

**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> KROW	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 21	<u>ORIGINAL/AMENDMENT</u> 18C	<u>CITY</u> ROSWELL	<u>STATE</u> NM		
<u>AIRPORT ELEVATION</u> 3671	<u>TDZE</u> 3633	<u>SUPERSEDED</u> ILS OR LOC RWY 21	<u>ORIGINAL/AMENDMENT</u> 18B	<u>DATED</u> 07/16/2020	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> I-ROW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES** [THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 22-23.](#)

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ONSOM/INT		TOPAN LOM/I-ROW 7.02 DME	FAF/IAF				250.50	15.90	6000
CME VORTAC		TOPAN LOM/I-ROW 7.02 DME					067.43	9.15	6000
IPNUC/CME 17.00 DME CCW	IAF	FRAIZ/I-ROW 15.48 DME	NOPT				17.00 DME ARC (CME LR-058)		5600
WOKUM/CME 17.00 DME CCW	IAF	FRAIZ/I-ROW 15.48 DME	NOPT				17.00 DME ARC (CME LR-058)		5600
JOGPO/CME 17.00 DME CW	IAF	KUZIJ/CME 17.00 DME	NOPT				17.00 DME ARC		6000
KUZIJ/CME 17.00 DME CW		FRAIZ/I-ROW 15.48 DME					17.00 DME ARC (CME LR-044)		5600
FRAIZ/I-ROW 15.48 DME	IF	TOPAN LOM/I-ROW 7.02 DME					215.14	8.46 (I-ROW)	5100

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 4.58 NM AFTER TOPAN LOM/I-ROW 7.02 DME OR AT I-ROW 2.43 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 6000 ON CME VORTAC R-195 TO CME VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 6000 DIRECT TOPAN LOM /I-ROW 7.02 DME AND HOLD: (ADF REQUIRED).



PROFILE:

1. PT L SIDE OF COURSE 035.14 OUTBOUND 5600 FT WITHIN 10 MILES OF TOPAN LOM (IAF)

2.

3. FAF: 215.14 FAF: TOPAN LOM/I-ROW 7.02 DME DIST FAF TO MAP: 4.58 DIST FAF TO THLD: 4.58

4. MIN ALT: TOPAN LOM/I-ROW 7.02 DME 5100

5. DIST TO THLD FROM OM: 4.58 MM: IM: 150 HAT: GS ANT: 1201

6. MIN GS INCPT: 5100 GS ALT AT PFAF : GP INTCP 5100 OM: 5018 MM: IM:

7. GS ANGLE: 2.70 34:1 20:1 TCH: 60.8

8. MSA FROM: TOPAN LOM 360-180 5400, 180-360 6400

EQUIPMENT REQUIREMENTS NOTES

ADF OR DME REQUIRED

NOTES:

CHART PROFILE NOTE: USE I-ROW DME WHEN ON THE LOCALIZER COURSE.  
CHART NOTE: VDP NA WHEN USING ARTESIA ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARTESIA ALTIMETER SETTING: INCREASE DA TO 3913 FEET; INCREASE ALL MDAS 80 FEET AND S-LOC 21 VISIBILITY CAT C/D 3/8 SM AND CIRCLING VISIBILITY CAT D 1/4 SM  
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ARTESIA ALTIMETER SETTING, INCREASE ILS ALL CATS VISIBILITY TO 7/8 SM AND LOC CATS C/D TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE TOPAN LOM /I-ROW 7.02 DME.  
HOLD W, RT, 098.00 INBOUND.  
FAS OBST: 3759 AAO 332109N/1042747W.  
CHART VDP AT 3.49 DME  
DISTANCE VDP TO THLD 1.05 NM.  
CHART CME R-151 AT IPNUC.  
CHART CME R-109 AT WOKUM.  
CHART CME R-308 AT JOGPO.  
CHART CME R-032 AT KUZIJ.  
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA

☐

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
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
S-ILS 21	3833	1/2	200	3833	1/2	200	3833	1/2	200	3833	1/2	200			
S-LOC 21	4020	1/2	387	4020	1/2	387	4020	5/8	387	4020	5/8	387			
CIRCLING	4140	1	469	4140	1	469	4140	1 1/2	469	4300	2	629			



