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.

AIRPORT AIRPORT ID PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE
ELMIRA/CORNING RGNL KELM RNAV (GPS) RWY 28 3C ELMIRA/CORNING NY

 AIRPORT ELEVATION
 TDZE
 SUPERSEDED
 ORIGINAL/AMENDMENT
 DATED
 MAG VAR
 EPOCH YEAR

 955
 944
 RNAV (GPS) RWY 28
 3B
 10/16/2014
 12W
 2000

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE RNAV 31 DECEMBER 2020 12/31/2020 CANCEL/SUSPEND

TAA

| FROM | FIX TYPE | TO | FIX TYPE | ALTITUDE |
|---------------------|----------|------------------|----------|----------|
| 1. 191/30 CW 011/30 | NOPT | CEKAN | IAF | 4000 |
| 2. 011/30 CW 191/30 | | 011/10 CW 191/10 | IF/IAF | 4900 |
| 3. 011/10 CW 191/10 | | CEKAN | | 4000 |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | <u>COURSE</u> | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|---------------|----------|----------|
| CEKAN | IF/IAF | FIDON | | TF | FB | 1.00 | 281.49 | 6.00 | 3400 |
| FIDON | FAF | ZIGAN/4.10 NM TO RW28 | | TF | FB | 0.30 | 281.40 | 3.22 | |
| ZIGAN/4.10 NM TO RW28 | | RW28 | MAP | TF | FO | 0.30 | 281.40 | 4.10 | |
| RW28 | MAP | 1355 MSL | | CA | | | 281.40 | | |
| 1355 MSL | | MIXUE | | DF | FO | 1.00 | | | 4000 |

MISSED APPROACH

MAP: LP: RW28 LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT MIXUE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

ONALITY 23 CHECKEP

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PROFILE:

1. PT SIDE OF COURSE **OUTBOUND FT WITHIN MILES OF** (IAF)

2. HOLD E CEKAN, RT, 281.49 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 281.40 FAF: FIDON **DIST FAF TO MAP:** 7.32 **DIST FAF TO THLD: 7.32**

4. MIN ALT: CEKAN 4000, FIDON 3400, ZIGAN/4.10 NM TO RW28 2320

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

6. MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D S OF RWYS 10 AND 28.

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: CIRCLING RWY 10 NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 5 AND 23.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 101.08 INBOUND. CHART FAS OBST: 1237 TOWER 420913N/0765043W. FAS OBST: 1695 AAO 420931N/0764737W. 1720 AAO 420939N/0764710W. CHART VDP AT 1.74 NM TO RW28.

WAAS CHANNEL # 77730 REFERENCE PATH ID: W28A CHART CIRCLING ICON.

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

LTP HAE: 254.8 M

MINIMUMS:

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

ALTERNATE: NA CAT A 1100-2, CAT B 1200-2, CAT C 1200-3, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY: | A | | В | | С | | | D | | | E | | | | |
|------------|--------|------------|---------|--------|------------|---------|--------|------------|---------|--------|------------|---------|--------|------------|----------|
| FINAL TYPE | DA/MDA | <u>VIS</u> | HAT/HAA |
| LP MDA | 1540 | 1 | 596 | 1540 | 1 | 596 | 1540 | 1 3/4 | 596 | 1540 | 1 3/4 | 596 | | | |
| LNAV MDA | 1960 | 1 1/4 | 1016 | 1960 | 1 1/2 | 1016 | 1960 | 3 | 1016 | 1960 | 3 | 1016 | | | |
| CIRCLING | 2020 | 1 1/4 | 1065 | 2080 | 1 1/2 | 1125 | 2100 | 3 | 1145 | 2340 | 3 | 1385 | | | QUALITY. |

