

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							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: RW34									
HORAN (IAF)			JUSPO (NOPT) (TF) (FB) (RNP 1.00)			245.56 / 7.65			2000		CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JUSPO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.									
RETE (IAF)			JUSPO (NOPT) (TF) (FB) (RNP 1.00)			065.40 / 7.65			2000											
JUSPO (IF/IAF)			IQJAZ (TF) (FB) (RNP 1.00)			335.48 / 6.01			1600											
IQJAZ (FAF)			SIPLE/1.80 NM TO RW34 (TF) (FB) (RNP 0.30)			335.43 / 2.75														
SIPLE/1.80 NM TO RW34			RW34 (MAP) (TF) (FO) (RNP 0.30)			335.43 / 1.80					ADDITIONAL FLIGHT DATA: CHART FAS OBST: 217 TREE 364057N/0772909W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. CHART VDP AT 1.03 NM TO RW34* *LNAV ONLY. WAAS CHANNEL # 63226 REFERENCE PATH ID: W34A CHART CIRCLING ICON. LTP HAE: -.3 M									
(SEE FORM 8260-10)																				
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																				
2. HOLD SE JUSPO, RT, 335.48 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																				
3. FAC: 335.43 FAF: IQJAZ DIST FAF TO MAP: 4.55 THLD: 4.55																				
4. MIN. ALT: JUSPO 2000, IQJAZ 1600, SIPLE/1.80 NM TO RW34 720*																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																				
6. MIN GS INCPT: 1600 GS ALT AT: IQJAZ 1600 OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 42.5 34:1 IS CLEAR																				
8. MSA FROM: RW34 1900																				
MAG VAR: 10W EPOCH YEAR: 2000																				
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	372	1	250	372	1	250		NA			NA									
LNAV/VNAV DA	372	1	250	372	1	250		NA			NA									
LNAV MDA	480	1	358	480	1	358		NA			NA									
CIRCLING																				
	580	1	453	580	1	453	680	1 1/2	553		NA									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA.																				
CITY AND STATE EMPORIA, VA		ELEVATION: 127 TDZE: 122 AIRPORT NAME: EMPORIA-GREENSVILLE RGNL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2					SUP: AMDT: 1A DATED 04/03/2014								

