

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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: RW16 CLIMB TO 3000 DIRECT OFKEQ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 345.50 INBOUND. FAS OBST: 1109 AAO 412755N/0925857W DISTANCE TO THLD FROM 347 HAT: 0.97 NM. WAAS CHANNEL # 77610 REFERENCE PATH ID: W16A CHART TDZE: 885.									
KEZRI (IAF)		AYRAN (NOPT) (FB)		075.36 / 5.00				4000											
EQIRU (IAF)		AYRAN (NOPT) (FB)		255.50 / 5.00				4000											
AYRAN (IF/IAF)		WUBZU (FB)		165.43 / 8.00				2500											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N AYRAN, RT, 165.43 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 165.45 FAF: WUBZU _____ DIST FAF TO MAP: 4.88 THLD: 4.88 4. MIN. ALT: AYRAN 4000, WUBZU 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: WUBZU _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 8. MSA FROM: _____												MAG VAR: 2E EPOCH YEAR: 2000							
MINIMUMS																			
TAKEOFF:		STANDARD		X		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		1232	1 1/4	347	1232	1 1/4	347	1232	1 1/4	347		NA							
LNAV/VNAV DA		1288	1 1/2	403	1288	1 1/2	403	1288	1 1/2	403		NA							
LNAV MDA		1360	1	475	1360	1	475	1360	1 1/4	475		NA							
CIRCLING		1380	1	495	1380	1	495	1440	1 1/2	555		NA							
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING KNOXVILLE ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																			
CITY AND STATE PELLA, IA				ELEVATION: 885 TDZE: 885 AIRPORT NAME: PELLA MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1				SUP: RNAV (GPS) 2 RWY 16 AMDT: ORIG-A DATED 03/21/2002					

 QUALITY
2
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE ROUTINE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBA <input checked="" type="checkbox"/>
					OTHER (specify) <u>ZAU, DSM APP CON, AMGR, IA STATE AERO</u>
FLIGHT CHECKED BY					
NAME: <u>Anthony D Vallera</u>				FIFO AVN	DATE: 8/25/08
DEVELOPED BY					
NAME: <u>PABLO ORTIZ</u>				FIFO AVN-120	DATE: 06/10/2008
APPROVED BY					
NAME: <u>JOHN BICKERSTAFF</u>				FIFO AVN-120	DATE: SEP 25 2008
CHANGES:					
1. CHANGED COURSE BETWEEN KEZRI AND AYRAN FROM 075.35 TO 075.36. 2. CHANGED COURSE BETWEEN EQIRU AND AYRAN FROM 255.49 TO 255.50. 3. CHANGED COURSE BETWEEN AYRAN AND WUBZU FROM 165.42 TO 165.43. 4. CHANGED TAA STRAIGHT-IN AREA FROM 075/30 CW 255/30 TO 075/30 CW 256/30. 5. CHANGED TAA LEFT BASE AREA FROM 255/30 CW 345/30 TO 256/30 CW 345/30. 6. CHANGED HOLD-IN-LIEU INBOUND COURSE FROM 165.42 TO 165.43. 7. CHANGED FINAL COURSE FROM 165.44 TO 165.45. 8. ADDED DIST FAF TO MAP 4.88 AND CHANGED DIST FAF TO THLD FROM 5.00 TO 4.88. 9. ADDED MIN GS INCPT 2500 AND GS ALT AT WUBZU. 10. ADDED GS ANGLE 3.00 AND TCH 40.0. 11. CHANGED MISSED APPROACH FROM CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 4000 DIRECT AYRAN WP AND HOLD TO CLIMB TO 4000 DIRECT OFKEQ AND HOLD. 12. ADDED WASS CHANNEL AND REFERENCE PATH ID. 13. ADDED LPV AND LNAV/VNAV DATA. 14. REMOVED VDA DATA. SEE 8260-10					
REASONS:					
1, 2, 3, 4, 5, 6, 7. NEW FINAL COURSE ALIGNMENT. 8. ESTABLISHED RNP PFAF LOCATION. 9, 10, 12. DOCUMENTATION REQUIREMENT. 11. TO BRING UP TO CRITERIA STANDARDS. 13. FPO REQUEST. 14. NOT REQUIRED WITH PRECISION PROCEDURE. 15. NEW CONTROLLING OBSTRUCTION AND DOCUMENTATION REQUIREMENT. 16. NEW POLICY TO PUBLISH BACK-UP ALTIMETER SETTING BY NOTE. 17, 18. NEW DOCUMENTATION REQUIREMENT. 19. BARO-VNAV IS NOT AUTHORIZED WITH BACK-UP ALTIMETERS. 20. VGSI AND RNAV GLIDEPATHS ARE NOT COINCIDENT. 21. RNAV Y SPECIALS ARE CANCELLED. 22. ALTERNATE MINIMUMS NOW AUTHORIZED FOR RNAV PROCEDURES. 23. NEW KPEA AIRPORT DETAIL.					

