

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> HAZLETON RGNL	<u>AIRPORT ID</u> KHZL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> HAZLETON	<u>STATE</u> PA
<u>AIRPORT ELEVATION</u> 1603	<u>TDZE</u> 1603	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 10W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 APRIL 2019	<u>REQUIRED EFFECTIVE DATE</u> 04/25/2019	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1980

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 014/30 CW 194/30	NOPT	014/15 CW 194/15		5000
2. 014/15 CW 194/15		ECEDI	IF/IAF	4400
3. 194/30 CW 014/30		194/15 CW 014/15		5000
4. 194/15 CW 014/15		ECEDI	IAF	4400

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>
ECEDI	IF/IAF	HOGUL		TF	FB	1.00	103.94	7.03	3500
HOGUL	FAF	IWTOJ/2.99 NM TO RW10		TF	FB	0.30	104.03	2.83	
IWTOJ/2.99 NM TO RW10		RW10	MAP	TF	FO	0.30	104.03	2.99	
RW10	MAP	2003 MSL		CA			104.03		
2003 MSL		YOLBU		DF	FO	1.00			4600

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4600 DIRECT YOLBU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W ECEDI, RT, 103.94 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 104.03 FAF: HOGUL DIST FAF TO MAP: 5.81 DIST FAF TO THLD: 5.81

4. MIN ALT: ECEDI 4400, HOGUL 3500, IWTOJ/2.99 NM TO RW10 2600*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 456 HAT: 1.28 GS ANT: MM: IM:

6. MIN GP INCPT: 3500 GP ALT AT FAF : HOGUL 3500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 56.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.35 NM TO RW10*
*LNAV ONLY
WAAS CHANNEL #86240
REFERENCE PATH ID: W10A
CHART FAS OBST: 1819 TREE 405939N/0760041W.
HOLD E, RT, 284.31 INBOUND
LTP HAE: 453 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3

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
LPV DA	2059	1 3/8	456	2059	1 3/8	456	2059	1 3/8	456	2059	1 3/8	456			
LNAV/VNAV DA	2097	1 3/8	494	2097	1 3/8	494	2097	1 3/8	494	2097	1 3/8	494			
LNAV MDA	2080	1	477	2080	1	477	2080	1 3/8	477	2080	1 3/8	477			
CIRCLING	2140	1	537	2400	1	797	2480	2 1/2	877	2520	3	917			



