

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23

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> KALS	<u>PROCEDURE NAME</u> VOR-B	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> ALAMOSA	<u>STATE</u> CO		
<u>AIRPORT ELEVATION</u> 7540	<u>TDZE</u>	<u>SUPERSEDED</u> VOR/DME-B	<u>ORIGINAL/AMENDMENT</u> 5	<u>DATED</u> 04/03/2014	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> ALS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 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 22-06 AND AS A CORRECTED COPY IN TL 22-07.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ALS VORTAC		DANNE/ALS 17.00 DME					321.91	17.00 (ALS)	10000
TUYPI/ALS 40.00 DME		TUZDO/ALS 30.00 DME					182.00	10.00 (ALS R-002)	16500
TUZDO/ALS 30.00 DME		EKSUW/ALS 17.00 DME					182.00	13.00 (ALS R-002)	13100
CONHI/ALS 17.00 DME CCW	IAF	UJYOY/ALS 17.00 DME	NOPT				17.00 DME ARC		15900
UJYOY/ALS 17.00 DME CCW	IAF	EKSUW/ALS 17.00 DME	NOPT				17.00 DME ARC		13100
EKSUW/ALS 17.00 DME CCW	IAF	DANNE/ALS 17.00 DME	NOPT				17.00 DME ARC		10000
ICORY/ALS 29.50 DME	IAF	DANNE/ALS 17.00 DME	NOPT				186.78 & 141.91	186.78/2.98 (HDG) & 141.91/10.32 (ALS R-322)	10000
DANNE/ALS 17.00 DME	IF/IAF	EKULY/11.00 DME					141.91	6.00 (ALS R-322)	9100

MISSED APPROACH

MAP:

CUXAM/ALS 6.09 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 11000 DIRECT ALS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW DANNE, RT, 141.91 INBOUND, 10000 FT. IN LIEU OF PT (IAF), MAX 17500.
3. FAC: 141.91 FAF: EKULY/11.00 DME DIST FAF TO MAP: 4.91 DIST FAF TO THLD:
4. MIN ALT: DANNE/ALS 17.00 DME 10000, EKULY/11.00 DME 9100 ←
8. MSA FROM: ALS VORTAC 070-160 13300, 160-250 12600, 250-340 13800, 340-070 15600

QUALITY
18
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RADAR REQUIRED FOR ARRIVALS AT TUYPI.

NOTES:

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD NW, RT, 141.91 INBOUND.
FAS OBST: 7764 AAO 373009N/1055518W.
CHART ALS R-067 AT CONHI.
CHART ALS R-021 AT UJYOY.
CHART ALS R-002 AT EKSUW.
FAC CROSSES MIDPOINT OF RWY 2-20.

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

ALTERNATE: NA ☐ STANDARD

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
CIRCLING	8040	1	500	8040	1	500	8080	1 1/2	540	8100	2	560			



CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 7539 TO 7540 - NEW SURVEY.
2. TERMINAL ROUTES: ADDED FEEDER SEGMENT ALS VORTAC TO DANNE: ALS VORTAC TO DANNE/ALS 17.00 DME COURSE 321.91 DISTANCE 17.00 (ALS) ALTITUDE 11000 - ATC REQUEST.
3. TERMINAL ROUTES: CHANGED FEEDER SEGMENT TUZDO TO EKSUW: ALTITUDE CHANGED FROM 13000 TO 13100 - FPT/ATC REQUEST.
4. TERMINAL ROUTES: CHANGED INITIAL ARC SEGMENT FROM CONHI TO UJYOY: ALTITUDE CHANGED FROM 15800 TO 15900 - NEW PRECIPITOUS TERRAIN ADJUSTMENT.
5. TERMINAL ROUTES: CHANGED INITIAL ARC SEGMENT UJYOY TO EKSUW: ALTITUDE CHANGED FROM 13000 TO 13100 - NEW PRECIPITOUS TERRAIN ADJUSTMENT/MAINTAIN DESCENT GRADIENT.
6. TERMINAL ROUTES: CHANGED INITIAL SEGMENT FROM ICORY TO DANNE: COURSE/DISTANCE CHANGED FROM "200.00/2.47 (HDG) & 141.91/11.11 (ALSR-322)" TO "186.78/2.98 (HDG) & 141.91/10.32 (ALS R-322)" - FIX DANNE MOVED.
7. FIX DANNE LATITUDE/LONGITUDE CHANGED FROM 373622.11N/1055800.56W TO 373621.49N/1055800.22W - MOVED FIX 69.48 FEET SOUTH TO MAINTAIN 17.00 NM ARC - NEW COURSE REQUIRED.
8. FIX CUXAM MISSED APPROACH POINT CHANGED FROM "CUXAM/ALS 6.11 DME" TO "CUXAM/ALS 6.09 DME"- FIX MOVED 0.02NM/117.4 FEET SOUTHWEST - NEW FAC.
9. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 10700 DIRECT ALS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10700" TO "CLIMB TO 11000 DIRECT ALS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000." - ATC REQUEST.
10. PROFILE LINE 2: ADDED MAX 17500 - CRITERIA UPDATE .191 8-6-7. B. (2).
11. PROFILE LINE 4: MINIMUM ALTITUDES CHANGED FROM "DANNE 10000, EKULY 9100" TO "DANNE/ALS 17.00 DME 10000, EKULY/ALS 11.00 DME 9100" - FIX DEFINED BY DME PER 8260.191, 2-10-1.
12. EQUIPMENT REQUIREMENTS NOTES: CHANGED "DME OR RADAR REQUIRED" TO "DME REQUIRED" - RADAR REQUIRED AT TUYPI IN PLAN VIEW/RADAR NOT REQUIRED AT OTHER ENTRY POINTS.
13. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM "FAS OBST: 7764 AAO 372947N/1055606W" TO "7764 AAO 373009N/1055518W" - NEW MAP STUDY.
14. ADDITIONAL FLIGHT DATA: REMOVED 7769 AAO 373046N/1055612W - NEW MAP STUDY.
15. ADDITIONAL FLIGHT DATA: REMOVED "CHART (CFFMD) AT INTERSECTION OF ICORY DR LEG AND INTERMEDIATE COURSE" - NO LONGER CHARTING CNF FIXES.
16. MINIMUMS: CIRCLING CATS A/B - MDA CHANGED FROM 501 TO 500 - NEW SURVEY ELEVATION.
17. MINIMUMS: CIRCLING CAT C - MDA CHANGED FROM 541 TO 540 - NEW SURVEY ELEVATION.
18. MINIMUMS: CIRCLING CAT D - MDA CHANGED FROM 561 TO 560 - NEW SURVEY ELEVATION.
19. MINIMUMS: CHANGED ALTERNATE MINIMUMS FROM NA TO STANDARD AND ADDED NA - WHEN LOCAL WEATHER NOT AVAILABLE- PUBLISHED MINIMUMS ARE LESS THAN 800-2/NO SUITABLE BACK-UP ALTIMETR AVAILABLE.
20. NOTES: REMOVED CHART NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA - LOCAL WEATHER ON WMSCR.

1/18/2022: CORRECTED COPY OF THE FORM APPROVED ON 10/01/2021

1. PROFILE LINE 4: ADDED EKULY/ALS 11.00 DME 9100

2/2/2022: CORRECTED COPY OF THE FORM APPROVED ON 10/01/2021

1. NOTES: REMOVED "CHART (ICORY) AT INTERSECTION OF ICORY DR LEG AND INTERMEDIATE COURSE." - SIAP AUTO-GENERATED NOTE THAT IS N/A.

COORDINATED WITH:A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, AMGR**FLIGHT CHECKED BY**

JEFFREY JAMES SCORSE

Digitally signed by

JON DENTON

Feb 03, 2022

OFFICE

FIOG

DATE

11/09/2021

DEVELOPED BY

APRIL SARMENTO

Digitally signed by

APRIL T SARMENTO

Feb 02, 2022

OFFICE

AJV-A432

DATE

08/04/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Feb 03, 2022

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

