

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23							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		MAP: MANDG/0.66 DME					
PKD VOR/DME		AMARE/6.00 DME			316.00 / 6.00			3400		CLIMB TO 3200 THEN LEFT TURN DIRECT PKD VOR/DME AND HOLD.					
STRAW (IAF)		PEGZY/12.00 DME (NOPT)			091.00 / 7.44 (HDG) & 136.00 / 5.63 (PKD R-316)			3500							
PAWTA/12.00 DME CCW (IAF)		PEGZY/12.00 DME (NOPT)			12.00 DME ARC			3500							
PEGZY/12.00 DME (IF)		AMARE/6.00 DME			136.00 / 6.00 (PKD R-316)			3200							
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.00 INBOUND. CHART FAS OBST: 1601 WNDML 465543N/0950442W OBST: 1769 AAO 465826N/0951105W CHART VDP AT 1.94 DME DISTANCE VDP TO THLD 1.28 MILES. CHART (CFFWW) AT INTERSECTION OF STRAW DR LEG AND INTERMEDIATE COURSE. CHART PKD R-359 AT PAWTA. ZOSKA TO RW13: 3.02/48. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 609 FT FROM THLD.					
1. PT <u>L</u> SIDE OF COURSE <u>316.00</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>AMARE</u> (IAF)										MAG VAR: 4E EPOCH YEAR: 1995					
2.															
3. FAC <u>136.00</u> FAF <u>AMARE/6.00 DME</u> DIST FAF TO MAP <u>          </u> THLD <u>5.34</u>															
4. MIN. ALT <u>AMARE 3200, ZOSKA/2.50 DME 2080</u>															
8. MSA FROM: <u>PKD VOR/DME 3400</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13	1900	1	455	1900	1	455	1900	1 3/8	455	1900	1 3/8	455			
CIRCLING	1900	1	455	1980	1	535	2000	1 1/2	555	2500	3	1055			
NOTES: CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT. CHART NOTE: DME REQUIRED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: VDP NA WHEN USING WADENA ALTIMETER SETTING. (CONTINUED ON PAGE 2)															
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT D 1100-3															
CITY AND STATE PARK RAPIDS, MN		ELEVATION: 1445 AIRPORT NAME:  PARK RAPIDS MUNI-KONSHOK FIELD		TDZE: 1445		FACILITY IDENTIFIER: PKD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 9B				SUP VOR/DME RWY 13 AMDT 9A DATE 05/28/2015			

QUALITY  
4  
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/> ZMP, AMGR</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
JACOB A. POWERS (JEFFREY ROBINSON)				AJV-5421	01/20/2016
APPROVED BY					
NAME:				FIFO	DATE:
GEORGE GONZALEZMANAGER				AJV-5420	
CHANGES:					
<p>1. CHANGED MINIMUM ALTITUDE AT ZOSKA/2.50 DME FROM 2000 TO 2080.</p> <p>2. DELETED PROFILE VIEW NOTE: "**2080 WHEN USING WADENA ALTIMETER SETTING."</p> <p>3. CHANGED CIRCLING CAT A MDA/HAA FROM 1920/475 TO 1900/455, CAT B MDA/HAA FROM 1920/475 TO 1980/535, CIRCLING CAT C MDA/HAA FROM 1920/475 TO 2000/555, AND CIRCLING CAT D MDA/VIS/HAA FROM 2000/2/555 TO 2500/3/1055.</p> <p>4. ADDED ALTERNATE MINS NOTE "@ CAT D 1100-3."</p> <p>5. ADDED OBST 1769 AAO TO ADDITIONAL FLIGHT DATA.</p> <p>6. CHANGED DR LEG TERMINATION POINT CNF NAME FROM PELKE TO CFFWW IN ADDITIONAL FLIGHT DATA.</p> <p>7. ADDED CHART VDP DATA TO ADDITIONAL FLIGHT DATA.</p> <p>8. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.</p> <p>9. REMOVED CHART NOTE "WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT.</p> <p>10. CHANGED HELICOPTER VIS REDUCTION CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED."</p> <p>11. ADDED CHART NOTE "VDP NA WITH WADENA ALTIMETER SETTING."</p> <p>12. ADDED "AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE" TO BACKUP ALTIMETER SETTING NOTE.</p> <p>(SEE FORM 8260-10)</p>					
REASONS:					
<p>1, 2. SDF IS ALWAYS RECEIVED; APPLIED REMOTE ALT ADJ TO SDF MIN ALT.</p> <p>3, 4, 8, 12. APPLIED CURRENT CIRCLING CRITERIA AND REEVALUATED OEA.</p> <p>5. PARA 289 EXEMPTION.</p> <p>6. CURRENT CNF NAMING CONVENTION.</p> <p>7, 9, 11. RWY 13 20:1 SURFACE IS CLEAR AND OTHER VDP PUBLICATION CRITERIA MET.</p> <p>10. APPLIED CURRENT FORMATTING AND 34:1 SURFACE IS NOT CLEAR.</p> <p>13. APPLIED CURRENT FORMATTING AND RWY NUMBERS CHANGED.</p> <p>14. P-NOTAM, AMDT 9A.</p> <p>15, 16. APPLIED NEW NAMING CONVENTION PER 8260.3B, CHANGE 26.</p>					

QUALITY  
4  
CHECKED

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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.

