

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> KGPZ	<u>PROCEDURE NAME</u> ILS OR LOC RWY 34	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> GRAND RAPIDS	<u>STATE</u> MN	
<u>AIRPORT ELEVATION</u> 1356	<u>TDZE</u> 1356	<u>SUPERSEDED</u> ILS OR LOC RWY 34	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 08/13/2020	<u>MAG VAR</u> 2E
<u>FACILITY</u> I-GPZ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GPZ VOR/DME		DIKKA/GPZ VOR/DME 2.41 DME	FAF/IAF				164.33	2.41	3000
NEBBS INT	IAF	LASNYPINT/GPZ VOR/DME 7.10 DME	NOPT				028.67 & 343.61	4.33 & 5.22 (I-GPZ)	3100
LASNYPINT/GPZ VOR/DME 7.10 DME	IF	DIKKA/GPZ VOR/DME 2.41 DME					343.61	4.70 (I-GPZ)	2900

MISSED APPROACH

MAP:
ILS: DA
LOC: 4.68 NM AFTER DIKKA/GPZ VOR/DME 2.41 DME OR AT GPZ VOR/DME 2.41 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3100 THEN RIGHT TURN DIRECT GPZ VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 163.61 OUTBOUND 3000 FT WITHIN 10 MILES OF DIKKA/GPZ VOR/DME 2.41 DME (IAF)
- 2.
3. FAC: 343.61 FAF: DIKKA/GPZ VOR/DME 2.41 DME DIST FAF TO MAP: 4.68 DIST FAF TO THLD: 4.68
4. MIN ALT: DIKKA/GPZ VOR/DME 2.41 DME 2900
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1178
6. MIN GS INCPT: 2900 GS ALT AT FAF: DIKKA/GPZ VOR/DME 2.41 DME 2900 OM: MM: IM:
7. GP ANGLE: 3.00 34:1 20:1 TCH: 53.0
8. MSA FROM: GPZ VOR/DME 3200



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR LOC ONLY.

NOTES:

CHART NOTE: CIRCLING TO RWY 5, 23 NA AT NIGHT.
 CHART NOTE: CIRCLING NA FOR CAT D E OF RWY 16-34.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GPZ VOR/DME ON V430 WESTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 334.22 INBOUND
 FAS OBST: 1550 AAO 470944N/0932948W
 1585 AAO 470703N/0932823W
 CHART VDP AT 1.07 DME
 DISTANCE VDP TO THLD 1.23 NM
 CHART CIRCLING ICON

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.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 34	1556	1/2	200	1556	1/2	200	1556	1/2	200	1556	1/2	200			
S-LOC 34	1800	1/2	444	1800	1/2	444	1800	7/8	444	1800	7/8	444			
CIRCLING	1900	1	544	1900	1	544	1900	1 1/2	544	1960	2	604			



