

**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 28	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HAZLETON	<u>STATE</u> PA	
<u>AIRPORT ELEVATION</u> 1603	<u>TDZE</u> 1603	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 1980
<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>		

**TAA**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>ALTITUDE</u></b>
1. 194/30 CW 014/30	NOPT	194/10 CW 014/10		5000
2. 194/10 CW 014/10		YOLBU	IF/IAF	4600
3. 014/30 CW 194/30		014/10 CW 194/10		5000
4. 014/10 CW 194/10		YOLBU	IAF	4600

**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>
YOLBU	IF/IAF	JOVKU		TF	FB	1.00	284.31	7.27	3500
JOVKU	FAF	EUMIG/2.45 NM TO RW28		TF	FB	0.30	284.21	3.09	
EUMIG/2.45 NM TO RW28		RW28	MAP	TF	FO	0.30	284.21	2.45	
RW28	MAP	1978 MSL		CA			284.21		
1978 MSL		ECEDI		DF	FO	1.00			4400

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW28

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4400 DIRECT ECEDI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E YOLBU, RT, 284.31 INBOUND, 4600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 284.21      FAF: JOVKU      DIST FAF TO MAP: 5.54      DIST FAF TO THLD: 5.54

4. MIN ALT: YOLBU 4600, JOVKU 3500, EUMIG/2.45 NM TO RW28 2460\*

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      375 HAT: 1.02      GS ANT:

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

7. GP ANGLE: 3.17      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A/B.  
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 1.38 NM TO RW28\*  
\*LNAV ONLY  
WAAS CHANNEL #50140  
REFERENCE PATH ID: W28A  
CHART FAS OBST: 1831 TREE 405925N/0755719W.  
HOLD W, RT, 103.94 INBOUND  
LTP HAE: 453.6 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	1978	1	375	1978	1	375	1978	1	375	1978	1	375			
LNAV/VNAV DA	2143	1 1/4	540	2143	1 1/4	540	2143	1 1/4	540	2143	1 1/4	540			
LNAV MDA	2100	1	497	2100	1	497	2100	1 1/8	497	2100	1 1/8	497			
CIRCLING	2140	1	537	2400	1	797	2480	2 1/2	877	2520	3	917			