**NOTES, (CONT.):****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WADENA ALTIMETER SETTING AND INCREASE****ALL MDA 80 FT; INCREASE S-13 CAT C/D VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C VISIBILITY****1/4 MILE.**

QUALITY  
4

Checked

CITY AND STATE

**PARK RAPIDS, MN****ELEVATION: 1445****TDZE: 1445**

AIRPORT NAME:

**PARK RAPIDS MUNI-KONSHOK FIELD**FACILITY  
IDENTIFIER:**PKD**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**VOR RWY 13, AMDT 9B**SUP: **VOR/DME RWY 13**AMDT: **9A**DATED: **05/28/2015**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	OTHER (specify) <div><input type="checkbox"/></div>		
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES: CHANGES CONT. 13. CHANGED CHART NOTE "CIRCLING TO RWY 17/35 NA AT NIGHT" TO "CIRCLING RWY 18, 36 NA AT NIGHT." 14. CHANGED THRE 1445 TO TDZE 1445. 15. REMOVED "/DME" FROM PROCEDURE NAME. 16. ADDED CHART NOTE "DME REQUIRED."					
REASONS:					



<b>U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION</b> <b>VOR STANDARD INSTRUMENT APPROACH PROCEDURE</b> <b>FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.23</b>												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.		
ARINC SUMMARY - KPKD  ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
PAWTA	010	PAWTA	IF	FB										E A
PAWTA	020	PEGZY	AF	FB		358.6	PKD		L			AA 03500		EE B
PKD	010	PKD	IF	FB										V
PKD	020	AMARE	TF	FB								AA 03400		E
PKD	030	AMARE	PI	FB		271.0	PKD		R			AA 03400		E A
PKD	040	PEGZY	CF	FB		136.0	PKD					AA 03400		EE B
STRAW	010	STRAW	IF	FB										E A
STRAW	020	CFFWW	TF	FB								AA 03500		E
STRAW	030	PEGZY	CF	FB		136.0	PKD					AA 03500		EE B
	010	PEGZY	IF	FB								AA 03500		E I
	020	AMARE	CF	FB		136.0	PKD			PKD		AA 03200		E F
	021	ZOSKA	CF	FB		136.0	PKD	3.02				AA 02080		E S
	030	MANDG	CF	FO		136.0	PKD	3.02				AT 01493		EY M
	040		CA	FB		136.0						AA 03200		M
	050	PKD	DF	FO					L			AA 03200		VY
	060	PKD	HM	FO		306.0			R			AA 03200		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PKD			N465353.34			W0950415.21								
PAWTA			N470552.24			W0950326.67								
STRAW			N470801.55			W0953142.44								
AMARE			N465828.85			W0950953.14								
CFFWW			N470722.13			W0952050.96								
MANDG			N465423.86			W0950452.58								
PEGZY			N470304.09			W0951532.03								
ZOSKA			N465548.17			W0950635.90								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW13		N465424.19			W0950452.00			01445			48			

QUALITY  
15  
CHECKED

CITY AND STATE <b>PARK RAPIDS, MN</b>	ELEVATION: <b>1445</b> <b>TDZE: 1445</b> AIRPORT NAME: <b>PARK RAPIDS MUNI-KONSHOK FIELD</b>	FACILITY IDENTIFIER:  <b>PKD</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>VOR RWY 13, AMDT 9B,</b>	SUP: <b>VOR/DME RWY 13</b>
				AMDT: <b>9A</b>
				DATED: <b>05/28/2015</b>

