



Federal Aviation Administration

SAFETY ALERT

Date: November 12, 2025

To: Users of: digital-Terminal Procedures Publications (d-TPP) (2512)
U.S. Terminal Procedures Publications (TPP) Vol EC-1

From: Aeronautical Information Services, AJV-A

Subject: ALTERNATE MINIMUMS missing from EC-1 Alternate Minimums

Effective November 27, 2025, in the U.S. Terminal Procedure Publications Vol EC-1 and the digital-Terminal Procedures Publications (2512), numerous ALTERNATE MINIMUMS were inadvertently deleted.

You can find a corrected version of the chart here:

- Attached to this Safety Alert
- In the Terminal Procedures search on our website here:
https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/dtpp/search/
- DDTPPD_251127.zip here:
https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/dtpp/

View Aeronautical Information Services [Safety Alerts and Charting Notices](https://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/) at
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For awareness or participation in a public forum to identify issues concerning safety and usefulness of aeronautical charts and flight information products/services, and discuss change proposals to specifications and methodologies visit [Aeronautical Charting Meeting \(Chart Group\)](https://www.faa.gov/air_traffic/flight_info/aeronav/acf/) at (https://www.faa.gov/air_traffic/flight_info/aeronav/acf/).

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For aeronautical data or charting inquiries visit the [Aeronautical Information Portal](https://nfdc.faa.gov/nfdcApps/controllers/PublicSecurity/nfdcLogin)
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A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.
ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate. A procedure is not authorized for alternate flight planning purposes when local weather is not available.

MILITARY USERS NOTE: For IFR alternate airport and minima planning, refer to appropriate service directives.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

ADRIAN, MI
LENAWEE
COUNTY (ADG).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
NA when local weather not available.

ALMA, MI
GRATIOT
COMMUNITY (AMN).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

ALPENA, MI
ALPENA COUNTY
RGNL (APN).....**ILS or LOC Rwy 1¹**
RNAV (GPS) Rwy 7²
RNAV (GPS) Rwy 25²

¹NA when control tower closed.
²NA when local weather not available.

ANN ARBOR, MI
ANN ARBOR
MUNI (ARB).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
VOR Rwy 6¹
VOR Rwy 24¹
NA when local weather not available.
¹Cat D 900-2½.

NAME ALTERNATE MINIMUMS

BAD AXE, MI
HURON COUNTY
MEML (BAX).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 35
NA when local weather not available.

BATTLE CREEK, MI
BATTLE CREEK EXEC AT KELLOGG
FLD (BTL).....**ILS or LOC Rwy 23R¹**
RNAV (GPS) Rwy 5L
RNAV (GPS) Rwy 23R
NA when local weather not available.
¹NA when control tower closed.

BEAVER ISLAND, MI
BEAVER
ISLAND (SJX).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

BELLAIRE, MI
ANTRIM
COUNTY (ACB).....**RNAV (GPS) Rwy 2**
NA when local weather not available.
Cat C 1000-2¼, Cat D 1100-3.

BENTON HARBOR, MI
SOUTHWEST MICHIGAN
RGNL (BEH).....**RNAV (GPS) Rwy 10**
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

BIG RAPIDS, MI

ROBEN-HOOD (RQB).....RNAV (GPS) Rwy 27
NA when local weather not available.
Cat D 900-2¾.

CADILLAC, MI

WEXFORD
COUNTY (CAD).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
NA when local weather not available.
Cat D 800-2¼.

CARO, MI

TUSCOLA
AREA (CFS).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹
VOR-A²
NA when local weather not available.
¹Cat C 900-2¾.
²Cat A, B 900-2, Cat C 900-2¾.

CHARLEVOIX, MI

CHARLEVOIX
MUNI (CVX).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
NA when local weather not available.
Cat D 800-2¼.

CHARLOTTE, MI

FITCH H BEACH (FPK).....RNAV (GPS) Rwy 21
NA when local weather not available.

