

**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.

<b><u>AIRPORT</u></b> WALES	<b><u>AIRPORT ID</u></b> PAIW	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 36	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>CITY</u></b> WALES	<b><u>STATE</u></b> AK
<b><u>AIRPORT ELEVATION</u></b> 26	<b><u>TDZE</u></b> 26	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 36	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG-B	<b><u>DATED</u></b> 12/10/2015	<b><u>MAG VAR</u></b> 8E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 8 NOVEMBER 2018	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2020

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
TNC NDB/DME		HOSLO		TF	FO	2.00	208.35	10.93	3200
ATAYI	IAF	HOSLO	NOPT	TF	FB	1.00	284.15	29.72	2900
HOSLO	IF/IAF	FOROD		TF	FB	1.00	350.55	6.49	2000
FOROD	FAF	ZUKES	MAP	TF	FO	0.30	015.34	5.64	
ZUKES	MAP	426 MSL		CA			015.34		
426 MSL		COGNU		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LP: ZUKES  
 LNAV: ZUKES

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3000 DIRECT COGNU AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD S HOSLO, RT, 350.55 INBOUND, 2900 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 015.34FAF: FORODDIST FAF TO MAP: 5.64DIST FAF TO THLD: 6.12
4. MIN ALT: HOSLO 2900, FOROD 2000
5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:MM:IM:
6. MIN GP INCPT:GP ALT AT FAF :OM:
7. GP ANGLE:34:1: IS CLEAR20:1: IS CLEARTCH:
8. MSA FROM: ZUKES 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 14.93 DEGREES  
CHART CIRCLING ICON.  
FOROD TO RW36: 3.00/30.  
FICTITIOUS THRESHOLD POINT (CFNMN) DO NOT CHART.  
CHART VDP AT 1.29 NM TO ZUKES  
WAAS CHANNEL #60943  
REFERENCE PATH ID: W36A  
CHART FAS OBST: 850 TREE 653544N/1680431W, 200 SHIP 653309N/1680931W.  
FAC CROSSES RWY C/L EXTENDED 3003 FT FROM THLD.  
HOLD N, RT, 197.00 INBOUND  
FTP HAE: 9.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3

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	460	1	434	460	1	434	460	1 1/4	434	460	1 1/4	434			
LNAV MDA	920	1 1/4	894	920	1 1/4	894	920	2 1/2	894	920	2 1/2	894			
CIRCLING	920	1 1/4	894	920	1 1/4	894	920	2 3/4	894	920	3	894			



**CHANGES - REASONS**

## TERMINAL ROUTES:

- TNC NDB TO HIRKU 217.36 / 11.85 4300 CHANGED TO TNC NDB/DME TO HOSLO 208.35 / 10.93 3200. - PER FPT REQUEST, TNC DME ADDED WITH NEW AIRNAV DATA.
- ADDED INITIAL: ATAYI (IAF) TO HOSLO (NOPT) 284.15 / 29.72 2900. - PER FPT REQUEST.
- HIRKU (IF/IAF) TO FOROD (RNP 0.50) 011.33 / 6.00 2000 CHANGED TO HOSLO (IF/IAF) TO FOROD (RNP 1.00) 350.55/6.49 2000. NEW IF FIX LOCATION PER FPT.
- FOROD TO ZUKES COURSE CHANGED FROM 011.34 TO 15.34. - MAGVAR CHANGED FROM 12E/05 TO 8E/20.
- MISSED APPROACH FIXED CHANGED FROM HIRKU TO COGNU. - PER FPT REQUEST.

## PROFILE:

- HOLD IN LIEU CHANGED FROM HIRKU 11.33 INBOUND TO HOSLO 350.55 INBOUND. - ALIGN WITH INTERMEDIATE COURSE.
- FAC CHANGED FROM 011.34 TO 015.34. - MAGVAR UPDATE.
- MIN ALT CHANGED FROM HIRKU TO HOSLO. - NEW IF FIX LOCATION.
- ADDED 20:1 IS CLEAR. - IAW 8260.19 8-6-7.

## MISSED APPROACH:

- ADDED LP: ZUKES. - ADDED LP LINE OF MIN PER FPT.
- CLIMBING LEFT TURN TO 2900 DIRECT HIRKU AND HOLD CHANGED TO CLIMBING RIGHT TURN TO 3000 DIRECT COGNU AND HOLD. - PER FPT REQUEST.

## ADDITIONAL FLIGHT DATA:

- ADDED NEW MISSED HOLDING.
- ADDED FOROD TO RW36: 3.00/30
- CHART FAS OBST CHANGED FROM CHART FAS OBST: 1199 50' TREE 653546N/1680353W, TO 850 TREE 653544N/1680431W, . - NEW CONTROLLING OBS.
- ADDED CHART FAS OBST 200 SHIP 653309N/1680931W. - ADDED LP LINE OF MIN.
- ADDED VDP AT 1.29 NM TO ZUKES. - LOWERED MDA'S.
- ADDED WAAS CHANNEL # 60943, REFERENCE PATH ID: W36A. - ADDED LP LINES OF MINS.
- ADDED CHART CIRCLING ICON. - ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
- FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD CHANGED TO FAC CROSSES RWY C/L EXTENDED 3003 FT FROM THLD. IPDS DERIVED FIGURE.

## MINIMUMS:

- ADDED LP LINE OF MINIMA.
- LNAV MINS CHANGED FROM CAT A: 1540/1 1/4/1518 CAT B: 1540/1 1/2/1518 CAT C: 1540/3/1518 TO CAT A/B: 920/1 1/4/894, CAT C 920/2 1/2/894. ADDED CAT D: 920/2 1/2/894.
- CIRCLING MINIMUMS CHANGED FROM CAT A: 1540/1 1/4/1518, CAT B: 1540/1 1/2/1518, CAT C: 1540/3/1518 TO CAT A/B: 920/1 1/4/894, CAT C, 920/2 3/4/894 . ADDED CAT D: 920/3/894.
- ADDED ALTERNATE MINIMUMS CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3. - LOCAL AWOS ADDED.

## NOTES:

- REMOVED CHART NOTE: DME/DME RNP-0.3 NA, USE TIN CITY ALTIMETER SETTING; IF NOT RECEIVED, PROCEDURE NA. - NO LONGER NEEDED.
- ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - IAW 8260.19 CH 8.
- ADDED FICTITIOUS THRESHOLD POINT (CFNMN) DO NOT CHART. - FTP FOR FAS DATA.
- CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.93 DEGREES. - NEEDED FOR OBSTACLE MITIGATION.
- DIST FAF TO MAP CHANGED FROM 5.52 TO 5.64, DIST FAF TO THLD CHANGED FROM 6.00 TO 6.12. NEW PFAF LOCATION.

## PDF EDITS:

- REMOVE LP MISSED APPROACH PENETRATOR.
- REMOVE "STANDARD" FROM ALT MINS.
- MOVE 850 TREE TO CHART FAS OBST 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 14, 2018

OFFICE

AJV-5423

DATE

03/07/2018

APPROVED BY

JULIE MORGAN

*Digitally signed by*  
**DEZ SILAGYI**  
Sep 04, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAIW
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	653658.7860N
LTP/FTP LONGITUDE	1680531.9670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00091
FPAP LATITUDE	653820.2550N
FPAP LONGITUDE	1680406.4805W
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	0479E898
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00064
FPAP ORTHOMETRIC HEIGHT	+00064

