

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: RW29
UDALE (IF/IAF)	WAPSA (FB)	285.07 / 7.00	2800	CLIMB TO 3000 DIRECT REBUE AND HOLD.
WAPSA (FAF)	RW29 (MAP) (FO)	284.96 / 4.94		
RW29 (MAP)	1383 MSL	284.96		
1383 MSL	REBUE (FO)		3000	

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 104.68 INBOUND.
CHART FAS OBST: 1470 TOWER 452205N/0944202W
DISTANCE TO THLD FROM 200 HATH: 0.49 NM.
CHART VDP AT 1.55 MILES TO RW29*
*LNAV ONLY.
WAAS CHANNEL # 65633
REFERENCE PATH ID: W29A
LTP HAE: 333.7 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E UDAL, RT, 285.07 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 284.96 FAF: WAPSA DIST FAF TO MAP: 4.94 THLD: 4.94
- MIN. ALT: UDAL 3000, WAPSA 2800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: WAPSA 2800 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1E

EPOCH YEAR: 2015

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	1383	3/4	200	1383	3/4	200	1383	3/4	200		NA				
LNAV/VNAV DA	1810	2 1/4	627	1810	2 1/4	627	1810	2 1/4	627		NA				
LNAV MDA	1720	1	537	1720	1	537	1720	1 1/2	537		NA				
CIRCLING	1720	1	537	1720	1	537	1780	1 1/2	597		NA				

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LITCHFIELD ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

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

(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE PAYNESVILLE, MN	ELEVATION: 1183 THRE: 1183 AIRPORT NAME: PAYNESVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 25 JULY 2013	SUP: AMDT: ORIG DATED 03/10/2011
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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITCHFIELD ALTIMETER SETTING AND INCREASE ALL DA 51 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	195/30 CW 015/30 (NOPT)	UDALE (IF/IAF) (FB)	3000
2.	015/30 CW 195/30	UDALE (IF/IAF) (FO)	3300

QUALITY
9
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CITY AND STATE

PAYNESVILLE, MN

ELEVATION: 1183

THRE: 1183

AIRPORT NAME:

PAYNESVILLE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 1

25 JULY 2013

SUP:

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DATED: 03/10/2011

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPEX
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	452214.9655N
LTP/FTP LONGITUDE	0944418.7700W
LTP/FTP ELLIPSOIDAL HEIGHT	+03337
FPAP LATITUDE	452239.3300N
FPAP LONGITUDE	0944620.3500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

BB58A4EE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03605
FPAP ORTHOMETRIC HEIGHT	+03605

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CITY AND STATE
PAYNESVILLE, MN

ELEVATION: 1183 THRE: 1183
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PAYNESVILLE MUNI

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 1
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPEXK3FR29	AUDALE	010UDALEK3EA0EE	AR	HF			28510040	+	03000	18000		A	JS
SUSAP KPEXK3FR29	R	010UDALEK3EA0E	I	IF				+	03000	18000		A	JS
SUSAP KPEXK3FR29	R	020WAPSAK3EA1E	F	051TF			28510070	+	02800			A	JS
SUSAP KPEXK3FR29	R	020WAPSAK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KPEXK3FR29	R	030RW29 K3PG0GY	M	031TF			28500049		01228	-300		A	JS
SUSAP KPEXK3FR29	R	040	0	M	CA		2850	+	01383			A	JS
SUSAP KPEXK3FR29	R	050REBUEK3EA0EY		DF				+	03000			A	JS
SUSAP KPEXK3FR29	R	060REBUEK3EA0EE	R	HM			10470040	+	03000			A	JS

[illegible][illegible]

QUALITY
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CITY AND STATE
PAYNESVILLE, MN

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**FACILITY
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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
	UDALE	UDALE	010	IAF	HF	R	FO		285.1 (286.1T)	004.0	AA 03000	
		UDALE	010	FACF	IF		FB				AA 03000	
		WAPSA	020	FAF	TF		FB	0.5	285.1 (286.1T)	007.0	AA 02800	
		RW29	030	MAP	TF		FO	0.3	285.0 (286.0T)	004.9	AT 01228	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		285.0 (286.0T)		AA 01383	
	REBUE	050		DF		FO				AA 03000	
	REBUE	060		HM	R	FO		104.7 (105.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	REBUE	N452538.60	W0950121.71	N4525.643	W09501.362
	UDALE	N451857.82	W0942802.28	N4518.964	W09428.038
	WAPSA	N452053.73	W0943734.75	N4520.896	W09437.579
	RW29	N452214.97	W0944418.77	N4522.250	W09444.313

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	01183	45

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	AIRPORT NAME:			RNAV (GPS) RWY 29, AMDT 1	AMDT: ORIG
	PAYNESVILLE MUNI	RNAV		25 JULY 2013	DATED: 03/10/2011