**CHANGES - REASONS**

- 1.CHANGED TAA SECTOR FROM 194/30 CW 014/30 TO YOLBU ALTITUDE FROM "4000" TO "5000" AND ADDED 10 NM STEPDOWN SEGMENT AT 4600 FEET - INCREASED ROC OF 2000 APPLIED FOR MOUNTAINOUS TERRAIN AND TO AVOID CLIMB IN HOLD FOR OPPOSITE END MISEED APPROACH HOLDING.
- 2.CHANGED TAA SECTOR FROM 014/30 CW 194/30 TO YOLBU ALTITUDE FROM "4000" TO "5000" AND ADDED 10 NM STEPDOWN SEGMENT AT 4600 FEET - INCREASED ROC OF 2000 APPLIED FOR MOUNTAINOUS TERRAIN AND TO AVOID CLIMB IN HOLD FOR OPPOSITE END MISEED APPROACH HOLDING.
- 3.CHANGED TERMINAL ROUTE FROM YOLBU TO JOVKU COURSE AND DISTANCE FROM "284.31/6.95" TO "284.31/7.27" - JOVKU FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.17 GP ANGLE.
- 4.CHANGED TERMINAL ROUTE FROM JOVKU TO EUMIG FROM "EUMIG/3.00 NM TO RWY 28" TO "EUMIG/2.45 NM TO RWY 28" AND CHANGED COURSE AND DISTANCE FROM "284.21/2.86" TO "284.21/3.09" - JOVKU AND EUMIG FIXES MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.17 GP ANGLE.
- 5.CHANGED TERMINAL ROUTE FROM EUMIG TO RW28 (MAP) FROM "EUMIG/3.00 NM TO RW28" TO "EUMIG/2.45 NM TO RW28" AND CHANGED COURSE AND DISTANCE FROM "284.21/3.0" TO "284.21/2.45" - EUMIG FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.17 GP ANGLE.
- 6.CHANGED TERMINAL ROUTE FROM "RW28 (MAP) TO 1965 MSL" TO "R28 (MAP) TO 1978 MSL (CA)" - NEW DA ESTABLISHED FROM NEW OBSTACLE EVALUATION.
- 7.CHANGED TERMINAL ROUTE FROM "1965 MSL TO ECEDI" TO "1978 MSL TO ECEDI" AND CHANGED ALTITUDE FROM "4100" TO "4400" - 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 4100 DIRECT ECEDI AND HOLD" TO "CLIMB TO 4400 DIRECT ECEDI AND HOLD" - CLIMB TO ALT INCREASED TO MATCH TAA SECTOR ALT.
9. CHANGED PROFILE LINE 2 ALTITUDE FROM "4000" TO "4600" - HOLDING ALTITUDE INCREASED TO MATCH TAA SECTOR ALT.
10. CHANGED LINE 3 DIST FAF TO MAP AND THLD FROM "5.86" TO "5.54" - JOVKU FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.17 GP ANGLE.
11. CHANGED LINE 4 MIN ALT FROM "YOLBU 4000" TO "YOLBU 4600" AND FROM "EUMIG/3.0 NM TO RW28 2580'" TO "EUMIG/2.45 TO RW28 2460'" - YOLBU ALTITUDE RAISED TO MATCH TAA SECTOR ALTITUDE; EUMIG FIX MOVED DUE TO RWY EXTENTION AND OPTIMUM ALIGNMENT TO NEW 3.17 GP ANGLE.
12. CHANGED LINE 7 FROM "GS ANGLE: 3.00" TO "GS ANGLE 3.17" AND ADDED "20:1 IS CLEAR" - CHANGED GP ANGLE TO MATCH VGSI AND NO 20:1 OBSTRUCTIONS EXIST.
13. CHANGED ADDITIONAL FLIGHT DATA NOTE CHART FAS OBST: FROM "1939 TREE 405825N/0755604W" TO "CHART 1831 TREE 405925N/0755719W" - NEW OBSTACLE EVALUATION.
14. CHANGED ADDITIONAL FLIGHT DATA NOTE DISTANCE TO THLD FROM "362 HAT: 1.04 NM" TO "375 HAT: 1.02" 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 "1.67 MILES TO RW28'" TO "1.38 NM TO RW28'" - RWY EXTENSION AND NEW GP ANGLE 3.17.
16. CHANGED ADDITIONAL FLIGHT DATA NOTE LTP HAE: FROM "453.7 M" TO 453.6 M" - RWY EXTENSION AND NEW GP ANGLE 3.17.
17. CHANGED LPV DA MINIMUMS ALL CATS FROM "DA 1965, HAT 362" TO "DA 1978, HAT 375" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
18. CHANGED LNAV/VNAV DA MINIMUMS ALL CATS FROM "DA 2141, VISIBLTY 1 5/8 SM, HAT 538" TO "DA 2143, VISIBILITY 1 1/4 SM, HAT 540" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
19. CHANGED LNAV MDA MINIMUMS FROM "CATS A/B MDA 2200, HAT 597; CATS C/D MDA 2200, VISIBLTY 1 3/8 SM, HAT 597" TO "CATS A/B MDA 2100, HAT 497; CATS C/D MDA 2100, VISIBLTY 1 1/8 SM, HAT 497" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
20. CHANGED CIRCLING MINIMUMS FROM "CAT A MDA 2200, VISIBILITY 1 SM, HAA 597; CAT B MDA 2380, VISIBLTY 1 SM, HAA 777" TO "CAT A MDA 2140, VISIBILITY 1 SM, HAA 537; CAT B MDA 2400, VISIBILITY 1 SM, HAA 797" - PROCEDURE RE-EVALUATED WITH NEW CRITERIA AND NEW OBSTACLE EVALUATION COMPLETED.