CHANGES - REASONS

1. REMOVED ALL ASSOCIATION WITH GPZ LOM/FIX GALEX LOM - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
2. REMOVED CNF FIX VKLDR - NOT REQUIRED FOR CODING.
3. CHANGED FAF: FROM GALEX LOM TO DIKKA/GPZ VOR/DME 2.41 DME - .19H 8-2-6. D.
4. CHANGED FAF COORDINATES: FROM 470730.31N/0932846.30W TO 470725.80N/0932844.56W - FIX MOVED 473 FT SOUTHEAST.
5. CHANGED MISSED APPROACH INSTRUCTIONS: FROM CLIMB TO 3100 THEN RIGHT TURN DIREC GALEX LOM AND HOLD TO CLIMB TO 3100 THEN RIGHT TURN GPZ VOR/DME AND HOLD - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
6. REMOVED ALTERNATE MISSED APPROACH - IAW 8260.19H, PARA 4-6-2B/NOT REQUESTED BY ATC.
7. CHANGED FEEDER SEGMENT: FROM GPZ VOR/DME TO GALEX LOM TO GPZ VOR/DME TO DIKKA/GPZ VOR/DME 2.41 DME - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING/CURRENT CRITERIA.
8. CHANGED FEEDER SEGMENT COURSE AND DISTANCE: FROM 165.58/2.02 TO 164.33/2.41 - FAF/IF RELOCATED.
9. CHANGED INITIAL SEGMENT COURSE AND DISTANCE: FROM 029.00/4.34 (HDG) & 343.62/5.21 (I-GPZ) TO 028.67/4.33 (HDG) & 343.61/5.22 (I-GPZ).
10. CHANGED INTERMEDIATE SEGMENT: FROM LASNY INT/GPZ 7.11 DME TO GALEX LOM TO LASNY INT/GPZ 7.11 DME TO DIKKA/GPZ VOR/DME 2.41 DME - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING/CURRENT CRITERIA.
11. CHANGED INTERMEDIATE SEGMENT COURSE AND DISTANCE: FROM 343.62/5.10 (I-GPZ) TO 343.61/4.70 (I-GPZ).
12. CHANGED LOC MAP LOCATION DESCRIPTION: FROM 4.26 MILES AFTER GALEX LOM TO 6.68 NM AFTER TO DIKKA/GPZ VOR/DME 2.41 DME - NEW CRITERIA/FAF FIX MOVE.
13. CHANGED PROFILE LINE 1: FROM 1. PT L SIDE OF COURSE 163.62 OUTBOUND 3000 FT WITHIN 10 MILES OF GALEX LOM (IAF) TO 1. PT L SIDE OF COURSE 163.61 OUTBOUND 3000 FT WITHIN 10 MILES OF GPZ VOR/DME (IAF) - NEW TARGETS RESULTS SET/GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
14. CHANGED ADDITIONAL FLIGHT DATA HOLDING: FROM HOLD S, RT, 343.62 INBOUND TO HOLD SE, RT, 334.22 INBOUND - NEW TARGETS RESULTS SET/NEW PROMARY HOLDING LOCATION.
15. CHANGED PROFILE LINE 3: FROM FAC: 343.62 FAF: GALEX LOM DIST FAF TO MAP: 4.28 THLD: 4.28 TO FAC: 343.61 FAF: TO DIKKA/GPZ VOR/DME 2.41 DME, DIST FAF TO MAP: 4.68 DIST FAF TO THLD: 4.68 - FAF FIX MOVED.
16. CHANGED PROFILE LINE 4 MIN ALT: FROM GALEX LOM 2900 TO DIKKA/GPZ VOR/DME 2.41 DME 2900 - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
17. REMOVED FROM PROFILE LINE 5: DIST TO THLD FROM OM - GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
18. CHANGED PROFILE LINE 5: GS ANT FROM 1179 TO 1178 - NEW FACILITY SURVEY.
19. CHANGED PROFILE LINE 6: FROM GS ALT AT: GS INTCP TO GS ALT AT FAF: TO DIKKA/GPZ VOR/DME 2.41 DME 2900 AND DELETED OM ALTITUDE - NEW TARGETS RESULTS SET/GALEX LOM IS SCHEDULED FOR DECOMMISSIONING.
20. CHANGED PROFILE LINE 7: TCH FROM 60 TO 53 - NEW DESIGN TCH.
21. CHANGED PROFILE LINE 8: MSA FROM GP LOM 3200 TO GPZ VOR/DME 3200 - GPZ LOM IS SCHEDULED FOR DECOMMISSIONING.
22. CHANGED ALTERNATE WEATHER MINIMUMS: LOC FROM STANDARD TO STANDARD - CAT D 800 2 3/4 - NEW INOP TABLE/VISIBILITY CHECK.
23. LOWERED S-LOC 34 MDA/HAT FROM 1820/464 TO 1800/444, REDUCED CAT C/D VISIBILITIES FROM 1 SM TO 7/8 SM - NEW MAP STUDY/NEW VISIBILITY CHECK.
24. CHANGED CIRCLING CAT D MDA/HAA FROM 2000/644 TO 1960/604 - NEW CONTROLLING OBSTACLE.
25. CHANGED CHART NOTE AND MOVED TO 8260-9 CONTINGENCY NOTES: FROM FOR INOPERATIVE ALS, WHEN USING HIBBING ALTIMETER SETTING, INCREASE S-ILS 34 VISIBILITY TO 3/4 SM TO FOR INOPERATIVE ALS, WHEN USING HIBBING ALTIMETER SETTING, INCREASE S-ILS 34 ALL CATS VISIBILITY TO 7/8 SM - NEW INOP TABLE/VISIBILITY CHECK/LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
26. REMOVED CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 34 CATS C/D VISIBILITY TO 1 5/8 SM - NEW INOP TABLE/VISIBILITY CHECK.
27. CHANGED ADDITIONAL FLIGHT DATA: FROM FAS OBSTACLE 1559 AAO 470828N/0932925W TO FAS OBSTACLE 1550 AAO 470944N/0932948W - NEW MAP STUDY.
28. ADDED: CHART VDP AT 1.07 DME; DISTANCE TO THLD 1.23 NM - NEW CRITERIA/TARGETS RESULTS SET.
29. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GPZ VOR/DME ON V430 WESTBOUND - .3D 2-3-1 A. (1).
30. CHANGED CHART NOTE: CIRCLING RWY 5 NA AT NIGHT TO CIRCLING RWY 5, 23 NA AT NIGHT - NEW 20:1 OBSTACLES.
31. REMOVED FROM ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE, GPZ VOR/DME, RT, 334.22 INBOUND - REMOVED ALTERNATE MISSED APPROACH HOLDING.
32. REMOVED FROM ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: GPZ VOR/DME - REMOVED ALTERNATE MISSED APPROACH HOLDING.
33. REMOVED ADDITIONAL FLIGHT DATA: CHART (VKLDR) AT INTERSECTION OF NEBBS DR LEG AND INTERMEDIATE COURSE - UPDATED CRITERIA NOT REQUIRE COURSE TO FIX CHARTING.
34. REMOVED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT - NEW ILS DESIGN TCH.
35. ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED FOR LOC ONLY - .19H 8-3-4 B. (6)/8-6-8 A. (2). (A).
36. INCORPORATED NOTAM 0/2103.
37. CHANGED CHART NOTE: CIRCLING NA FOR CAT D EAST OF RWY 16-34 TO CIRCLING NA FOR CAT D E OF RWY 16-34 - .19H 8-6-11. O. (5) (D).



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZMP, AMGR

Digitally signed by

JON DENTON

Mar 11, 2021

OFFICE

FICO

DATE

3/9/2021

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by

JON DENTON

Mar 11, 2021

OFFICE

AJV-A432

DATE

12/08/2020

DEVELOPED BY

JON DENTON (APRIL SARMENTO)

Digitally signed by

JON DENTON

Mar 11, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER

APPROVED BY

LONNIE EVERHART

