITY
4
CHECKED

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSP
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	445158.2370N
LTP/FTP LONGITUDE	0931411.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+02268
FPAP LATITUDE	445325.8455N
FPAP LONGITUDE	0931434.6955W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7C181B5B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02540
FPAP ORTHOMETRIC HEIGHT	+02540

QUALITY
4

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 842 TDZE: 834 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 35, AMDT 3 30 APRIL 2015	SUP: CHECKED
				AMDT: 2
				DATED: 05/02/2013

<p align="center">U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</p> <p align="center"><u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u></p> <p align="center">FLIGHT STANDARDS SERVICES - FAR PART 97.33</p>	<p>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.</p>
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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMSPK3FR35-Z	AZIBBY	010ZIBBYK3EA0E	IF						18000		A JS	
SUSAP	KMSPK3FR35-Z	AZIBBY	020IJVESK3EA0E	020TF			03020123	+	07000			A JS	
SUSAP	KMSPK3FR35-Z	AZIBBY	030JAMEZK3EA0E	A 020TF			34960151	+	07000			A JS	
SUSAP	KMSPK3FR35-Z	AZIBBY	040OBERRK3EA0E	010TF			34960035	+	06000			A JS	
SUSAP	KMSPK3FR35-Z	AZIBBY	050SSTARK3EA0EE	B 010TF			34960035	+	05000			A JS	
SUSAP	KMSPK3FR35-Z	R	010SSTARK3EA0E	I IF				+	05000	18000		A JS	
SUSAP	KMSPK3FR35-Z	R	011ROZEEK3EA0E	051TF			34960031	+	04000			A JS	
SUSAP	KMSPK3FR35-Z	R	020LORAHK3EA1E	F 051TF			34960031	+	03000		RW35	K3PGA	JS
SUSAP	KMSPK3FR35-Z	R	020LORAHK3EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KMSPK3FR35-Z	R	021HUCUMK3EA0E	S 031TF			34960043	V	0162001621		-300		A JS
SUSAP	KMSPK3FR35-Z	R	030RW35 K3PGOGY	M 031TF			34960023		00888		-300		A JS
SUSAP	KMSPK3FR35-Z	R	040	0 M	CA		3496	+	01034				A JS
SUSAP	KMSPK3FR35-Z	R	050CHETZK3EA0E	DF									A JS
SUSAP	KMSPK3FR35-Z	R	060GEP K3D	OVY 010TF			3352	+	03000				A JS
SUSAP	KMSPK3FR35-Z	R	070GEP K3D	OVE L HM			11700040	+	03000				A JS

[illegible]

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: 842	TDZE: 834
AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	

FACILITY IDENTIFIER:

RNAV

<p>PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 35, AMDT 3 30 APRIL 2015</p>
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SUP:	
AMDT:	2
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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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SUSAP KMSPK3GRW35 0080003495 N44515824W093141192+0100 +0226800833000055150IIBMA3

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

SUSAP KMSPK3PR35-Z RW35 001Z0000W35A0N4451582370W09314119200+022680300N4453258455W09314346955106750312000549F4003507C181B5B													
SUSAP KMSPK3PR35-Z RW35 002E +02540+02540LPV 90128													

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

SUSAP KMSPK3SRW35 K3PG 0 18018003525 M													

CITY AND STATE
MINNEAPOLIS, MN

ELEVATION: 842 TDZE: 834
AIRPORT NAME:
MINNEAPOLIS-ST PAUL INTL/WOLD-
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PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Z RWY 35, AMDT 3
30 APRIL 2015

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FLIGHT STANDARDS SERVICES - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ZIBBY	ZIBBY	010		IF		FB					
	ZIBBY	IJVES	020		TF		FB	2.0	030.2 (030.2T)	012.3	AA 07000	
	ZIBBY	JAMEZ	030	IAF	TF		FB	2.0	349.6 (349.6T)	015.1	AA 07000	
	ZIBBY	OBERR	040		TF		FB	1.0	349.6 (349.6T)	003.5	AA 06000	
	ZIBBY	SSTAR	050		TF		FB	1.0	349.6 (349.6T)	003.5	AA 05000	
		SSTAR	010	FACF	IF		FB				AA 05000	
		ROZEE	011		TF		FB	0.5	349.6 (349.6T)	003.1	AA 04000	
		LORAH	020	FAF	TF		FB	0.5	349.6 (349.6T)	003.1	AA 03000	
		HUCUM	021	SDF	TF		FB	0.3	349.6 (349.6T)	004.3	AA 01620	GS 01621
		RW35	030	MAP	TF		FO	0.3	349.6 (349.6T)	002.3	AT 00888	
MISSED APPROACH												
			040		CA		FB		349.6 (349.6T)		AA 01034	
		CHETZ	050		DF		FB					
		GEP	060		TF		FO	1.0	335.2 (335.2T)		AA 03000	
		GEP	070		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	
		CHETZ			N445901.80		W0931602.17		N4459.030		W09316.036	
		HUCUM			N444942.55		W0931336.68		N4449.709		W09313.611	
		IJVES			N441732.93		W0930520.61		N4417.549		W09305.344	
		JAMEZ			N443224.23		W0930908.72		N4432.404		W09309.145	
		LORAH			N444527.01		W0931230.45		N4445.450		W09312.508	
		OBERR			N443550.17		W0931001.66		N4435.836		W09310.028	
		ROZEE			N444221.76		W0931142.54		N4442.363		W09311.709	
		SSTAR			N443916.51		W0931054.72		N4439.275		W09310.912	
		ZIBBY			N440655.95		W0931357.05		N4406.933		W09313.951	
		RW35			N445158.24		W0931411.92		N4451.971		W09314.199	
RUNWAY DATA												
		RWY		THRESHOLD ELEVATION			TCH					
		RW35		00833			55					

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