

**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> KALS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> ALAMOSA	<u>STATE</u> CO		
<u>AIRPORT ELEVATION</u> 7540	<u>TDZE</u> 7540	<u>SUPERSEDED</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-VQR	<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

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ALS VORTAC		RODDS INT/ALS 14.02 DME					219.00	14.02	12200
LYSSA/ALS 14.02 DME CW	IAF	RODDS INT/ALS 14.02 DME	NOPT				14.02 DME ARC (ALS LR-210)		12200
WAPRE INT/ALS 20.00 DME	IAF	RODDS INT/ALS 14.02 DME	NOPT				039.00	5.98 (ALS R-219)	12200
RODDS INT/ALS 14.02 DME	IF/IAF	KROWZ INT					022.77	8.04 (I-VQR)	9900
KROWZ INT		BREZE INT					022.77	2.10 (I-VQR)	9300

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.38 NM AFTER BREZE INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 8700 THEN CLIMBING RIGHT TURN 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 SW RODDS, RT, 039.00 INBOUND, 12200 FT. IN LIEU OF PT (IAF), MAX 14000.
3. FAC: 022.77FAF: BREZE INTDIST FAF TO MAP: 5.38DIST FAF TO THLD: 5.38
4. MIN ALT:RODDS INT/ALS 14.02 DME 12200, KROWZ INT 9900, BREZE INT 9300, XOGSY INT 8040
5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT: 950
6. MIN GS INCPT: 9300GS ALT AT PFAF : BREZE INT 9300OM:MM:IM:
7. GP ANGLE: 3.0034:1:20:1:TCH: 48.1
8. MSA FROM:ALS VORTAC 070-160 13300, 160-250 12600, 250-340 13800, 340-070 15600

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAPRE ON V368 SOUTHWEST BOUND.
CHART NOTE: FOR INOP ALS, INCREASE S-LOC 2 CATS C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 142.00 INBOUND.
CHART FAS OBST: 7629 TREE (08-075946) 372410N/1055332W.
CHART ALS R-173 AT LYSSA.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☒

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 2	7740	1/2	200	7740	1/2	200	7740	1/2	200	7740	1/2	200			
S-LOC 2	8040	1/2	500	8040	1/2	500	8040	1	500	8040	1	500			
CIRCLING	8040	1	500	8040	1	500	8080	1 1/2	540	8100	2	560			
XOGSY FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 2	7880	1/2	340	7880	1/2	340	7880	1/2	340	7880	1/2	340			
CIRCLING	8040	1	500	8040	1	500	8080	1 1/2	540	8100	2	560			



CHANGES - REASONS

1. AIRPORT ELEVATION AND TOUCHDOWN ZONE ELEVATION CHANGED FROM 7539 TO 7540 - NEW SURVEY.
2. TERMINAL ROUTES: CHANGED INTERMEDIATE SEGMENT RODDS TO KROWZ - COURSE/DISTANCE/ALTITUDE CHANGED FROM "022.76/7.84/9800" TO "022.77/8.04/9900" - MOVED WAYPOINT KROWZ (COURSE/DISTANCE) AND NEW OBSTACLES/MAINTAIN CONTINUOUS DESCENT ANGLE (ALTITUDE).
3. TERMINAL ROUTES: CHANGED INTERMEDIATE SEGMENT KROWZ TO BREZE - COURSE/DISTANCE CHANGED FROM "022.76/2.30" TO "022.77/2.10" - MOVED FIX KROWZ.
4. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 8700 THEN CLIMBING RIGHT TURN TO 10000 DIRECT ALS VORTAC AND HOLD" TO "CLIMB TO 8700 THEN CLIMBING RIGHT TURN TO 11000 DIRECT ALS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11000" - NEW CONTROLLING OBSTACLE.
5. PROFILE LINE 2: ADDED MAX 14000 - COURSE CHANGE/CRITERIA UPDATE .191 8-6-7. B. (2).
6. PROFILE LINE 3: FAC CHANGED FROM 022.76 TO 022.77 - COURSE CHANGE.
7. PROFILE LINE 4: MINIMUM ALTITUDES CHANGED FROM "RODDS 12200, KROWZ 9800, BREZE 9300, XOGSY INT 8140" TO "RODDS INT/ALS 14.02 DME 12200, KROWZ INT 9900, BREZE INT 9300, XOGSY INT 8040" AND REMOVED *LOC ONLY FROM NOTES - RAISED ALTITUDES TO MAINTAIN CONTINUOUS DESCENT/NEW CRITERIA.
8. PROFILE LINE 5: CHANGED DIST TO THLD FROM GS ANT FROM 948 TO 950 - NEW SURVEY.
9. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAPRE ON V368 SOUTHWEST BOUND - TURN EXCEEDS 120 DEGREES.
10. NOTES: ADDED "WHEN LOCAL ALTIMETER NOT RECEIVED, PROCEDURE NA" - NO BACK-UP ALTIMETER.
11. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM "CHART FAS OBST: 7554 ANT 372519N/1055235W" TO "CHART FAS OBST: 7629 TREE (08-075946) 372410N/1055332W" - NEW CONTROLLING OBSTACLE/SURVEY.
12. LANDING MINIMUMS: ILS - ALL CATS DA CHANGED FROM 7739 TO 7740 - NEW SURVEY.
13. LANDING MINIMUMS: S-LOC 2 - ALL CATS HAT (NO SDF RECEIVED) CHANGED FROM "501" TO "500" - NEW SURVEY/DID NOT INCORPORATE NOTAM 0/0562 S-LOC 2 MDA REMARK - NA.
14. LANDING MINIMUMS: CIRCLING (NO SDF RECEIVED) CHANGED CATS A/B HAA FROM "501" TO "500", CAT C HAT CHANGED FROM "541" TO "540", CAT D HAT CHANGED FROM "561" TO "560" - NEW SURVEY/DID NOT INCORPORATE NOTAM 0/0562 CIRCLING REMARK - THE CONTROLLING OBSTACLE LISTED IN NOTAM IS NOT THE CONTROLLER.
15. LANDING MINIMUMS: CHANGED XOGSY FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED) - S-LOC 2 ALL CATS MDA/HAT FROM "7820/281" TO "7880/340" - NEW CONTROLLING OBSTACLES.
16. LANDING MINIMUMS: CHANGED XOGSY FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED) CIRCLING MINIMUMS - CHANGED CATS A/B HAA FROM "501" TO "500", CHANGED CAT C HAA FROM "541" TO "540" AND CHANGED CAT D HAA FROM "561" TO "560" - NEW SURVEY/DID NOT INCORPORATE NOTAM 0/0562 CIRCLING REMARK - THE CONTROLLING OBSTACLE LISTED IN NOTAM IS NOT THE CONTROLLER.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV, AMGR

Digitally signed by

JON DENTON

Nov 10, 2021

OFFICE

FPO

DATE

10/25/2021

FLIGHT CHECKED BY

GARY J VEER

Digitally signed by

APRIL T SARMENTO

Sep 28, 2021

OFFICE

AJV-A432

DATE

07/30/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Nov 10, 2021

OFFICE

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DATE

TITLE
MANAGER

QUALITY
8
CHECKED