

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		
DNV VORTAC	COSMA (FB)	038.50 / 8.50	2600	LPV: DA LNAV/VNAV: DA LNAV: RW21	
VAGES (IAF)	COSMA (NOPT) (FB)	250.01 / 10.33	2600	CLIMB TO 2300 DIRECT ATULE AND HOLD.	
WEARS (IAF)	COSMA (NOPT) (FB)	141.26 / 12.79	2600		
COSMA (IF/IAF)	WEBAG (FB)	210.29 / 7.87	2600		
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 030.12 INBOUND. CHART FAS OBST: 796 TREE 401313N/0873508W CHART FAS OBST: 803 ELEVATOR AUGER 401617N/0873236W CHART 809 ANTENNA 401654N/0873055W. CHART VDP AT 1.06 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 58004 REFERENCE PATH ID: W21A DISTANCE TO THLD FROM 293 HAT: 0.78 NM	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE COSMA, RT, 210.29 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 210.24 FAF: WEBAG DIST FAF TO MAP: 5.74 THLD: 5.74 4. MIN. ALT: COSMA 2600, WEBAG 2600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: WEBAG OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.9 34:1 IS CLEAR 8. MSA FROM: RW21 3000					
				MAG VAR: 1W EPOCH YEAR: 1985	

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	990	1/2	293	990	1/2	293	990	1/2	293	990	1/2	293			
LNAV/VNAV DA	1069	3/4	372	1069	3/4	372	1069	3/4	372	1069	3/4	372			
LNAV MDA	1080	1/2	383	1080	1/2	383	1080	1/2	383	1080	1	383			
CIRCLING	1120	1	423	1160	1	463	1160	1 1/2	463	1260	2	563			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE AND LNAV CAT D VISIBILITY TO 1 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE UNIVERSITY OF ILLINOIS-WILLARD ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FT.

SEE 8260-10

CITY AND STATE DANVILLE, IL	ELEVATION: 697 TDZE: 697 AIRPORT NAME: VERMILION COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 21, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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NOTES CONT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING UNIVERSITY OF ILLINOIS-WILLARD ALTIMETER SETTING.

CITY AND STATE

DANVILLE, IL

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FACILITY
IDENTIFIER:

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDNV
RUNWAY RW21
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W21A
LTP/FTP LATITUDE 401229.3800N
LTP/FTP LONGITUDE 0873520.9200W
LTP/FTP ELLIPSOIDAL HEIGHT +01797
FPAP LATITUDE 401137.3600N
FPAP LONGITUDE 0873558.8300W
THRESHOLD CROSSING HEIGHT (TCH) 00045.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

180E23F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02124
FPAP ORTHOMETRIC HEIGHT +02124

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[illegible]

SUP:	
AMDT:	NONE
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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KDNVK5PR21	RW21	001	0000W21A0N4012293800W08735209200+017970300N4011373600W08735588300106750008000459F400500180E23F2									
	SUSAP KDNVK5PR21	RW21	002	+02124+02124W21A	58004	000							

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KDNVK5SRW21	K5PG	0	25180030			M						

CITY AND STATE DANVILLE, IL	ELEVATION: 697 TDZE: 697 AIRPORT NAME: VERMILION COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 21, ORIG AUG 30 2007	SUP:
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DNV	DNV	010		IF		FB				
	DNV	COSMA	020	IAF	TF		FB	2.0	038.5 (038T)	008.5	02600
	DNV	COSMA	030		HF	R	FB		210.3 (209T)	005.0	02600
	VAGES	VAGES	010	IAF	IF		FB				
	VAGES	COSMA	020		TF		FB	1.0	250.0 (249T)	010.3	02600
	WEARS	WEARS	010	IAF	IF		FB				
	WEARS	COSMA	020		TF		FB	1.0	141.3 (140T)	012.8	02600
		COSMA	010	FACF	IF		FB				02600
		WEBAG	020	FAF	TF		FB	0.5	210.3 (209T)	007.9	02600
		RW21	030	MAP	TF		FO	0.3	210.2 (209T)	005.7	00743

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ATULE	040		DF		FO	1.0			02300
	ATULE	050		HM	R	FO	2.0	030.1 (029T)	005.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNV	N401737.63	W0873325.87	N4017.627	W08733.431
	ATULE	N400212.88	W0874248.95	N4002.215	W08742.816
	COSMA	N402422.13	W0872639.60	N4024.369	W08726.660
	VAGES	N402805.03	W0871402.05	N4028.084	W08714.034
	WEARS	N403413.23	W0873721.89	N4034.221	W08737.365
	WEBAG	N401729.97	W0873141.50	N4017.500	W08731.692
	RW21	N401229.38	W0873520.92	N4012.490	W08735.349

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW21	00697	53

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