ALL AFFECTED PROCEDURES REVIEWED? <div><input 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"/> ZDC, AMGR, VA DOT</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
DANIEL D. OLSON (JASON KRETSCHMER)				AJV-5423	03/13/2017
APPROVED BY					
NAME:				FIFO	DATE:
JULIE A. MORGAN				AJV-5420	
CHANGES:					
<div>1. DELETED FKN VORTAC AND FEEDER SEGMENT.</div> <div>2. DELETED NOTE: PROCEDURE NA FOR ARRIVALS ON FKN VORTAC AIRWAY RADIALS 171 CW 288.</div> <div>3. DELETED DUFFI AND FEEDER SEGMENT.</div> <div>4. DELETED NOTE: PROCEDURE NA FOR ARRIVALS AT DUFFI ON V615 SOUTHWEST BOUND AND V157 SOUTHBOUND.</div> <div>5. CHANGED INITIAL FROM "WIGUQ-XETIY COURSE/DISTANCE 250.41/5.00" TO "HORAN-JUSPO COURSE/DISTANCE 245.56/7.65".</div> <div>6. CHANGED INITIAL FROM "URFAW-XETIY COURSE/DISTANCE 065.38/5.00" TO "RESTE-JUSPO COURSE/DISTANCE 065.40/7.65".</div> <div>7. CHANGED INTERMEDIATE FROM "XETIY COURSE/DISTANCE 335.47/5.01" TO INITIAL/INTERMEDIATE "JUSPO COURSE/DISTANCE 335.48/6.01".</div> <div>8. CHANGED LPV DA/HAT FROM 322/200 TO 372/250 FOR CAT A-B.</div> <div>9. CHANGED LNAV/VNAV DA/HAT FROM 440/318 TO 372/250 FOR CAT A-B.</div> <div>10. CHARTED CIRCLING ICON.</div> <div>11. ADDED CIRCLING MDA/HAA 680/553 FOR CAT C AND VIS 1 1/2 SM.</div> <div>12. REVISED LTP IN FAS DATA FROM 364052.3080N-0772840.4380W TO 364052.3045N-0772840.4330W.</div> <div>13. REVISED FPAP IN FAS DATA FROM 364205.7400N-0772943.3600W TO 364205.7370N-0772943.3530W.</div> <div>14. REVISED CRC REMAINDER IN FAS DATA FROM 46B6826E TO D26C8824.</div> <div>(SEE FORM 8260-10)</div>					
REASONS:					
<div>1/2/3/4. FKN VORTAC APPROVED FOR DECOMMISSION. FEEDER NOT REQUIRED IAW 8260.19G PARA 4-6-2A NOTE.</div> <div>5/6/7. INTERMEDIATE FIX MOVED 1 NM. INITIAL/INTERMEDIATE FIX NAMES CHANGED IAW 7400.2K PARA 3-3-4F.</div> <div>8/9. CHANGED LPV, LNAV/VNAV DA/HAT RECALCULATION FROM THRE 110 TO TDZE 122.</div> <div>10. CIRCLING MEETS CHANGE 21 CIRCLING CRITERIA.</div> <div>11. RAPT CONSENSUS BASED ON FUTURE RWY DEVELOPMENT ALLOWS FOR CAT A-B STRAIGHT-IN MINS AND CAT C CIRCLING MINS TO BE ADDED.</div> <div>12/13/14. IPDS RECALCULATED FAS DATA VALUES.</div> <div>15. MISSED APPROACH INSTRUCTIONS UPDATED IAW 8260.19G PARA 8-6-7F(2).</div> <div>16. FIX JUSPO IS NON-ENROUTE, HOLD-IN-LIEU OF PT ADDED FOR AIRCRAFT TO UTILIZE APPROACH FROM HOLDING.</div> <div>17/18/19. BACK-UP ALTIMETER SOURCE INFORMATION DOCUMENTED IAW 8260.19G PARA 8-6-6F(4).</div> <div>20. IFP-SIAP RECALCULATED VALUES.</div>					
PDF EDITS: ADDED 600 FT ALTITUDE TO TERMINAL ROUTES MISSED APPROACH CA LEG.					



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
RW34 (MAP)	600 MSL (CA)	335.43	600
600 MSL	JUSPO (DF) (FO) (RNP 1.00)		3000

QUALITY  
24  
CHECKED

CITY AND STATE  
EMPORIA, VA

ELEVATION: 127 TDZE: 122  
AIRPORT NAME:  
EMPORIA-GREENSVILLE RGNL

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 34, AMDT 2

SUP:  
AMDT: 1A  
DATED: 04/03/2014

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></div>		AAT <div></div>		ALPA <div></div>	
APA <div></div>		AOPA <div></div>		NBAA <div></div>	
OTHER (specify)		<div></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>15. CHANGED MISSED APPROACH FROM "CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT XETIY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" TO "CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT JUSPO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000".</div> <div>16. ADDED HOLD-IN-LIEU OF PT AT JUSPO, COURSE 335.48 INBOUND, RIGHT TURN.</div> <div>17. DELETED CHART NOTE: VDP AND BARO-VNAV NA WHEN USING AHOSKIE ALTIMETER SETTING.</div> <div>18. DELETED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AHOSKIE ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE.</div> <div>19. DELETED ALTERNATE MINIMUMS NOTE: @ NA WHEN LOCAL WEATHER NOT AVAILABLE.</div> <div>20. CHANGED AIRPORT ELEVATION FROM 126 TO 127, CIRCLING CAT A-B HAA FROM 454 TO 453, CAT C HAA FROM 554 TO 553.</div>					
REASONS:					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - 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.

