

**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> MORA MUNI	<u>AIRPORT ID</u> KJMR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MORA	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1033	<u>TDZE</u> 1010	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 0W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
LINDR		DANHI		TF	FO	1.00	162.88	27.73	2900
OLLEE	IAF	DANHI	NOPT	TF	FB	1.00	052.61	18.28	2600
DANHI	IF/IAF	CAKUK		TF	FB	1.00	351.74	5.00	2600
CAKUK	FAF	ARCED/1.70 NM TO RW35		TF	FB	0.30	351.73	3.17	
ARCED/1.70 NM TO RW35		RW35	MAP	TF	FO	0.30	351.73	1.70	
RW35	MAP	1267 MSL		CA			351.73		
1267 MSL		LINDR		DF	FO	1.00			5500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 DIRECT LINDR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD S DANHI, RT, 351.74 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	351.73	FAF: CAKUK	DIST FAF TO MAP: 4.87	DIST FAF TO THLD: 4.87	
4. MIN ALT:	DANHI 2600, CAKUK 2600, ARCED/1.70 NM TO RW35 1580*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	257 HAT: 0.68	GS ANT:
6. MIN GP INCPT: 2600	GP ALT AT FAF : CAKUK 2600		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 40.0		
8. MSA FROM:	RW35 2800				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 11 AND 29.
CHART NOTE: CIRCLING RWY 17 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HINCKLEY ALTIMETER SETTING.
CHART NOTE: RWY 35 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OLLEE ON T383 SOUTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HINCKLEY ALTIMETER SETTING: INCREASE ALL DAS 43 FEET AND INCREASE LNAV/VNAV ALL CAT VISIBILITIES 1/8 SM;
INCREASE ALL MDAS 60 FEET AND LNAV AND CIRCLING CAT C AND D VISIBILITIES 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.16 NM TO RW35*
*LNAV ONLY
WAAS CHANNEL #90139
REFERENCE PATH ID: W35A
CHART FAS OBST: 1155 WT 455230N/0931654W.
HOLD S, RT, 357.77 INBOUND
LTP HAE: 279.8 M



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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	1267	1	257	1267	1	257	1267	1	257	1267	1	257			
LNAV/VNAV DA	1316	1	306	1316	1	306	1316	1	306	1316	1	306			
LNAV MDA	1420	1	410	1420	1	410	1420	1 1/8	410	1420	1 1/8	410			
CIRCLING	1480	1	447	1500	1	467	1700	2	667	1700	2 1/4	667			

CHANGES - REASONS

1. REMOVED FROM TERMINAL ROUTES "LENCK (IAF) TO DANHI" - DUE TO RZN VOR MON DECOMMISSION.
2. REMOVED FROM TERMINAL ROUTES "RNP 1.00" FROM CA LEG.
3. ADDED "CHART NOTE: CIRCLING NA TO RWYS 11 AND 29" - INCORPORATED P-NOTAM FDC 8/9656.
4. REMOVED "DME/DME RNP -0.3 NA" - NO LONGER REQUIRED.
5. ADDED PBN REQUIREMENTS NOTE: "RNP APCH" - IAW 8260.19H 8-6-8.B.(1).
6. CHANGED "CHART NOTE: CIRCLING TO RWY 17 NA AT NIGHT" TO "CHART NOTE: CIRCLING RWY 17 NA AT NIGHT" - 8260.19H 8-6-11.O(2)(G).
7. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C" - REMOVED FAHRENHEIT, IAW 8260.19H 8-6-9.S.
8. CHANGED REMOTE ALTIMETER NOTE TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HINCKLEY ALTIMETER SETTING: INCREASE ALL DAS 43 FEET AND INCREASE LNAV/VNAV ALL CAT VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET AND LNAV AND CIRCLING CAT C AND D VISIBILITIES 1/4 SM." - UPDATED VERBIAGE IAW 8260.19H 8-6-11.N.(1)(A)3.
9. REMOVED NOTE: "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LENCK ON V505 NORTHEAST BOUND" - REMOVED FIX LENCK, DUE TO RZN VOR MON.
10. AIRPORT ELEVATION CHANGED FROM "1010" TO "1033" - NEW AIRNAV DATA.
11. MINIMUMS UPDATED FOR CIRCLING HAA'S: CAT A FROM "470" TO "447", CAT B FROM "490" TO "467", CAT C AND D FROM "690" TO "667" - DUE TO AIRPORT FIELD ELEVATION CHANGE, NEW AIRNAV DATA.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

ALLAN WILL

Oct 03, 2019

DEVELOPED BY

DAVID DANNER (MICHAEL DARDEN)

OFFICE

AJV-A421

DATE

07/10/2019

Digitally signed by

ALLAN WILL

Oct 03, 2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Oct 03, 2019

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJMR
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	455257.7435N
LTP/FTP LONGITUDE	0931611.3615W
LTP/FTP ELLIPSOIDAL HEIGHT	+02798
FPAP LATITUDE	455425.8910N
FPAP LONGITUDE	0931629.7375W
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	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9C1054B4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03077
FPAP ORTHOMETRIC HEIGHT	+03077