CHANGES - REASONS

1. CHANGED TAA SECTOR FROM 014/30 CW 194/30 TO ECEDI ALTITUDE FROM "4100" TO "5000" AND ADDED STEPDOWN AT 15 NM WITH ALTITUDE OF 4400 - INCREASED ROC OF 2000 APPLIED FOR MOUNTAINOUS TERRAIN.
2. CHANGED TAA SECTOR FROM 194/30 CW 014/30 TO ECEDI ALTITUDE FROM "4100" TO "5000" AND ADDED STEPDOWN AT 15 NM WITH ALTITUDE OF 4400 - INCREASED ROC OF 2000 APPLIED FOR MOUNTAINOUS TERRAIN.
3. CHANGED TERMINAL ROUTE FROM ECEDI TO HOGUL COURSE AND DISTANCE FROM "103.94/7.00" TO "103.94/7.03" - HOGUL FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.00 GP ANGLE.
4. CHANGED TERMINAL ROUTE FROM HOGUL TO IWTOJ FROM "IWTOJ/3.00 NM TO RW10" TO "IWTOJ/2.99 NM TO RW10" AND CHANGED COURSE AND DISTANCE FROM "104.04/2.80" TO "104.03/2.83" - HOGUL AND IWTOJ FIXES MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.00 GP ANGLE.
5. CHANGED TERMINAL ROUTE FROM IWTOJ TO RW10 (MAP) FROM "IWTOJ/3.00 NM TO RW10" TO "IWTOJ/2.99 NM TO RW10" AND CHANGED COURSE AND DISTANCE FROM "104.04/3.0" TO "104.03/2.99" - IWTOJ FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.00 GP ANGLE.
6. CHANGED TERMINAL ROUTE FROM "RW10 (MAP) TO 2003 MSL" TO "R10 (MAP) TO 2003 MSL (CA)" AND CHANGED COURSE FROM "104.04" TO "104.03" - NEW DA ESTABLISHED FROM NEW OBSTACLE EVALUATION AND IWTOJ FIX MOVED DUE TO RWY EXTENSION.
7. CHANGED TERMINAL ROUTE FROM "2003 MSL TO YOLBU" TO "2003 MSL TO YOLBU" AND CHANGED ALTITUDE FROM "4000" TO "4600" - NEW DA ESTABLISHED FROM NEW OBSTACLE EVALUATION AND CLIMB TO ALT INCREASED TO MATCH TAA SECTOR ALT.
8. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT YOLBU AND HOLD" TO "CLIMB TO 4600 DIRECT YOLBU AND HOLD" - CLIMB TO ALT INCREASED TO MATCH TAA SECTOR ALT FOR RNAV (GPS) RWY 28.
9. CHANGED PROFILE LINE 2 ALTITUDE FROM "4100" TO "4400" - HOLDING ALTITUDE INCREASED TO MATCH TAA SECTOR ALT FOR RNAV (GPS) RWY 28.
10. CHANGED LINE 3 FAC FROM "104.04" TO "104.03" AND CHANGED DIST FAF TO MAP AND THLD FROM "5.80" TO "5.81" - HOGUL FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.00 GP ANGLE.
11. CHANGED LINE 4 MIN ALT FROM "ECEDI 4100" TO "ECEDI 4400" AND FROM "IWTOJ/3.0 NM TO RW10 2600*" TO "IWTOJ/2.99 TO RW10 2600*" - ECEDI ALTITUDE RAISED TO MATCH TAA SECTOR ALTITUDE FOR RNAV (GPS) RWY 28; IWTOJ FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.00 GP ANGLE.
12. CHANGED LINE 7 TCH FROM "56.3" TO "56.0" AND ADDED "20:1 IS CLEAR" - NO 20:1 OBSTRUCTIONS EXIST; VGSI INOP.
13. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 1819 TREE 405942N/0760038W" TO "FAS OBST: 1819 TREE 405939N/0760041W" - NEW OBSTACLE EVALUATION.
14. CHANGED ADDITIONAL FLIGHT DATA NOTE DISTANCE TO THLD FROM "461 HAT: 1.29 NM" TO "456 HAT: 1.28" AND MOVED DATA TO PROFILE LINE 5 - NEW PROCEDURE AND OBSTACLE EVALUATION COMPLETED AND DATA MOVED USING NEW .19H FORMS FORMAT.
15. CHANGED ADDITIONAL FLIGHT DATA NOTE CHART VDP AT FROM "1.22 MILES TO RW10*" TO "1.35 NM TO RW10*" - RWY EXTENSION AND NEW GP ANGLE 3.00.
16. CHANGED ADDITIONAL FLIGHT DATA NOTE LTP HAE: FROM "453.7 M" TO "453 M" - RWY EXTENSION AND NEW GP ANGLE 3.00.
17. CHANGED LPV DA MINIMUMS ALL CATS FROM "DA 2064, VISIBILITY 1 1/2 SM, HAT 461" TO "DA 2059, VISIBILITY 1 3/8 SM, HAT 456" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
18. CHANGED LNAV/VNAV DA MINIMUMS ALL CATS FROM "DA 2093, VISIBLTY 1 5/8 SM, HAT 490" TO "DA 2097, VISIBILITY 1 3/8 SM, HAT 494" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
19. CHANGED CIRCLING MINIMUMS CAT B MDA FROM "2380" TO "2400"; CAT B HAA FROM "777" TO "797" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
20. REMOVED "CHART NOTE: DME/DME RNP 0.3 NA" AND ADDED "EQUIPMENT REQUIREMENTS NOTE: RNP APCH" - PER .19H EQUIPMENT REQUIREMENTS NOTES.
21. CHANGED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C - NEW PROCEDURE EVALUATION AND NEW .19H FORMAT.
22. CHANGED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - ADDED RWY PER NEW .19H FORMAT.
23. REMOVED NOTE "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING AND INCREASE ALL DA 146 FT AND ALL MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY 1 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, INCREASE LNAV CATS C/D VISIBILITY 3/8 MILE, AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE" - PER .19H NOT REQUIRED WHEN ASOS NON-FED TRANSMITS TO WMSCR. DATA PLACED ON BACK OF -9 FOR NOTAM CONTINGENCY.
24. REMOVED CHART NOTE "BARO-VNAV AND VDP NA WHEN USING WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING" - PER 8260.19H NOT REQUIRED WHEN ASOS NON-FED TRANSMITS TO WMSCR. DATA PLACED ON BACK OF -9 FOR NOTAM CONTINGENCY.
25. REMOVED NOTE "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT CONINCIDENT. (VGSI ANGLE(ANGLE)/TCH(FEET)" - VGSI EQUIPMENT INOP AND NO DATA AVAILABLE.
26. CHANGED FAS DATA LTP/FTP LATITUDE FROM "405914.1560N" TO "405914.0140N" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
27. CHANGED FAS DATA LTP/FTP LONGITUDE FROM "0760013.4500W" TO "0760010.8495W" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
28. CHANGED FAS DATA LTP/FTP ELLIPSOIDAL HEIGHT FROM "+04537" TO "+04530" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
29. CHANGED FAS DATA FPAP LATITUDE FROM "405907.7340N" TO "405907.5970N" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
30. CHANGED FAS DATA FPAP LONGITUDE FROM "0755816.1035N" TO "0755813.5020N" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
31. CHANGED FAS DATA LENGTH OFFSET FROM "1256" TOP "1288" - RWY EXTENSION AND PROCEDURE UPDATE.
32. CHANGED FAS DATA CRC REMAINDER FROM "654B4D57" TO "F7FB4811" - PROCEDURE AMENDMENT.
33. CHANGED FAS DATA LTP AND FPAP ORTHEMETRIC HEIGHTS FROM "+04863" TO "+04856" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.



COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZNY, AVP APP CON, AIRPORT MANAGER

FLIGHT CHECKED BY

PENDING

DEVELOPED BY

DAVID DANNER (DARREN HOOPER)

APPROVED BY

JULIE MORGAN

Digitally signed by

DAVID DANNER

Feb 11, 2019

Digitally signed by

DAVID DANNER

Feb 11, 2019

Digitally signed by **OFFICE**

DAVID DANNER

Feb 11, 2019

OFFICE

AJV-5421

OFFICE

AJV-5420

DATE

DATE

10/26/2018

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHZL
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	405914.0140N
LTP/FTP LONGITUDE	0760010.8495W
LTP/FTP ELLIPSOIDAL HEIGHT	+04530
FPAP LATITUDE	405907.5970N
FPAP LONGITUDE	0755813.5020W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F7FB4811

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04856
FPAP ORTHOMETRIC HEIGHT	+04856