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEMV
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	364052.3045N
LTP/FTP LONGITUDE	0772840.4330W
LTP/FTP ELLIPSOIDAL HEIGHT	-00003
FPAP LATITUDE	364205.7370N
FPAP LONGITUDE	0772943.3530W
THRESHOLD CROSSING HEIGHT (TCH)	00042.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D26C8824

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00335
FPAP ORTHOMETRIC HEIGHT	+00335

QUALITY  
24  
CHECKED

CITY AND STATE  EMPORIA, VA	ELEVATION: 127 AIRPORT NAME:  EMPORIA-GREENSVILLE RGNL	TDZE: 122  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 34, AMDT 2	SUP:
				AMDT: 1A
				DATED: 04/03/2014

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA      OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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.						
INITIAL		HORAN		JUSPO		1. TOWER (37-000191)		363049.00N/0771956.00W		441 (1D)	1000	AT559	2000						
						2. TERRAIN		363818.00N/0771430.00W		128 (100)		AS1500	1600						
INITIAL		RESTE		JUSPO		3. TOWER (37-001226)		363003.00N/0772457.00W		517 (5D)	1000	AT483	2000						
						4. TERRAIN		363039.00N/0772848.00W		148 (100)		AS1500	1600						
INTERMEDIATE		JUSPO (IF/IAF)		IQJAZ		5. AAO		363057.00N/0772312.00W		338 (4E)	500		900						
						6. TERRAIN		363057.00N/0772312.00W		137 (100)		AS1500	1600						
FINAL: LPV		IQJAZ		RW34							ASC		372/250						
FINAL: LNAV/VNAV		IQJAZ		RW34							ASC		372/250						
FINAL: LNAV		IQJAZ		SIPLE/1.80 NM TO RW34		7. AAO		363736.69N/0772617.63W		290 (2C)	250	DG180	720						
FINAL: LNAV STEPDOWN		SIPLE/1.80 NM TO RW34		RW34		8. TREE (KEMVT0024)		364056.53N/0772909.43W		217 (1A)	250		480						
2. HOLD-IN-LIEU-OF-PT		JUSPO		P-4		9. TOWER (37-020342)		362418.10N/0771344.10W		579 (5D)	1000	AT421	2000						
						10. TERRAIN		362851.00N/0772406.00W		344 (300)		AS1500	1800						
3. MISSED APPROACH	MAP:	DA / DA / RW34		JUSPO							ASC		3000						
	ELEV:	173/218/380				11. TOWER (51-002174)		364426.86N/0773026.52W		564 (4D)	1000		1600						
						12. TERRAIN		364542.00N/0773039.00W		168 (200)		AS1500	1700						
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		453		13. TWR (51-021131)		364103.89N/0772952.65W		271 (2C)	300		580		
CATEGORY B		1.5 NM				450		453		14. TWR (51-021133)		364103.41N/0772656.53W		273 (2C)	300		580		
CATEGORY C		1.7 NM				450		553		15. TOWER (51-002016)		364133.40N/0773148.10W		362 (2C)	300		680		
CATEGORY D		2.3 NM				550													
CATEGORY E		4.5 NM				550													
5. MINIMUM SAFE ALTITUDES													PRIMARY NAVAID: RW34						
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (51-000428)		309/22.9		873 (5D)		1900											
CITY AND STATE				ELEVATION: 127				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
EMPORIA, VA				AIRPORT NAME: EMPORIA-GREENSVILLE RGNL				RNAV				RNAV (GPS) RWY 34, AMDT 2				AEA			

