

**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 ID</u> UWL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> NEW CASTLE	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 1090	<u>TDZE</u> 1090	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>DATED</u> 04/25/2019	<u>MAG VAR</u> 6W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
		<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024		<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 187/30 CW 007/30	NOPT	TASUY	IF/IAF	3000
2. 007/30 CW 187/30		TASUY	IF/IAF	3000

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>
TASUY	IF/IAF	CIBSO		TF	FB	1.00	276.58	7.65	2600
CIBSO	FAF	TEYOB/1.80 NM TO RW28		TF	FB	0.30	276.47	2.80	
TEYOB/1.80 NM TO RW28		RW28	MAP	TF	FO	0.30	276.47	1.80	
RW28	MAP	1343 MSL		CA			276.47		
1343 MSL		HAFHU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HAFHU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | |
|------------------------------------------------------------------------------|-----------------------------------|-----------------------|------------------------------|-------------------------------|----------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD E TASUY, RT, 276.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 276.47 | FAF: CIBSO | | DIST FAF TO MAP: 4.60 | DIST FAF TO THLD: 4.60 | |
| 4. MIN ALT: TASUY 3000, CIBSO 2600, TEYOB/1.80 NM TO RW28 1700 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 253 HAT: 0.66 | GS ANT: |
| 6. MIN GP INCPT: 2600 | GP ALT AT PFAF: CIBSO 2600 | | | OM: | MM: |
| 7. GP ANGLE: 3.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 43.9 | | IM: |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING AID ALTIMETER SETTING.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING; INCREASE LPV DA TO 1412 FEET; INCREASE LNAV/VNAV DA TO 1437 FEET;
 INCREASE ALL MDAS 80 FEET, LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 096.23 INBOUND.
 CHART FAS OBST: 1213 TREE (18-030744) 395307N/0851622W.
 CHART VDP AT 1.03 NM TO RW28.
 WAAS CHANNEL # 70541
 REFERENCE PATH ID: W28A
 CHART CIRCLING ICON.
 LTP HAE: 298.4 M

MINIMUMS:

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

ALTERNATE: NA STANDARD; STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LPV DA	1343	1	253	1343	1	253	1343	1	253	1343	1	253			
LNAV/VNAV DA	1368	1	278	1368	1	278	1368	1	278	1368	1	278			
LNAV MDA	1480	1	390	1480	1	390	1480	1	390	1480	1	390			
CIRCLING	1520	1	430	1540	1	450	1720	1 3/4	630	1720	2	630			



CHANGES - REASONS

1. MINIMA CHANGED: LPV DA/HAT CHANGED FROM 1412/322 TO 1343/253, LNAV/VNAV DA/HAT CHANGED FROM 1437/347 TO 1368/278, LNAV MDA/HAT CHANGED FROM 1540/450 TO 1480/390, CIRCLING MDA/HAA CHANGED FROM CAT A 1580/490 TO 1520/430, CAT B 1600/510 TO 1540/450, CATC 1780/690 TO 1720/630, CAT D 1780/690 TO 1720/630 - NEW PROCEDURE EVALUATION, FPT/OBSTACLE IMPACT TEAM CONCURRENCE.
2. LNAV CAT C AND D VISIBILITY CHANGED FROM CAT C 1 3/8 TO 1, CAT D 1 3/8 TO 1 - IAW 8260.3E TABLE 3-3-1.
3. CIRCLING VISIBILITY CHANGED FROM CATE C 2 TO 1 3/4, CAT D 2 1/4 TO 2 - IAW 8260.3E TABLE 3-3-7.
4. LINE 4: REMOVED ASTERISK - NO LONGER REQUIRED PER FAAO 8260.19I, PARA 8-6-7D(2) CRITERIA.
5. LINE 5 CHANGED FROM 322 HAT: 0.87 TO 253 HAT: 0.66 - HAT LOWERED DUE TO NEW PROCEDURE EVALUATION.
6. PBN REQUIREMENTS NOTE: CHANGED "RNP APCH" TO "RNP APCH - GPS" - REQUIRED DOCUMENTATION PER MEMO 276, ATTCH 4, PARA 7 CRITERIA.
7. NOTES: CHANGED "BARO-VNAV NA" TO "BARO-VNAV AND VDP NA WHEN USING ANDERSON ALTIMETER SETTING- IAW 8260.19I PARA 8-6-9.3.(E)(F).
8. NOTES: REMOVED "*LNAV ONLY" - NO LONGER REQUIRED PER MEMO 276, ATTACH 3, PARA 4 CRITERIA.
9. NOTES: CHANGED BACKUP ALTIMETER NOTE FROM "USE ANDERSON ALTIMETER SETTING; WHEN NOT RECEIVED, USE MUNCIE ALTIMETER SETTING AND INCREASE LPV DA TO 1416, LNAV/VNAV DA TO 1441, AND ALL MDA 20 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSON ALTIMETER SETTING; INCREASE LPV DA TO 1412 FEET; INCREASE LNAV/VNAV DA TO 1437 FEET; INCREASE ALL MDAS 80 FEET, LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM" - LOCAL ALTIMETER SETTING EMPLOYED..
10. NOTES: ADDED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - LOCAL ALTIMETER SOURCE EMPLOYED/REQUIRED DOCUMENTATION PER FAAO 8260.19I, PARA 8-6-9R CRITERIA.
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART ANDERSON MUNI-DARLINGTON FIELD AWOS-3" - NO LONGER REQUIRED/LOCAL ALTIMETER SOURCE EMPLOYED.
12. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.03 NM TO RW28" - LOCAL ALTIMETER SOURCE EMPLOYED/REQUIRED DOCUMENTATION PER FAAO 8260.19I, PARA 8-6-10M CRITERIA.
13. CRC REMAINDER CHANGED FROM B6008F04 TO C92F2F78.- FPAP LAT COORDINATE CHANGED FROM 395236.7075N TO 395236.7050N.
14. ADDED ALTERNATE MINS - IAW 8260.19I PARA 8-6-11(4).

02/06/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/02/2023.

1. ADDED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - PER FLIGHT INSPECTION REPORT.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZID, IND APP CON, AMGR

FLIGHT CHECKED BY
SHAWN DOUGLAS MAXWELL

Digitally signed by
ALLAN WILL
Feb 07, 2024

OFFICE
FIOG **DATE**
02/01/2024

DEVELOPED BY
WILLIAM D. MELTON *Digitally signed by*
WILLIAM D MELTON
Feb 06, 2024

OFFICE
AJV-A423 **DATE**
10/02/2023

APPROVED BY
MICHAEL R. GARRITY JR.

Digitally signed by
ALLAN WILL
Feb 07, 2024

OFFICE
AJV-A423 **DATE**
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUWL
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	395236.0875N
LTP/FTP LONGITUDE	0851904.0885W
LTP/FTP ELLIPSOIDAL HEIGHT	+02984
FPAP LATITUDE	395236.7050N
FPAP LONGITUDE	0852059.8200W
THRESHOLD CROSSING HEIGHT (TCH)	00043.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C92F2F78

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03323
FPAP ORTHOMETRIC HEIGHT	+03323

