

**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> ELMIRA/CORNING RGNL	<u>AIRPORT ID</u> KELM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> ELMIRA/CORNING	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 955	<u>TDZE</u> 942	<u>SUPERSEDED</u> RNAV (GPS) RWY 10	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 08/21/2014	<u>MAG VAR</u> 12W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> 12/31/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 011/30 CW 191/30	NOPT	011/15 CW 191/15		4500
2. 011/15 CW 191/15		MIXUE	IAF	4000
3. 191/30 CW 011/30		MIXUE	IF/IAF	4100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MIXUE	IF/IAF	HABOM		TF	FB	1.00	101.08	6.00	3400
HABOM	FAF	RW10	MAP	TF	FO	0.30	101.17	6.78	
RW10	MAP	1355 MSL		CA			101.17		
1355 MSL		CEKAN		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW10
LNAV: RW10

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT CEKAN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- 2. HOLD W MIXUE, RT, 101.08 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. FAC: 101.17 FAF: HABOM DIST FAF TO MAP: 6.78 DIST FAF TO THLD: 6.78
- 4. MIN ALT: MIXUE 4000, HABOM 3400
- 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 NOT CLEAR TCH:
- 8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 5 AND 23.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: CIRCLING NA FOR CAT D S OF RWYS 10 AND 28.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 281.49 INBOUND.
 FAS OBST: 1978 AAO 420925N/0765928W.
 WAAS CHANNEL # 70530
 REFERENCE PATH ID: W10A
 CHART CIRCLING ICON.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
 LTP HAE: 251.9 M

MINIMUMS:

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

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

CATEGORY:	A			B			C			D			E		
	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
LP MDA	2280	1 1/4	1338	2280	1 1/2	1338	2280	3	1338	2280	3	1338			
LNAV MDA	2280	1 1/4	1338	2280	1 1/2	1338	2280	3	1338	2280	3	1338			
CIRCLING	2280	1 1/4	1325	2280	1 1/2	1325	2280	3	1325	2340	3	1385			



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 A, B 1500-2, CAT C, D 1500-3" TO "CAT A, B 1400-2, CAT C, D 1400-3" - INCREASED CAT D CIRCLING HAA.
3. CHANGED CHART NOTE "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - IAW 8260.19H, PARA 8-6-11K(3), 20:1 PENETRATIONS EXIST.
4. ADDED "20:1 IS NOT CLEAR" TO 8260.3 LINE 7 - IAW 8260.19H, PARA 8-6-7G(3).
5. CHANGED CHART NOTE: NIGHT LANDING: RWY 10 NA TO PROCEDURE NA AT NIGHT - IAW 8260.19H, PARA 8-6-11O(2)A.
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. REMOVED HABOM TO RW10: 3.35/55 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).
9. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA; INCREASED CAT D CIRCLING CMDA/HAA FROM 2280/1325 TO 2340/1385 - NEW EVALUATION, IAW 8260.3D NEW CIRCLING CRITERIA APPLIED.
10. ADDED CAT D CIRCLING RESTRICTION - PROVIDES OBSTACLE AVOIDANCE TO RESULT IN LOWEST POSSIBLE MDA/HAA.
11. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - IAW 8260.19H PARA 8-6-7B (2).
12. CHANGED CRC REMAINDER FROM CA876443 TO BECDBDF7 - FLIGHT CHECK REMOVED THE VDA FROM THIS PROCEDURE DUE TO OBSTACLES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ELM APP CON, ZNY ARTCC, ZOB ARTCC, ELM ATCT, APT MGR

FLIGHT CHECKED BY

Pending

Digitally signed by
DAVID TEFFETELLER
Oct 13, 2020

OFFICE
FICO

DATE

DEVELOPED BY

DIANE S LAIR

Digitally signed by
DIANE S LAIR
Jul 08, 2020

OFFICE
AJV-A433

DATE

APPROVED BY

LONNIE EVERHART

Digitally signed by
DAVID TEFFETELLER
Oct 13, 2020

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KELM
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	420928.0685N
LTP/FTP LONGITUDE	0765410.6060W
LTP/FTP ELLIPSOIDAL HEIGHT	+02519
FPAP LATITUDE	420929.1870N
FPAP LONGITUDE	0765210.8175W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BECDBDF7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02848
FPAP ORTHOMETRIC HEIGHT	+02848