QUALITY  
24  
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  PRECIPITOUS TERRAIN EVALUATION COMPLETED.  VGSI DATA: 3.00/42.5FT  AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION. CRITICAL TEMPERATURES CRITICAL LOW: -15C (5F) CRITICAL HIGH: +54C (130F) ACT: -15C APT ISA: +14.75C DELTA ISA LOW: -29.75C CRITICAL LOW TEMP BASED ON EFFECTIVE GPA DESCENT RATE: STANDARD TEMP 709; HIGH TEMP 1121 TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR  ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM  SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KEMV 127, KASJ 67 RA = 72.3.  TAA NOT DEVELOPED PER ATC. CURRENT CRITERIA DOES NOT REQUIRE FEEDER ROUTES FOR RNAV (GPS) APPROACHES. AIRCRAFT CAN NAVIGATE DIRECT TO THE IAF.  100' VEGETATION HEIGHT PER FPT.  INTERMEDIATE SEGMENT (JUSPO-IQJAZ) CONTROLLING OBSTACLE LOCATIONS DIFFER. THE PRIMARY CONTROLLING OBSTACLE IS 337' AAO AND 137' TERRAIN 363057.00N/0772312.00W. THE SECONDARY CONTROLLING OBSTACLE IS 337' AAO AND 137' TERRAIN.  LPV ASC, HAT RAISED TO 250 FT DUE TO NPI RUNWAY MARKINGS, HAT AND VISIBILITY LIMITED TO 1 SM PER AC150/5300-13A, TBL 3-4.  CAT C/D STRAIGHT-IN AND CAT D CIRCLING MINIMUMS NOT PUBLISHED DUE TO CAT C/D AIRCRAFT EXCEEDING OPERATIONAL CAPABILITY OF AC 150/5300-13A APPROACH REFERENCE CODES. AIRPORT DESIGNED FOR CAT B/GROUP II AIRCRAFT ONLY. RAPT APPROVAL ALLOWS PROCEDURE DESIGNED FOR CAT A/B STRAIGHT-IN AND CAT C CIRCLING MINIMUMS.  FOR CONTINGENCY NOTAM ACTION: WHEN LOCAL WEATHER NOT AVAILABLE BARO-VNAV AND VDP NA WHEN USING AHOSKIE ALTIMETER SETTING. WHEN LOCAL ALTIMETER NOT RECEIVED, USE AHOSKIE ALTIMETER SETTING: INCREASE ALL DA TO 445 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDA TO 560 FEET; INCREASE CIRCLING CAT C VISIBILITY 1/4 SM.			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
LEESBURG FSS ZDC ARTCC				N W S	OTHER: AWOS-3		SOURCE:KEMV / KASJ						
				F A A			DISTANCE: 0 / 27.80						
				A / C			HOURS REMOTE OPERATION: 0/YES / 24/YES						
SATISFACTORY ON:			X	V H F	X	U H F		H F	LOCATION: KEMV		ADJUSTMENT: 0 / 73		
4. MONITOR STATUS	PRIMARY NAVAID:												
	MONITOR POINT:												
	HRS	OPTN:	CAT 1		CAT 3								
5. APPROACH & RUNWAY LIGHTING		ALS											
		(S) SALS											
		MALS											
		HIRL											
	X	MIRL 16 (PCL), 34 (PCL)											
	X	REIL 16 (PCL), 34 (PCL)											
		TDZ											
		C/LINE											
	X	OTHER (SPECIFY) PAPI-2L 16 (PCL), 34 (PCL)											
6. RUNWAY MARKINGS		BASIC											
		ALL WEATHER											
		INSTRUMENT NPI-F 16, 34											
7. RUNWAY VISUAL RANGE		APPROACH											
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE: 3.00					ELEV RWY THRESHOLD:109.9						
		DISTANCE FROM RWY:					ELEV GP ANTENNA:						
							THRESHOLD CROSSING HEIGHT:42.5						
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD					FT. FROM THRESHOLD				
			X	ON CENTERLINE					FT. FROM CENTERLINE				
10. WAIVERS: NONE													
PART D - PREPARED BY: DANIEL D. OLSON (JASON KRETSCHMER)								DATE: 03/13/2017					
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5423					