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.			
FEEDER		PKD VOR/DME		AMARE/6.00 DME		1. TOWER (27-000271)		465758.00N/0950613.00W		1861 (4D)		1000		AT539		3400			
						2. TERRAIN		465845.00N/0950657.00W		1569 (1600)				AS1500		3100			
INITIAL		STRAW		PEGZY/12.00 DME		3. AAO		471404.80N/0953022.80W		2205 (6C)		1000				3300			
						4. TERRAIN		471404.80N/0953022.80W		2005 (2000)				AS1500		3500			
INITIAL: ARC		PAWTA/12.00 DME		PEGZY/12.00 DME		5. TOWER (27-020725)		470626.40N/0950755.94W		2006 (1A)		1000		AT494		3500			
		CCW				6. TERRAIN		470830.00N/0950706.00W		1769 (1800)				AS1500		3300			
INTERMEDIATE		PEGZY/12.00 DME		AMARE/6.00 DME		7. AAO		470124.00N/0951600.00W		1861 (4E)		500		AC98		2500			
						8. TERRAIN		470124.00N/0951600.00W		1661 (1700)				AS1500		3200			
INTERMEDIATE: PT		10 NM		AMARE/6.00 DME		9. AAO		470830.00N/0951442.00W		1903 (4E)		1000		AC98		3100			
						10. TERRAIN		470830.00N/0951442.00W		1703 (1700)				AS1500		3200			
FINAL		AMARE/6.00 DME		ZOSKA/2.50 DME		11. AAO		465714.83N/0951038.63W		1749 (2C)		250		RA75		2080			
FINAL: STEPDOWN		ZOSKA/2.50 DME		MANDG/0.66 DME		12. WNDML (27-026672)		465542.81N/0950442.02W		1601 (1B)		250		XP49		1900			
2. PROCEDURE TURN		AMARE		10 NM		13. TOWER (27-020565)		471005.66N/0952715.77W		2118 (4D)		1000				3200			
						14. TERRAIN		471224.00N/0951847.40W		1895 (1900)				AS1500		3400			
3. MISSED APPROACH	MAP:	MANDG/0.66 DME		PKD VOR/DME								ASC				3200			
	ELEV:	1650				15. TOWER (27-001799)		465551.00N/0950028.00W		2138 (4D)		1000				3200			
						16. TERRAIN		465830.00N/0945930.00W		1572 (1600)				AS1500		3100			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	455	17. TANK (27-024181)		465525.83N/0950351.18W		1600 (1A)		300		1900			
CATEGORY B		1.5 NM			450		535	18. TOWER (27-000633)		465547.00N/0950253.00W		1625 (4D)		300		AC50		1980	
CATEGORY C		1.7 NM			450		555	19. TOWER (27-000907)		465418.00N/0950106.00W		1681 (3C)		300				2000	
CATEGORY D		2.3 NM			550		1055	15. TOWER (27-001799)		465550.67N/0950028.02W		2138 (4D)		300		AC50		2500	
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (27-000202)		081/25.4		2387 (4D)		3400											
CITY AND STATE		ELEVATION: 1445		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION											
PARK RAPIDS, MN		AIRPORT NAME: PARK RAPIDS MUNI-KONSHOK FIELD		PKD VOR/DME		VOR RWY 13, AMDT 9B		AGL											

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  <b>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</b>  TERPS PARAGRAPH 289 APPLIED TO 1769 AAO 465826N/0951105W  ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.31NM CAT B: 1.86NM CAT C: 2.92NM CAT D: 3.82NM  NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME KPKD 1445, KADC 1368 RA = 74.3.  100 FT VEGETATION USED PER FPT.  VGSI DATA: 3.00/47.7.  TERPS, VOLUME 1, PARAGRAPH 251 VISUAL PORTION OF FINAL PENETRATIONS: 34:1 1476 TREE (KPKD0043) 465434.77N/0950501.37W (1.57) 1479 TREE (KPKD0037) 465430.65N/0950506.79W (5.43) 1479 TREE (KPKD0027) 465429.39N/0950504.38W (11.56) FPT NOTIFIED OF PENETRATIONS.  OBS #15 4D VERIFIED: 2001-AGL-2678-OE. OBS #13 4D VERIFIED: 2006-AGL-2292-OE.  NO OIS SURVEY FOR RWY 18, 36; UNABLE TO VERIFY 20:1 SURFACES. NIGHT LANDING RWY 18, 36 NA.  XP: RETAIN PUBLISHED MDA.																			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																					
ZMP ARTCC PNM FSS						N W S		OTHER: ASOS												SOURCE:KPKD / KADC									
						F A A														DISTANCE: 0 / 27.65									
						A / C														HOURS REMOTE OPERATION: 0 / 24									
SATISFACTORY ON:																													
X		V H F		X		U H F														H F		LOCATION: KPKD				ADJUSTMENT: 0 / 75			
4. MONITOR STATUS		PRIMARY NAVAID: PKD VOR/DME																											
		MONITOR POINT: MOCC																											
		HRS OPTN:		CAT 1		24														CAT 3									
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
		X		MALSR 31 (PCL)																									
		X		HIRL 13 (PCL), 31 (PCL)																									
		X		MIRL 18 (PCL), 36 (PCL)																									
		X		REIL 13 (PCL), 18 (PCL), 36 (PCL)																									
				TDZ																									
				C/LINE																									
X		OTHER (SPECIFY) PAPI-4L 13 (PCL), 18 (PCL), 31 (PCL) PAPI-4R 36 (PCL)																											
6. RUNWAY MARKINGS		BASIC BSC-G 18, 36																											
		ALL WEATHER PIR-G 13, 31																											
		INSTRUMENT																											
7. RUNWAY VISUAL RANGE		APPROACH																											
		MIDFIELD																											
		ROLL OUT																											
8. GLIDE PATH		GP ANGLE:								ELEV RWY THRESHOLD:																			
		DISTANCE FROM RWY:								ELEV GP ANTENNA:																			
		THRESHOLD CROSSING HEIGHT:																											
9. FINAL APPROACH COURSE AIMING						RUNWAY THRESHOLD 609 FT. FROM THRESHOLD																							
				X		ON CENTERLINE FT. FROM CENTERLINE																							
10. WAIVERS: NONE																													
PART D - PREPARED BY: JACOB A. POWERS (JEFFREY ROBINSON)										DATE: 01/20/2016																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5421																			

QUALITY  
4  
CHECKED