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CHANGES - REASONS

- 1. REMOVED DME/DME RNP-0.3 NA NOTE, ADDED RNP APCH TO EQUIPMENT REQUIREMENTS SECTION RNAV APPROACH REQUIRES ANNOTATION OF PBN NAVSPEC.
- 2. CHANGED ALTERNATE MINIMUMS FROM "CAT AB 1200-2, CAT C 1200-3, CAT D 1300-3" TO "CAT A 1100-2, CAT B 1200-2, CAT C 1200-3, CAT D 1400-3" DECREASED CIRCLING CAT A/B/C HAA AND INCREASED CIRCLING CAT D HAA.
- 3. CHANGED CHART NOTE "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" IAW 8260.19H, PARA 8-6-11K(3), 34:1 PENETRATIONS EXIST.
- 4. ADDED "20:1 IS CLEAR" TO 8260.3 LINE 7 IAW 8260.19H, PARA 8-6-7G(3).
- 5. CHANGED "CHART VDP AT 1.75 NM TO RW28" TO "CHART VDP AT 1.74 NM TO RW28" NEW EVALUATION.
- 6. ADDED CHART NOTE: CIRCLING NA TO RWYS 5 AND 23. RUNWAYS 5 AND 23 IDENTIFIED AS TURF RUNWAYS.
- 7. REMOVED ALL NOTES REFERENCING THE BACK-UP ALTIMETER SETTING LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE, NOTES MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
- 8. INCREASED TAA SECTOR 2 ALTITUDE FROM 4100 TO 4900 AND ADDED 10 NM STEPDOWN ARC SEGMENT HAS PRECIPITOUS TERRAIN, FULL ROC REQUIRED, STEPDOWN ARC LOWERED ALTITUDE TO 4000.
- 9. REMOVED 3.11/40.0 VDA FROM ADDITIONAL FLIGHT DATA: ADDED "CHART PROFILE NOTE: VISUAL SEGMENT OBSTACLES" FLIGHT INSPECTION VALIDATION HAS DETERMINED THAT A VDA/TCH MUST NOT BE SPECIFIED ON THE CHART DUE TO OBSTACLES IN VISUAL AREA, IAW 8260.19H PARA 8-6-10P(1).
- 10. INCREASED LNAV MDA/HAT FROM 1880/936 TO 1960/1016 AND INCREASED CAT B VISIBILITY FROM 1 1/4 TO 1 1/2 AND CAT C/D FROM 2 1/2 TO 3 NEW EVALUATION.
- 11. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA; DECREASED CAT A CIRCLING MDA/HAA FROM 2100/1145 TO 2020/1065, CAT B FROM 2100/1145 TO 2080/1125, CAT C FROM 2120/1165 TO 2100/1145; INCREASED CAT D FROM 2160/1205 TO 2340/1385 - NEW EVALUATION, IAW 8260.3D NEW CIRCLING CRITERIA APPLIED.
- 12. ADDED CAT D CIRCLING RESTRICTION PROVIDES OBSTACLE AVOIDANCE TO RESULT IN LOWEST POSSIBLE MDA/HAA.
- 13. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 IAW 8260.19H PARA 8-6-7B (2).
- 14. CHANGED LP FAS OBSTACLE FROM 1238 TOWER 420914N/0765049W TO 1237 TOWER 420939N/0764710W NEW OBSTACLE EVALUATION.
- 15. CHANGED LNAV FAS OBSTACLE FROM 1626 TOWER 420854N/0765132W TO 1695 AAO 420931N/0764737W NEW OBSTACLE EVALUATION, NEW LNAV FAS OBSTACLE IS ALSO LP 7:1 OBSTACLE.
- 16. CHANGED CRC REMAINDER FROM 7CA76B34 TO C8AB8813 FLIGHT CHECK REMOVED THE VDA FROM THIS PROCEDURE DUE TO OBSTACLES.
- 17. ADDED 7:1 OBSTACLE 1720 AAO 420939N/0764710W NEW EVALUATION.

COORDINATED WITH: AAA 🔽 ALBA 🔽

| A4A X ALPA | X AOPA X | APA 🗌 | HAI 🗌 | NBAA X | DAA X OTHER: ELM APP CON, ZNY ARTCC, ZOB ARTCC, ELM ATCT, APT MGR | | | | | | |
|----------------------------------|-------------------------------------|-------|-------|--------|-------------------------------------------------------------------|--------------------|-------------------------------|------------------|--|--|--|
| FLIGHT CHECKED Pending | <u>BY</u> | | | | Digitally signed by DAVID TEFFETELLER Oct 13, 2020 | OFFICE FICO | DATE | | | | |
| DEVELOPED BY DIANE S LAIR | Digitally signed by DIANE S LAIR | | | | | OFFICE AJV-A433 | <u>DATE</u> 02/10/2020 | | | | |
| APPROVED BY GEORGE DAVIS | Jul 07, 2020 | | | | Digitally signed by DAVID TEFFETELLER Oct 13, 2020 | OFFICE AJV-A430 | DATE | TITLE MANAGER | | | |

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FAS DATA BLOCK INFORMATION

DATA DATA FIELD OPERATION TYPE 0 SBAS SERVICE PROVIDER IDENTIFIER 0 AIRPORT IDENTIFIER **KELM RUNWAY** RW28 APPROACH PERFORMANCE DESIGNATOR 0 **ROUTE INDICATOR**

REFERENCE PATH DATA SELECTOR 0

REFERENCE PATH IDENTIFIER (APPROACH ID) W28A

LTP/FTP LATITUDE 420928.6900N LTP/FTP LONGITUDE 0765304.1965W

LTP/FTP ELLIPSOIDAL HEIGHT +02548

420927.5685N FPAP LATITUDE **FPAP LONGITUDE** 0765503.9845W

THRESHOLD CROSSING HEIGHT (TCH) 0.0000 F TCH UNITS SELECTOR (METERS OR FEET USED) **GLIDEPATH ANGLE (GPA)** 00.00 **COURSE WIDTH AT THRESHOLD** 106.75 **LENGTH OFFSET** 1224 **HORIZONTAL ALERT LIMIT (HAL)** 40.0 **VERTICAL ALERT LIMIT (VAL)** 0.0

CRC REMAINDER C8AB8813

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6 LTP ORTHOMETRIC HEIGHT +02877 **FPAP ORTHOMETRIC HEIGHT** +02877