**CHANGES - REASONS**

1. ADDED CHART CIRCLING ICON - IAW 8260.19I, PARA 8-6-10.S.
2. CHANGED PROCEDURE NAME FROM ILS OR LOC RWY 21 TO ILS Z OR LOC Z RWY 21- IAW 8260.3E, PARA 1-6-2, D(4).
3. INCREASED CIRCLING CAT D FROM MDA 4240/HAA 569 TO MDA 4300/HAA 629 - APPLIED 8260.3E, NEW CIRCLING CRITERIA, NEW CONTROLLING OBSTACLE.
4. CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 6000 ON CME VORTAC R-195 TO CME VORTAC AND HOLD" TO "CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 6000 ON CME VORTAC R-195 TO CME VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000" - IAW 8260.19I, PARA 8-6-6.G(1).
5. CHANGED ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARTESIA ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND ALL MDA 100 FEET; INCREASE LOC CATS C AND D VISIBILITY 3/8 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARTESIA ALTIMETER SETTING: INCREASE DA TO 3913 FEET; INCREASE ALL MDAS 80 FEET AND S-LOC 21 VISIBILITY CAT C/D 3/8 SM AND CIRCLING VISIBILITY CAT D 1/4 SM" - NEW TARGETS EVALUATION.
6. CHANGED INOPERATIVE NOTE FROM "FOR INOPERATIVE MALSR WHEN USING ARTESIA ALTIMETER SETTING, INCREASE ILS ALL CATS VISIBILITY TO 1 AND LOC CATS C AND D TO 1 3/8" TO "FOR INOPERATIVE ALS WHEN USING ARTESIA ALTIMETER SETTING, INCREASE ILS ALL CATS VISIBILITY TO 7/8 SM AND LOC CATS C/D TO 1 3/8 SM" - NEW TARGETS EVALUATION.
7. CHANGED MSA FACILITY FROM RO LOM TO RO NDB - IAW 8260.19I, 8-7-1.B(24).
8. DELETED ADDITIONAL FLIGHT DATA: CHART ASR - IAW 8260.19I, 1-1-5.F CHAPTER 8(16)
9. DELETED ADDITIONAL FLIGHT DATA: \*LOC ONLY AND "" FROM "CHART VDP AT 3.49 DME\* - 8260.19I, PARA 8-6-10.M, MEMO (ADDED 12/21/2020).
10. REMOVED "CHART PLANVIEW NOTE: ADF OR DME REQUIRED" AND ADDED EQUIPMENT REQUIREMENTS NOTE "ADF OR DME REQUIRED" - IAW 8260.19I, PARA 8-6-8.A.
11. CHANGED ALTERNATE MINIMUMS FROM "NA" TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED - IAW 8260.19I, PARA 8-6-11.B(4).
12. INCORPORATED CHANGES FROM P-NOTAMS FOR AMDT 18A/18B INTO FORM - IAW 8260.19I, PARA 8-3-4.C(3).

09/27/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/31/22.

1. PROFILE SECTION LINE 8 MSA CHANGED FROM RO NDB 360-180 5400, 180-360 6400 TO TOPAN LOM 360-180 5400, 180-360 6400.

09/28/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/31/22.

1. FIXED TYPO BETWEEN MSA AND NOTES SECTIONS..

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HA** ☐ **NBA** ☒ **OTHER:** ZAB, ROW APP CON, ROW ATCT, AMGR, ST. AV. DIV.

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

*Digitally signed by*

**DEVELOPED BY**

ANDRE MARSH

**ANDRE L MARSH**

Sep 27, 2022

*Digitally signed by*

**APPROVED BY**

MARLON ROBINSON

**JASON KRETSCHMER**

Sep 27, 2022

**OFFICE**

*Digitally signed by*

**DATE**

**JASON KRETSCHMER**

Sep 27, 2022

**OFFICE**

AJV-A421

**DATE**

05/12/2022

**OFFICE**

AJV-A420

**DATE**

**TITLE  
MANAGER**