

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
USOCO (IAF)	VAJEG (NOPT) (FB)	124.86 / 7.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW21	
JISIN (IAF)	VAJEG (NOPT) (FB)	305.01 / 7.00	3000		
VAJEG (IF/IAF)	KUDWE (FB)	214.93 / 6.91	2700		
KUDWE (FAF)	WOSAS/1.60 NM TO RW21 (FB)	214.87 / 3.44		CLIMB TO 3000 DIRECT IDJOP AND HOLD.	
WOSAS/1.60 NM TO RW21	RW21 (MAP) (FO)	214.87 / 1.60			
RW21 (MAP)	1293 MSL	214.87			
1293 MSL	IDJOP (FO)		3000	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 034.72 INBOUND. CHART FAS OBST: 1141 TREE 385827N/0953903W DISTANCE TO THLD FROM 250 HATH: 0.62 NM. CHART VDP AT 1.08 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 42834 REFERENCE PATH ID: W21A CHART CIRCLING ICON CHART THRE 1043.0 LTP HAE: 286.6 M	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE VAJEG, RT, 214.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 214.87 FAF: KUDWE DIST FAF TO MAP: 5.04 THLD: 5.04
4. MIN. ALT: VAJEG 3000, KUDWE 2700, WOSAS/1.60 NM TO RW21 1600*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2700 GS ALT AT: KUDWE 2700 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5E EPOCH YEAR: 1990

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	1307	1	264	1307	1	264	1307	1	264	1307	1	264			
LNAV/VNAV DA	1293	3/4	250	1293	3/4	250	1293	3/4	250	1293	3/4	250			
LNAV MDA	1440	1	397	1440	1	397	1440	1 1/8	397	1440	1 1/8	397			
CIRCLING	1520	1	442	1580	1	502	1580	1 1/2	502	1700	2	622			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILIP BILLARD MUNI ALTIMETER SETTING AND INCREASE ALL DA 45 FEET AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY (SEE FORM 8260-10)

QUALITY
1
CHECKED

CITY AND STATE TOPEKA, KS		ELEVATION: 1078 THRE: 1043 AIRPORT NAME: FORBES FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 19 SEPTEMBER 2013		SUP: AMDT: ORIG DATED 07/02/2009	
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NOTES, (CONT.):

TO 1 MILE AND INCREASE LNAV CAT C/D VISIBILITY AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING PHILIP BILLARD MUNI ALTIMETER SETTING.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	125/30 CW 305/30 (NOPT)	125/17 CW 305/17	3100
2.	125/17 CW 305/17	VAJEG (IF/IAF) (FB)	3000
3.	305/30 CW 035/30	JISIN (IAF) (FB)	3100
4.	035/30 CW 125/30	035/11 CW 125/11	3600
5.	035/11 CW 125/11	USOCO (IAF) (FB)	3100

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFOE
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	385718.5230N
LTP/FTP LONGITUDE	0953926.5485W
LTP/FTP ELLIPSOIDAL HEIGHT	+02866
FPAP LATITUDE	385610.0280N
FPAP LONGITUDE	0954039.6895W
THRESHOLD CROSSING HEIGHT (TCH)	00051.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A5861270

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03179
FPAP ORTHOMETRIC HEIGHT	+03179

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFOEK3FR21	AJISIN	010JISINK3EA0E	A	IF					18000		A	JS
SUSAP	KFOEK3FR21	AJISIN	020VAJEGK3EA0EE	B	010TF		30500070	+	03000			A	JS
SUSAP	KFOEK3FR21	AUSOCO	010USOCOK3EA0E	A	IF					18000		A	JS
SUSAP	KFOEK3FR21	AUSOCO	020VAJEGK3EA0EE	B	010TF		12490070	+	03000			A	JS
SUSAP	KFOEK3FR21	AVAJEG	010VAJEGK3EA0EE	AR	HF		21490040	+	03000	18000		A	JS
SUSAP	KFOEK3FR21	R	010VAJEGK3EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KFOEK3FR21	R	020KUDWEK3EA1E	F	051TF		21490069	+	02700			A	JS
SUSAP	KFOEK3FR21	R	020KUDWEK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFOEK3FR21	R	021WOSASK3EA0E	S	031TF		21490034	V	0160001604		-300	A	JS
SUSAP	KFOEK3FR21	R	030RW21 K3PGOGY	M	031TF		21490016		01094		-300	A	JS
SUSAP	KFOEK3FR21	R	040	0	M	CA	2149	+	01293			A	JS
SUSAP	KFOEK3FR21	R	050IDJOPK3EA0EY		DF			+	03000			A	JS
SUSAP	KFOEK3FR21	R	060IDJOPK3EA0EE	R	HM		03470040	+	03000			A	JS

[illegible][illegible]

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JISIN	JISIN	010	IAF	IF		FB					
	JISIN	VAJEG	020		TF		FB	1.0	305.0 (310.0T)	007.0	AA 03000	
	USOCO	USOCO	010	IAF	IF		FB					
	USOCO	VAJEG	020		TF		FB	1.0	124.9 (129.9T)	007.0	AA 03000	
	VAJEG	VAJEG	010	IAF	HF	R	FO		214.9 (219.9T)	004.0	AA 03000	
		VAJEG	010	FACF	IF		FB				AA 03000	
		KUDWE	020	FAF	TF		FB	0.5	214.9 (219.9T)	006.9	AA 02700	
		WOSAS	021	SDF	TF		FB	0.3	214.9 (219.9T)	003.4	AA 01600	GS 01604
		RW21	030	MAP	TF		FO	0.3	214.9 (219.9T)	001.6	AT 01094	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.9 (219.9T)		AA 01293	
	IDJOP	050		DF		FO				AA 03000	
	IDJOP	060		HM	R	FO		034.7 (039.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IDJOP	N384713.74	W0955010.51	N3847.229	W09550.175
	JISIN	N390159.19	W0952243.25	N3901.987	W09522.721
	KUDWE	N390110.97	W0953517.94	N3901.183	W09535.299
	USOCO	N391058.88	W0953630.73	N3910.981	W09536.512
	VAJEG	N390629.24	W0952936.55	N3906.487	W09529.609
	WOSAS	N385832.31	W0953807.70	N3858.539	W09538.128
	RW21	N385718.52	W0953926.55	N3857.309	W09539.443

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01043	51

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