CHEBOYGAN, MI

CHEBOYGAN
COUNTY (SLH).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
VOR Rwy 10
NA when local weather not available.

COLDWATER, MI

BRANCH COUNTY
MEML (OEB).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
NA when local weather not available.

DETROIT, MI

COLEMAN A YOUNG
MUNI (DET).....ILS or LOC Rwy 15¹
ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²
NA when local weather not available.
¹LOC Cat D 900-2¾.
²Cat D 900-2¾.

NAME ALTERNATE MINIMUMS

DETROIT, MI (CON'T)

WILLOW RUN (YIP).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 23¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 9²
RNAV (GPS) Rwy 23²
VOR-A²

¹LOC Cat D 800-2¼.
²Cat D 800-2¼.

DETROIT/GROSSE ILE, MI

GROSSE ILE MUNI (ONZ).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR-A

NA when local weather not available.

ESCANABA, MI

DELTA COUNTY (ESC).....ILS or LOC Rwy 10¹
LOC BC Rwy 28²
RNAV (GPS) Rwy 1²
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 19²
RNAV (GPS) Rwy 28²
VOR Rwy 1²

NA when local weather not available.
¹LOC Cat D 900-2¾.
²Cat D 900-2¾.

FLINT, MI

BISHOP INTL (FNT).....ILS or LOC Rwy 9¹²
ILS or LOC Rwy 27¹²
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 18³⁴
RNAV (GPS) Rwy 27³
RNAV (GPS) Rwy 36³
VOR Rwy 18³
VOR Rwy 36³

¹NA when control tower closed.
²LOC Cat D 800-2¼.
³Cat D 800-2¼.
⁴NA when local weather not available.

FRANKFORT, MI

FRANKFORT DOW MEML
FLD (FKS).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.
Cat B 900-2, Cat C 900-2¾.

FREMONT, MI

FREMONT
MUNI (FFX).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19
NA when local weather not available.
Cat D 800-2¼.

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NAME ALTERNATE MINIMUMS

GAYLORD, MI

GAYLORD RGNL (GLR).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

Cat D 800-2½.

NA when local weather not available.

GRAND RAPIDS, MI

GERALD R FORD

INTL (GRR).....ILS or LOC Rwy 26L¹²

ILS or LOC Rwy 35¹

RNAV (GPS) Rwy 8L²

RNAV (GPS) Rwy 17²

RNAV (GPS) Rwy 35²

VOR Rwy 17²

¹NA when control tower closed.

²NA when local weather not available.

GRAYLING, MI

GRAYLING AAF (GOV).....RNAV (GPS) Rwy 14

NA when local weather not available.

Cat D 900-2½.

HANCOCK, MI

HOUGHTON COUNTY

MEML (CMX).....ILS or LOC Rwy 32¹²

LOC BC Rwy 14³⁴

RNAV (GPS) Rwy 7³⁴

RNAV (GPS) Rwy 14³⁴

RNAV (GPS) Rwy 25³⁴

RNAV (GPS) Rwy 32³⁴

VOR Rwy 25³⁴

¹LOC NA when local weather not available.

²LOC Cat D 800-2¼.

³Cat D 800-2¼.

⁴NA when local weather not available.

HARBOR SPRINGS, MI

HARBOR

SPRINGS (MGN).....RNAV (GPS) Rwy 10

RNAV (GPS) Rwy 28

NA when local weather not available.

Cat B 900-2.

HOLLAND, MI

WEST MICHIGAN

RGNL (BIV).....RNAV (GPS) Rwy 8

RNAV (GPS) Rwy 26

NA when local weather not available.

HOUGHTON LAKE, MI

ROSCOMMON COUNTY/BLODGETT

MEML (HTL).....RNAV (GPS) Rwy 9

RNAV (GPS) Rwy 27

NA when local weather not available.

HOWELL, MI

LIVINGSTON COUNTY SPENCER J

HARDY (OZW).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

IONIA, MI

IONIA COUNTY (Y70).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

IRON MOUNTAIN KINGSFORD, MI

FORD (IMT).....RNAV (GPS) Rwy 1

RNAV (GPS) Rwy 19

NA when local weather not available.

