

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</u> METROPOLITAN OAKLAND INTL	<u>AIRPORT ID</u> KOAK	<u>PROCEDURE NAME</u> ILS OR LOC RWY 12 ILS RWY 12 (SA CAT I)	<u>ORIGINAL/AMENDMENT</u> 8B	<u>CITY</u> OAKLAND	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 9	<u>TDZE</u> 9	<u>SUPERSEDED</u> ILS OR LOC RWY 12 ILS RWY 12 (SA CAT I)	<u>ORIGINAL/AMENDMENT</u> 8A	<u>DATED</u> 09/15/2016	<u>MAG VAR</u> 14E
<u>FACILITY</u> I-AAZ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

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>
RAIDR	IAF	ALCAT		TF	FB	1.00	138.35	12.40	2900
ALCAT INT/OAK 12.53 DME	IF	PLAZA INT/OAK 6.45 DME					115.99	6.10 (I-AAZ)	1800

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.95 NM AFTER PLAZA INT/OAK 6.45 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB ON HEADING 115.99 AND ON OAK VOR/DME R-131 TO CROSS HISIS/OAK 2.77 DME AT OR BELOW 1600 THEN CLIMB TO 5100 ON HEADING 090 AND ON OAK VOR/DME R-114 TO DECOT INT/OAK 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB ON HEADING 115.99 AND ON OAK VOR/DME R-131 TO CROSS HISIS/OAK 2.77 DME AT OR BELOW 1600 THEN CLIMB TO 4000 DIRECT SJC VOR/DME AND HOLD.

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ALCAT INT/OAK 12.53 DME
- FAC:** 115.99 **FAF:** PLAZA INT/OAK 6.45 DME **DIST FAF TO MAP:** 5.95 **DIST FAF TO THLD:** 5.95
- MIN ALT:** ALCAT INT/OAK 12.53 DME 2900, PLAZA INT/OAK 6.45 DME 1800
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** 1988 **GS ANT:** 1145
- MIN GS INCPT:** 1800 **GS ALT AT FAF :** PLAZA INT/OAK 6.45 DME 1800 **OM:** **MM:** **IM:**
- GP ANGLE:** 2.75 **34:1:** **20:1:** **TCH:** 55.0
- MSA FROM:** OAK VOR/DME 170-350 3800, 350-170 5100

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
FROM RAIDR: RNAV 1-GPS REQUIRED.



NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 12: CAT A, B, C, D RA 153, RVR 1400, HAT 150, DA 159 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 1800 AT PLAZA.
CHART IN PLANVIEW: ALTERNATE MA HOLDING HOLD E, SJC VOR/DME, LT, 286.00 INBOUND
CHART CIRCLING ICON.
CHART MAXIMUM 1600 AT HISIS.
CHART MANDATORY 5000 AT RAIDR
CHART IN PLANVIEW: SJC VOR/DME.
CHART FAS OBST: 208 SHIP 374500N/1221700W.
HOLD SE, LT, 293.73 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - CAT C 700-2, CAT D 1400-3; LOC: STANDARD - CAT D 1400-3

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 12**	209	2400	200	209	2400	200	209	2400	200	209	2400	200			
S-LOC 12	460	2400	451	460	2400	451	460	4500	451	460	4500	451			
CIRCLING	560	1	551	560	1	551	660	1 3/4	651	1400	3	1391			

CHANGES - REASONS

1. EQUIPMENT REQUIREMENTS NOTES SECTION: ADDED DME REQUIRED AND FROM RAIDR: RNAV 1-GPS REQUIRED - REQUIRED DOCUMENTATION.
2. NOTES SECTION SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED NOTE: CHANGED RVR 2400 TO READ RVR 1400 - MINIMUM RVR BASED ON HAT PER CRITERIA.
3. NOTES SECTION: REMOVED CHART NOTE: DME REQUIRED AND CHART PLANVIEW NOTE: GPS REQUIRED - MOVED TO EQUIPMENT REQUIREMENTS NOTES SECTION.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOA, OAK ATCT, NORCAL APP CON, AMGR, ATA

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

Digitally signed by
MICHAEL R. GARRITY JR. **MICHAEL GARRITY**

APPROVED BY

Dec 13, 2019
MARLON ROBINSON
Digitally signed by
DAVID DANNER
Dec 31, 2019

OFFICE

Digitally signed by
DAVID DANNER

OFFICE

Dec 31, 2019
AJV-A423

OFFICE

AJV-A420

DATE

DATE

Dec 31, 2019
11/13/2019

DATE

TITLE
MANAGER

