

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> WALES	<u>AIRPORT ID</u> PAIW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WALES	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 26	<u>TDZE</u> 26	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 8E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
COGNU	IF/IAF	COLEG		TF	FB	1.00	206.26	7.45	1700
COLEG	FAF	SADLY/2.16 NM TO DIDGE		TF	FB	0.30	200.49	2.21	
SADLY/2.16 NM TO DIDGE		DIDGE	MAP	TF	FO	0.30	200.49	2.16	
DIDGE	MAP	500 MSL		CA			200.49		500
500 MSL		COGNU		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LP: DIDGE
 LNAV: DIDGE

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2600 DIRECT COGNU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE COGNU, RT, 206.26 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 200.49 **FAF:** COLEG **DIST FAF TO MAP:** 4.37 **DIST FAF TO THLD:** 5.18
- MIN ALT:** COGNU 2600, COLEG 1700, SADLY/2.16 NM TO DIDGE 1000
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:**
- MSA FROM:** DIDGE 4100



PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 18-36.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART: NOME/TIN CITY RADIO.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 19.92 DEGREES.
CHART CIRCLING ICON.
COLEG TO RW18: 3.00/30.
FICTITIOUS THRESHOLD POINT (CFNQD) DO NOT CHART.
WAAS CHANNEL #57942
REFERENCE PATH ID: W18A
CHART FAS OBST: 67 TREE 653951N/1680353W, 73 TREE 653915N/1680531W.
FAC CROSSES RWY C/L EXTENDED 5200 FT FROM THLD.
FTP HAE: 9.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	340	1	314	340	1	314	340	1	314	340	1	314			
LNAV MDA	640	1	614	640	1	614	640	1 3/4	614	640	1 3/4	614			
CIRCLING	640	1	614	640	1	614	640	1 3/4	614	640	2	614			



CHANGES - REASONS

- TERMINAL ROUTE: REMOVED FEEDER ROUTE FROM TNC NDB.
- TERMINAL ROUTE: INTERMEDIATE CHANGED FROM FAVSO TO COLEG TO COGNU TO COLEG. ATTACH IAP TO ENROUTE STRUCTURE.
- TERMINAL ROUTE: ADDED STEPDOWN "SADLY/2.16 TO DIDGE". TO ATTAIN LOWEST MINIMUMS. APPLIED AAO TO FINAL.
- TERMINAL ROUTE: ADDED 500 MSL CA LEG FOR TURNING MISSED APPROACH. IAW 8260.58 3-5-2.
- MISSED APPROACH: ADDED LP MAP DIDGE. - ADDED LP LINE OF MINIMA PER FPT REQUEST.
- MISSED APPROACH: INSTRUCTION CHANGED FROM CLIMBING RIGHT TURN TO 2600 DIRECT FAVSO AND HOLD, TO CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2600 DIRECT COGNU AND HOLD. - NEW MISSED FOR NEW FINAL ALIGNMENT.
- PROFILE: HIL INBOUND COURSE CHANGED FROM 176.53 TO 206.26. - HIL CHANGED FROM FAVSO TO COGNU
- PROFILE: FAC CHANGED FROM 176.53 TO 200.49. 20 DEGREE OFFSET USED TO CLEAR MOUNTAIN RANGE SOUTH OF THE AIRPORT.
- PROFILE: FAF COLEG CHANGED FROM 4.29 DIST TO MAP, 5.16 DIST TO THLD TO 4.37 DIST TO MAP, 5.18 DIST TO THLD. - NEW FINAL APPROACH DESIGN.
- PROFILE: ADDED 20:1 IS CLEAR. - IAW 8260.19 8-6-7.
- ADDED PBN NAVSPEC REQUIREMENT NOTE: RNP APCH. - IAW 8260.19 CH 8
- NOTES: ADDED CIRCLING NA E OF RWY 18-36. - CARRIED OVER FROM PREVIOUS AMENDMENT.
- NOTES: REMOVED CHART NOTE: DME/DME RNP-0.3 NA, CHART NOTE: WHEN TIN CITY ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. NOT LONGER NEEDED. ADDED BACK UP ALTIMETER SETTING TO BACK OF 8260-9. LOCAL ALTIMETER ADDED TO AIRPORT.
- ADDITIONAL FLIGHT DATA: ADDED WAAS CHANNEL #57942, REFERENCE PATH ID: W18A. - LP MINIMA ADDED.
- ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON. - ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
- ADDITIONAL FLIGHT DATA: CHART FAS OBST: 74 50' TREE 654125N/1680423W CHANGED TO 67 TREE 653951N/1680353W, 73 TREE 653915N/1680531W. - NEW TREES PLANTED.
- ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - BUILT WITH MINIMUM TCH ALLOWED 30FT.
- ADDITIONAL FLIGHT DATA: ADDED LTP HAE: 9.5 M. - LP MINIMA ADDED.
- ADDITIONAL FLIGHT DATA: ADDED TIN CITY RADIO FREQUENCY. - PER FPT AND PREVIOUS FC COMMENT.
- MINIMUMS: ADDED STANDARD ALTERNATE MINIMUMS. - LOCAL WEATHER NOW AVAILABLE.
- LNAV/CIRC MINIMUMS CHANGED FROM 580/554 TO 640/614. - NEW MISSED APPROACH PENETRATION TREE.
- LNAV/CIRC CAT C VIS CHANGED FROM 1 5/8 TO 1 3/4. - 8260.3 CH3 VISI TABLE.

- PDF EDITS:
- REMOVE LP MISSED PENETRATOR ON -9 IN THE MISSED APPROACH SEGMENT.
 - MOVE 73 FT TREE TO CHART FAS OBS LINE.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: AAL, ZAN ARTCC

FLIGHT CHECKED BY

THOMAS CONKLIN

Digitally signed by

DEZ SILAGYI

Sep 04, 2018

OFFICE

FICO

DATE

8/29/18

DEVELOPED BY

LEO PALMER

Digitally signed by

LEO PALMER

May 22, 2018

OFFICE

AJV-5423

DATE

03/15/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

DEZ SILAGYI

Sep 04, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAIW
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	653748.9420N
LTP/FTP LONGITUDE	1680611.9600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00095
FPAP LATITUDE	653630.8245N
FPAP LONGITUDE	1680754.1095W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	E0CFB8D5
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00068
FPAP ORTHOMETRIC HEIGHT	+00068