Cat D 800-2¼.

IRONWOOD, MI

GOGEBIC/IRON

COUNTY (IWD).....RNAV (GPS) Rwy 9

RNAV (GPS) Rwy 27

VOR Rwy 9

NA when local weather not available.

Cat A, B 900-2, Cat C, D 1000-3.

JACKSON, MI

JACKSON COUNTY/REYNOLDS

FLD (JXN).....ILS or LOC Rwy 25¹

RNAV (GPS) Rwy 7

RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 25

RNAV (GPS) Rwy 32

NA when local weather not available.

¹NA when control tower closed.

KALAMAZOO, MI

KALAMAZOO/BATTLE CREEK

INTL (AZO).....RNAV (GPS) Rwy 5

RNAV (GPS) Rwy 17¹

RNAV (GPS) Rwy 23

RNAV (GPS) Rwy 35¹

NA when local weather not available.

¹Cat D 800-2¼.

LANSING, MI

CAPITAL REGION

INTL (LAN).....ILS or LOC Rwy 10R¹

ILS or LOC Rwy 28L¹

RNAV (GPS) Rwy 6²

RNAV (GPS) Rwy 10R²

RNAV (GPS) Rwy 24²

RNAV (GPS) Rwy 28L²

¹LOC Cat D 900-3.

²Cat D 900-3.

LAPEER, MI

DUPONT/LAPEER (D95).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

LUDINGTON, MI

MASON COUNTY (LDM).....RNAV (GPS) Rwy 8

RNAV (GPS) Rwy 26

NA when local weather not available.

Cat D 900-2¼.

NAME ALTERNATE MINIMUMS

SAGINAW, MI (CON'T)

SAGINAW COUNTY/H W

BROWNE (HYX).....RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 28
VOR/DME-A¹

Cat C 900-2½.

¹NA when local weather not available.

SAULT STE MARIE, MI

CHIPPEWA COUNTY

INTL (CIU).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 28
RNAV (GPS) Rwy 34

NA when local weather not available.

SAULT STE MARIE MUNI/SANDERSON

FLD (ANJ).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
VOR Rwy 32

NA when local weather not available.

SOUTH HAVEN, MI

SOUTH HAVEN

AREA RGNL (LWA).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

Cat C 800-2¼, Cat D 800-2½.

SPARTA, MI

PAUL C

MILLER/SPARTA (8D4).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

STURGIS, MI

KIRSCH MUNI (IRS).....NDB Rwy 19
NDB Rwy 24
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.

Cat D 800-2¼.

THREE RIVERS, MI

THREE RIVERS MUNI/

DR HAINES (HAI).....RNAV (GPS) Rwy 27

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

TRAVERSE CITY, MI

CHERRY

CAPITAL (TVC).....ILS or LOC Rwy 10¹²³
ILS or LOC Rwy 28¹²⁴
RNAV (GPS) Rwy 10⁵
RNAV (GPS) Rwy 18¹⁶
RNAV (GPS) Rwy 28¹⁶
RNAV (GPS) Rwy 36¹⁶

¹NA when local weather not available.

²NA when control tower closed.

³LOC Cat A, B 1100-2, Cat C, D 1100-3.

⁴LOC Cat A, B 900-2, Cat C 900-2½, Cat D 1100-3.

⁵Cat A, B 1200-2, Cat C, D 1200-3.

⁶Cat C 900-2½, Cat D 1100-3.

TROY, MI

OAKLAND/TROY (VLL).....RNAV (GPS) Rwy 10

NA when local weather not available.

WEST BRANCH, MI

WEST BRANCH

COMMUNITY (Y31).....RNAV (GPS) Rwy 9¹²
RNAV (GPS) Rwy 27³

¹NA when local weather not available.

²Cat C 800-2¼, Cat D 900-2¼.

³Cat D 900-2¼.