QUALITY
 2
 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.			
STRAIGHT-IN AREA	075/30 CW 256/30	AYRAN	1. TOWER (19-001431)	414948.00N/0933654.60W	2996 (2B)	1000		4000			
			2. TERRAIN	420312.00N/0931218.00W	1175 (1200)	AS1500	2700				
LEFT BASE AREA	256/30 CW 345/30	EQIRU	3. TOWER (19-001428)	414123.04N/0922131.63W	1440 (5D)	1000	AT1560	4000			
			4. TERRAIN	413857.00N/0924106.00W	1011 (1000)	AS1500	2500				
RIGHT BASE AREA	345/30 CW 075/30	KEZRI	5. TOWER (19-000791)	413217.00N/0931757.00W	1642 (3C)	1000	AT1358	4000			
			6. TERRAIN	412815.00N/0934245.00W	1063 (1100)	AS1500	2600				
INITIAL	KEZRI	AYRAN	7. TOWER (19-000541)	413624.90N/0930031.70W	1138 (5D)	1000	AT1862	4000			
			8. TERRAIN	413745.00N/0925906.00W	936 (900)	AS1500	2400				
INITIAL	EQIRU	AYRAN	9. TOWER (19-001526)	414119.56N/0925431.92W	1315 (2C)	1000	AT1685	4000			
			10. TERRAIN	414133.00N/0925633.00W	962 (1000)	AS1500	2500				
INTERMEDIATE	AYRAN (IF/IAF)	WUBZU	7. TOWER (19-000541)	413624.90N/0930031.70W	1138 (5D)	500	AT862	2500			
			11. TERRAIN	413645.00N/0925815.00W	929 (900)	AS1500	2400				
FINAL: LPV	WUBZU	DA	12. TREE	412452.77N/0925706.64W	979 (2C)	27.03:1	AC20	1232/347			
FINAL: LNAV/VNAV	WUBZU	DA	13. TREE	412511.94N/0925644.36W	989 (2C)	23.4:1	AC20	1288/403			
2. HOLD-IN-LIEU-OF-PT	AYRAN	P-5	15. TOWER (19-000872)	414411.00N/0930115.00W	1276 (5D)	1000	AT1724	4000			
			16. TERRAIN	414551.00N/0930254.00W	1001 (1000)	AS1500	2500				
			17. TOWER (19-002894)	412441.30N/0925548.90W	1035 (4D)	ASC	AC50	3000			
			18. ELEVTR (19-001590)	412347.00N/0925421.00W	1127 (2C)	1000		2200			
3. MISSED APPROACH	MAP: DA/DA/RW16	OFKEQ	19. TERRAIN	411300.00N/0925321.00W	906 (900)		AC1500	2400			
	ELEV: 999/1010/1110										
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	495	20. STACK	412350.00N/0925506.00W	1064 (2C)	300		1380
CATEGORY B	1.5 NM		450		495	20. STACK	412350.00N/0925506.00W	1064 (2C)	300		1380
CATEGORY C	1.7 NM		450		555	20. STACK	412350.00N/0925506.00W	1064 (2C)	300	XP76	1440
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAID:							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
CITY AND STATE		AIRPORT & ELEVATION		885	FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
PELLA, IA		PELLA MUNI			RNAV		RNAV (GPS) RWY 16, AMDT 1		ACE		

PART - A OBSTRUCTION DATA

QUALITY
2
CHECKED

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:
SEE ATTACHED AIRSPACE LETTER.

RASS (PRESSURE PATTERNS ARE THE SAME):
KPEA 885 MSL.
KOXV 928 MSL.

LPV:
INNER SURFACE: 27.03:1.
OUTER SURFACE: 34:1.

LNAV/VNAV:
INNER SURFACE: 23.4:1.
OUTER SURFACE: 34:1.

EQIRU 4138.140N/09254.088W.
KEZRI 4135.962N/09307.101W.
AYRAN 4137.054N/09300.596W.
WUBZU 4129.242N/09258.279W.
RWY 16 (DRWT) 4124.475N/09256.870W.
OFKEQ 4112.976N/09253.485W.

REMOTE ALTIMETER ROUNDED TO 29 FEET FOR DA AND 40 FEET
FOR MDA AND PUBLISHED AS A NOTE.

