

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
COPTER ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.35**

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> KINL	<u>PROCEDURE NAME</u> COPTER ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> INTERNATIONAL FALLS	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1182	<u>TDZE</u> 1166	<u>SUPERSEDED</u> COPTER ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 01/08/2015	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> I-INL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> 06/17/2021	<u>CANCEL/SUSPEND</u>		

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>
INL VOR/DME		RAIZE/INL 7.59 DME	FAF/IAF				129.18	7.59	3400

MISSED APPROACH

MAP:

ILS: DA
LOC: 6.67 NM AFTER RAIZE/INL 7.59 DME OR AT EKOJO/INL 0.93 DME FIX

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 ON INL VOR/DME R-310 TO HODEV/INL 14.00 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 132.91 OUTBOUND 3400 FT WITHIN 10 MILES OF RAIZE/INL 7.59 DME (IAF)

2.

3. FAF: 312.91 FAF: RAIZE/INL 7.59 DME DIST FAF TO MAP: 6.67 DIST FAF TO THLD: 6.87

4. MIN ALT: RAIZE/INL 7.59 DME 3400, ALETE/INL 2.01 DME 1620

5. DIST TO THLD FROM FAF: 6.87 MM: IM: 150 HAT: GS ANT: 904

6. MIN GS INCPT: 3400 GS ALT AT FAF: RAIZE/INL 7.59 DME 3400 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: 20:1: TCH: 45.1

8. MSA FROM: INL VOR/DME 3000

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.



NOTES:

CHART PLANVIEW NOTE: LIMIT FEEDER, INITIAL, AND INTERMEDIATE APPROACH TO 90 KIAS.

CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH TO 70 KIAS.

CHART PLANVIEW NOTE: INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE; MAINTAIN 90 KIAS WHILE IN HOLDING.

ADDITIONAL FLIGHT DATA:

#DME FROM INL VOR/DME.

HOLD NW, RT, 130.30 INBOUND.

CHART FAS OBST: 1236 TREE (27-086697) 483318N/0932301W.

1359 AAO 482839N/0931506W.

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

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	COPTER														
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
H-ILS 31	1366	1/2	200		NA			NA			NA				
H-LOC 31	1620	1/2	454		NA			NA			NA				
ALETE FIX MINIMUMS#															
H-LOC 31	1500	1/2	334		NA			NA			NA				

CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 1185 TO 1182. - NEW SURVEY; AIRNAV DATA CHANGED.
2. CHANGED FAF FROM RAIZE LOM/INL 7.18 DME TO RAIZE/INL 7.59 DME IN TERMINAL ROUTES, PROFILE LINE 1/3/4. - OM DECOMMISSIONED AND CREATED FAF FIX FOR OPTIMAL DESIGN.
3. CHANGED LOC MAP FROM "6.46 MILES AFTER RAIZE LOM OR AT INL 0.73 DME FIX." TO "6.67 NM AFTER RAIZE/INL 7.59 DME OR AT EKOJO/0.93 DME FIX." - OM DECOMMISSIONED AND FAF MOVED FOR OPTIMAL DESIGN AND ADDED EKOJO AS MAP.
4. REMOVED ALT MA INSTRUCTIONS AND CHANGED PRIMARY MA INSTRUCTIONS FROM "CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3400 DIRECT RAIZE LOM/INL 7.18 DME AND HOLD." TO "CLIMB TO 3300 ON INL VOR/DME R-310 TO HODEV/INL 14.00 DME/RADAR AND HOLD." - OM DECOMMISSIONED.
5. CHANGED DIST FAF TO MAP/THLD FROM 6.26/6.46 TO 6.62/6.82 IN LINE 3, CHANGED ALETE DME FROM 2.22 TO 2.01 IN LINE 4, CHANGED MSA FAC FROM IN LOM TO INL VOR/DME IN LINE 8, ADDED RAIZE/INL 7.59 DME TO LINE 5/6, AND REMOVED OM: 3307 FROM LINE 6. - MOVED FAF AND STEPDOWN FOR OPTIMAL DESIGN AND OM DECOMMISSIONED.
6. REMOVED CHART PLANVIEW NOTE: ADF REQUIRED AND ADDED DME OR RADAR REQUIRED. TO EQUIPMENT REQUIREMENTS NOTES. - OM DECOMMISSIONED AND NEW MISSED APPROACH FIX IS DME OR RADAR.
7. REMOVED SECONDARY ALTIMETER NOTES. - KINL IS ON WMSCR AND MOVED THEM TO THE BACK OF -9 FOR RECORD KEEPING.
8. REMOVED INOPERATIVE MALSR NOTES. - NEW EVAL, LOWER MINS, AND NO LONGER REQUIRED.
9. CHANGED FAS OBST FROM 1233 TREE 483321N/0932260W TO 1236 TREE (27-086697) 483318N/0932301W IN, AND ADDED 7:1 OBST TO ADDITIONAL FLIGHT DATA.
10. CHANGED H-ILS VIS FROM 1/4 SM TO 1/2 SM, H-LOC VIS FROM 3/8 SM TO 1/2 SM, AND ALETE FIX H-LOC MINS FROM 1520/354/ 1/4 SM TO 1500/334/ 1/2 SM. - NEW EVAL COMPLETED AND ALETE H-LOC MINS LOWERED.
11. ADDED 3 HELICOPTER SPEED NOTES. - IAW 8260.19I 8-6-9 L.

05/10/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/15/2021:

CHANGED REQUIRED EFFECTIVE DATE FROM "ROUTINE" TO 06/17/2021 - PROCEDURE REQUIRES HARD DATE



COORDINATED WITH:**A4A** ☒**ALPA** ☒**AOPA** ☒**APA** ☐**HAI** ☐**NBAA** ☒**OTHER:** ZMP, AMGR**FLIGHT CHECKED BY**

PENDING

*Digitally signed by***JOHN BORDY**

May 10, 2021

OFFICE**DATE****DEVELOPED BY**

JOHN BORDY (ANDRE TUCKER)

*Digitally signed by***JOHN BORDY**

May 10, 2021

OFFICE

AJV-A422

DATE

02/15/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

May 10, 2021

OFFICE

AJV-A420

DATE**TITLE**
MANAGER