21. REMOVED "CHART NOTE: DME/DME RNP 0.3 NA" AND ADDED "EQUIPMENT REQUIREMENTS NOTE: RNP APCH" - PER .19H EQUIPMENT REQUIREMENTS NOTES.
22. CHANGED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (9F) 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.
- 23.CHANGED NOTE FROM "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - ADDED RWY PER NEW .19H FORMAT.
24. CHANGED CHART NOTE "FOR INOPERATIVE MALS, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 AND LNAV CATS C/D VISIBILITY TO 1 3/4 MILE TO "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A/B" - NEW .3D INOPERATIVE VISIBLTY TABLES APPLIED.
25. CHANGED CHART NOTE FROM "CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING AND ALL DA 149 FT AND ALL MDA 160 FEET; INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 7/8 MILE, INCREASE LNAV CATS C/D VISIBILITY 1/2 MILE, AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING AND INCREASE ALL DA TO 2125 FEET, LNAV/VNAV DAT TO 2290FEET, AND ALL MDA 160 FEET; INCREASE LPV 1/4 SM, LNAV/VNAV ALL CATS VISIBILITIES 1/2 SM, INCREASE LNAV CATS C/D AND CIRCLING CATS B/C VISIBILITIES 1/2 SM" AND MOVED TO GENERAL SECTION OF 8260-9 - PER .19H NOT REQUIRED WHEN ASOS NON-FED TRANSMITS TO WMSCR. DATA PLACED ON BACK OF -9 FOR NOTAM CONTINGENCY.
26. REMOVED "CHART NOTE: FOR INOPERATIVE MALS WHEN USING WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 3/4 MILE, AND LNAV CAT B TO 1 1/4 MILE AND CATS C/D VISIBILITY TO 2 MILES. INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV OR LNAV CAT A" - PER VIS CHECK TOOL.
27. REMOVED CHART NOTE "BARO-VNAV AND VDP NA WHEN USING WILKES-BARRE/SCRANTON INTL ALTIMETER SETTING" - PER .19H NOT REQUIRED WHEN ASOS NON-FED TRANSMITS TO WMSCR. DATA PLACED ON BACK OF -9 FOR NOTAM CONTINGENCY.
28. CHANGED FAS DATA LTP/FTP LATITUDE FROM "405910.6775N" TO "405910.6765N" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
29. CHANGED FAS DATA LTP/FTP LONGITUDE FROM "0755909.7530W" TO "0755909.7485W" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
30. CHANGED FAS DATA LTP/FTP ELLIPSOIDAL HEIGHT FROM "+04537" TO "+04563" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
31. CHANGED FAS DATA FPAP LATITUDE/LONGITUDE FROM "405917.0800N/0760107.1030W" TO "405917.00790N/0760107.0985W" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.
32. CHANGED FAS DATA GLIDEPATH ANGLE (GPA) FROM "03.00" TO "03.17" - CHANGED TO MATCH VGSI ANGLE.
33. CHANGED FAS DATA CRC REMAINDER FROM "6941A3D1" TO "0E7A872A" - PROCEDURE AMENDMENT.
34. CHANGED FAS DATA LTP AND FPAP ORTHEMETRIC HEIGHTS FROM "+04862" TO "+04863" - RWY EXTENSION AND NEW DISPLACED THRESHOLD.



**COORDINATED WITH:**

**A4A** ☐   **ALPA** ☒   **AOPA** ☒   **APA** ☐   **HAI** ☐   **NBAA** ☒   **OTHER:** ZNY, ZVP APP CON, ARPT MNGR

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**OFFICE**

**DATE**

**DAVID DANNER**

Feb 11, 2019

**DEVELOPED BY**

DAVID DANNER (DARREN HOOPER)

*Digitally signed by*

**DAVID DANNER**

Feb 11, 2019

**OFFICE**

AJV-5421

**DATE**

10/23/2018

**APPROVED BY**

JULIE MORGAN

*Digitally signed by*

**DAVID DANNER**

Feb 11, 2019

**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	KHZL
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	405910.6765N
LTP/FTP LONGITUDE	0755909.7485W
LTP/FTP ELLIPSOIDAL HEIGHT	+04536
FPAP LATITUDE	405917.0790N
FPAP LONGITUDE	0760107.0985W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.17
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0E7A872A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04863
FPAP ORTHOMETRIC HEIGHT	+04863