FAAO 8260.3 PARA 251 34:1 PENETRATIONS RWY 16:
KPEAT091 POLE 412438.80N/0925700.39W 928.00 15.42
KPEAT089 POLE 412443.12N/0925649.22W 927.00 7.30
KPEAT079 TREE 412439.19N/0925657.19W 916.00 3.84
KPEAT074 POLE 412437.66N/0925649.77W 907.00 2.89
KPEAT071 TREE 412433.49N/0925648.22W 906.00 14.76
KPEAT050 TREE 412435.05N/0925650.07W 897.00 0.33
TREE 412452.77N/0925706.64W 979.00 22.80

FPO NOTIFIED OF 20:1 PENETRATIONS RWY 16/34.

FAAO 8260.3 PARA 251 20:1 PENETRATIONS RWY 16:
KPEAT071 TREE 412433.49N/0925648.22W 906.00 14.76

FAAO 8260.3 PARA 251 20:1 PENETRATIONS RWY 34:
KPEAT102 TREE 412325.36N/0925630.38W 953.00 12.84
KPEAT114 TREE 412331.38N/0925637.95W 906.00 1.82

CIRCLING OBSTRUCTION #20 182' STACK 1064 MSL (2C)
CARRIED OVER FROM PREVIOUS PUBLISHED PROCEDURE.

MA OBSTRUCTION #17 (19-002894) AC OF 4D EXTRACTED FROM
OE-AAA PROGRAM.

MA LEVEL SURFACE OBSTRUCTION #18 (19-001590) AC CARRIED
OVER FROM SPECIAL RNAV RWY 16.

ISA DEVIATION: -30.

BARO-VNAV NA ABOVE 95C (203F), CHARTED 54C (103F).

100' VEGETATION USED IN FINAL.

XP76 - PER AVN 120 POLICY TO MAINTAIN CURRENT MDA.

PART B - SUPPLEMENTAL DATA										
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING				
ZAU ARTCC DSM APP CON FOD FSS			NWS		OTHER: AWOS-3		SOURCE:			
			FAA				DISTANCE:			
			A/C				HOURS REMOTE OPERATION:			
SATISFACTORY ON:			LOCATION:			ADJUSTMENT:				
<input checked="" type="checkbox"/> VHF <input checked="" type="checkbox"/> UHF <input type="checkbox"/> HF			KPEA			HRS OPTN:				
4. MONITOR STATUS	PRIMARY					SECONDARY				
	NAVAID:					NAVAID:				
	MONITOR POINT:					MONITOR POINT:				
	HRS OPTN:		CAT 1			HRS OPTN:		CAT 1		
		CAT 3					CAT 3			
5. AIRSPACE		FLOOR OF CONTROLLED AIRSPACE UNDER FAC					CONTROL AREA			
		CONTROL ZONE:					HOURS OPTN		TRANSITION AREA	
6. APPROACH & RUNWAY LIGHTING	ALS					X		REIL 16, 34 (PCL)		
	(S) SALS							TDZ		
	MALS							C/LINE		
	HIRL							OTHER (SPECIFY)		
	X MIRL 16, 34 (PCL)					X		PAPI-2L 16, 34 (PCL)		
7. RUNWAY MARKINGS					8. RUNWAY VISUAL RANGE					
ALL WEATHER					APPROACH					
INSTRUMENT NPI-G 16, 34					ROLL OUT					
9. GLIDE SLOPE		G S ANGLE: 3.00			ELEV RWY THRESHOLD: 884.6					
		DISTANCE FROM RWY:			ELEV GS ANTENNA:					
					THRESHOLD CROSSING HEIGHT: 40.0					
10. FINAL APPROACH			X		RUNWAY THRESHOLD			FT. FROM THRESHOLD		
COURSE AIMING			X		ON CENTERLINE			FT. FROM CENTERLINE		
11. WAIVERS OF STANDARDS			NUMBER OF WAIVERS ON FILE			DATES OF APPROVAL				
			NONE							
PART C - REMARKS: VDP NOT ESTABLISHED - VISIBILITY NOT BELOW 1 MILE: OBSTACLES PENETRATE 20:1 AND VDP IS LESS THAN 0.50 AFTER STEPDOWN. THRESHOLD DISPLACED 200.00 FEET. PRECIPITOUS TERRAIN EVALUATION COMPLETED. BOTH KPEA AND KOXV AWOS-3 ARE ON SERVICE A. 2. 24 HRS. 3. KPEA/KOXV, AWOS-3, 9.73 NM, 24 HRS, 28.40 FT. VGSI DATA RWY 16: 3.30/37.00.										
PART D - PREPARED BY:							DATE:			
PABLO ORTIZ							06/10/2008			
TITLE:							OFFICE:			
AERONAUTICAL INFORMATION SPECIALIST							AVN-120			

QUALITY
2
CHECKED