

**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> DECORAH MUNI	<u>AIRPORT ID</u> KDEH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> DECORAH	<u>STATE</u> IA
<u>AIRPORT ELEVATION</u> 1158	<u>TDZE</u> 1155	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

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>
LEFTY	IAF	JEBAR	NOPT	TF	FB	1.00	192.50	17.97	3000
FOYDE	IAF	JEBAR	NOPT	TF	FB	1.00	064.11	24.84	3000
JEBAR	IF/IAF	DUCAV		TF	FB	1.00	113.50	6.10	2900
DUCAV	FAF	PAYER/2.50 NM TO RW11		TF	FB	0.30	113.58	2.88	
PAYER/2.50 NM TO RW11		RW11	MAP	TF	FO	0.30	113.58	2.50	
RW11	MAP	1405 MSL		CA			113.58		
1405 MSL		FAYNE		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT FAYNE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW JEBAR, RT, 113.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 113.58 FAF: DUCAV DIST FAF TO MAP: 5.38 DIST FAF TO THLD: 5.38

4. MIN ALT: JEBAR 3000, DUCAV 2900, PAYER/2.50 NM TO RW11 1980*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.69 GS ANT: MM: IM:

6. MIN GP INCPT: 2900 GP ALT AT FAF : DUCAV 2900 OM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM: RW11 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LEFTY ON V24 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FOYDE ON V67 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.30 NM TO RW11*
*LNAV ONLY
WAAS CHANNEL #78021
REFERENCE PATH ID: W11A
CHART FAS OBST: 1340 TOWER 431710N/0914803W.
HOLD SE, RT, 293.83 INBOUND
LTP HAE: 319.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ 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	HAT/HAA
LPV DA	1405	1	250	1405	1	250		NA			NA				
LNAV/VNAV DA	1405	1	250	1405	1	250		NA			NA				
LNAV MDA	1600	1	445	1600	1	445		NA			NA				
CIRCLING	1600	1	442	1620	1	462		NA			NA				



CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED.
2. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE - IAW 8260.19H.
3. CHANGED DISTANCE TO THLD BASED ON 250 HAT FROM 0.66 TO 0.69 - TARGETS EVALUATION.
4. ADDED 20:1 IS CLEAR ON LINE 7 8260-3 - VISUAL SURFACE CLEAR.
5. REMOVED (F) VALUE FROM BARO-VNAV NOTE - NO LONGER REQUIRED.
6. REMOVED CHART NOTE: CIRCLING RWY 29 NA AT NIGHT - 20:1 OBSTACLE (1223 POLE (19-024494)) IS LIT.
7. CHANGED VDP FROM "CHART VDP AT 1.62 MILES TO RW11*" TO "CHART VDP AT 1.30 NM TO RW11*" TO ADDITIONAL FLIGHT DATA - LNAV MDA LOWERED.
8. ADDED STEPDOWN FIX (PAYER/2.5 NM TO RW11) - REDUCTION OF LNAV MDA.
9. MOVED BACKUP ALTIMETER AND ASSOCIATED NOTES FROM 8260-3 TO REMARKS AS CONTINGENCY NOTE - LOCAL WEATHER ON WMSCR.
10. CHANGED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT LEFTY ON V218 NORTHWEST BOUND AND V24 WESTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT LEFTY ON V24 WESTBOUND" - UKN SCHEDULED DECOMMISSIONING.
11. CHANGED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT FOYDE ON V138 WESTBOUND AND V67 SOUTHBOUND" TO "PROCEDURE NA FOR ARRIVALS AT FOYDE ON V67 SOUTHBOUND" - UKN SCHEDULED DECOMMISSIONING.
12. CHANGED CRC REMAINDER FROM: 61691A5A TO: CD369CF4 - FPAP LAT/LONG CHANGED FROM: 431602.8900N/0914255.4900W TO: 431602.8925N/0914255.4910W.
13. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - NEW CIRCLING RADII APPLIED.
14. RAISED LPV ALL CATS VISIBILITY FROM 7/8 TO 1 - VISCHECK VALUE.
15. LOWERED LNAV/VNAV ALL CATS DA/HAT FROM 1790/635 TO 1405/250 - NEW OBSTACLE EVALUATION.
16. LOWERED LNAV/VNAV ALL CATS VISIBILITY FROM 2 1/4 TO 1 - LOWERED DA/VISCHECK VALUE.
17. LOWERED LNAV ALL CATS MDA/HAT FROM 1760/605 TO 1600/445 - NEW OBSTACLE EVALUATION.
18. LOWERED CIRCLING CAT A MDA/HAA FROM 1760/602 TO 1600/442 AND CAT B FROM 1760/602 TO 1620/462 - NEW OBSTACLE EVALUATION.
19. CHANGED FAS OBSTACLE FROM: "1497 TOWER" TO "1340 TOWER" - NEW OBSTACLE EVALUATION/ADDED STEPDOWN FIX.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by
WARDELL HENNING
Jan 22, 2020

OFFICE
FICO

DATE
1/16/20

DEVELOPED BY

WARDELL HENNING (THERON CYRUS)

Digitally signed by
WARDELL HENNING
Jan 22, 2020

OFFICE
AJV-A432

DATE
10/08/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Jan 22, 2020

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDEH
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	431640.0900N
LTP/FTP LONGITUDE	0914446.3200W
LTP/FTP ELLIPSOIDAL HEIGHT	+03191
FPAP LATITUDE	431602.8925N
FPAP LONGITUDE	0914255.4910W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CD369CF4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03491
FPAP ORTHOMETRIC HEIGHT	+03491

