

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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>		<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
MERCED RGNL/MACREADY FIELD		KMCE	LOC BC RWY 12	11	MERCED	CA
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
155	155	LOC BC RWY 12	10F	08/21/2014	15E	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>		<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
I-MCE			15 AUGUST 2019	ROUTINE		

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>
MOD VOR/DME	IAF	AJOJO/I-MCE 11.50 DME/RADAR					113.96	17.46	2000
AJOJO/I-MCE 11.50 DME/RADAR	IF	CAZAR/I-MCE 5.50 DME/RADAR					123.49	6.00 (I-MCE)	2000

MISSED APPROACH

MAP:

5.00 NM AFTER CAZAR/I-MCE 5.50 DME/RADAR OR AT REFER/0.50 DME FIX

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MOD VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT HYP VOR/DME AND HOLD.

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT AJOJO
3. **FAC:** 123.49 **FAF:** CAZAR/I-MCE 5.50 DME/RADAR **DIST FAF TO MAP:** 5.00 **DIST FAF TO THLD:** 5.63
4. **MIN ALT:** AJOJO/I-MCE 11.50 DME/RADAR 2000, CAZAR/I-MCE 5.50 DME/RADAR 2000, ZIPTO/I-MCE 2.17 DME 640
8. **MSA FROM:** HYP VOR/DME 080-170 3300, 170-260 2200, 260-350 3000, 350-080 5600

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.
CHART NOTE: CIRCLING NA NE OF RWY 12-30.

QUALITY
23
CHECKED

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW AT AJOJO: MOD VOR/DME 17.46 DME
 HOLD NW, RT, 113.96 INBOUND
 CHART CIRCLING ICON.
 CAZAR TO RW12: 3.00/52.6.
 CHART VDP AT 0.85 DME
 DISTANCE VDP TO THLD 0.98 NM
 CHART FAS OBST: 255 TOWER 371936N/1203316W.

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-12	640	1	485	640	1	485	640	1 3/8	485	640	1 3/8	485			
CIRCLING	640	1	485	640	1	485	640	1 1/2	485	720	2	565			
ZIPTO FIX MINIMUMS															
S-12	520	1	365		NA			NA			NA				
CIRCLING	560	1	405	620	1	465	620	1 1/2	465	720	2	565			

CHANGES - REASONS

1. REMOVED TERMINAL ROUTE MOD VOR/DME TO CAZAR. - SPLIT INTO TWO TERMINAL ROUTES.
2. ADDED TERMINAL ROUTES MOD VOR/DME TO AJOJO AND AJOJO TO CAZAR. - AT REQUEST OF ATC/FPT.
3. CHANGED MAP FROM 4.40 NM AFTER CAZAR/I-MCE 4.90 DME/RADAR OR AT I-MCE 0.50 DME TO 5.00 NM AFTER CAZAR/I-MCE 5.50 DME/RADAR OR AT REFER/I-MCE 0.50 DME. - MAP NOT COLOCATED WITH THRESHOLD, REQUIRED TO BE A NAMED FIX.
4. CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 2000 VIA HYP VOR/DME R-292 TO HYP VOR/DME AND HOLD TO CLIMB TO 1000 THEN CLIMBING RIGHT TURN DIRECT MOD VOR/DME AND HOLD. - AS PER REQUEST OF ATC.
5. ON LINE 3 OF PROFILE SECTION, CHANGED DIST FAF TO MAP FROM 4.40 TO 5.00 AND DIST FAF TO THLD FROM 5.03 TO 5.63. - FAF MOVED AS PER ATC REQUEST.
6. CHANGED LINE 4 FROM "CAZAR 2000" TO "AJOJO/I-MCE 11.50 DME/RADAR 2000, CAZAR/I-MCE 5.50 DME/RADAR 2000, ZIPTO/I-MCE 2.17 DME 640. - ADDED INTERMEDIATE AND STEPDOWN SEGMENTS AT THE REQUEST OF ATC AND TO RETAIN CURRENT MINIMA.
7. ADDED ALTERNATE MISSED APPROACH OF CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT HYP VOR/DME AND HOLD. - IAW 8260.19H, WHEN INSTRUMENT PROCEDURE NAVIGATION FACILITIES DIFFER FOR THE FINAL AND MISSED APPROACH COURSES, AN ALTERNATE MISSED APPROACH PROCEDURE SHOULD BE ESTABLISHED.
8. ADDED CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 34:1 VISUAL SURFACE PENETRATION EXISTS.
9. REMOVED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. - VGSI AND DESCENT ANGLES NOW COINCIDENT.
10. CHANGED CHART NOTE FROM CIRCLING NA NORTHEAST OF RWY 12-30 TO AVOID CITY OF MERCED TO CIRCLING NA NE OF RWY 12-30. - WORDING UPDATED IAW 8260.19H PARA 8-6-110(5)
11. REMOVED ADDITIONAL FLIGHT DATA NOTE CHART APT ELEV:155. - ELEVATION CAPTURED ELSEWHERE ON FORM; NOTE NO LONGER NECESSARY IN ORDER FOR APT ELEV TO BE CHARTED.
12. ADDED ADDITIONAL FLIGHT DATA NOTE: CHART CIRCLING ICON. - NEW CIRCLING CRITERIA/RADII APPLIED.
13. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CAZAR TO RWY 2: 3.37/47 TO CAZAR TO RWY 12: 3.00/52.6. - ADJUSTED TO MATCH VGSI.
14. ADDED ADDITIONAL FLIGHT DATA NOTE: CHART VDP AT 0.85 DME AND DISTANCE VDP TO THLD 0.98 NM. - AMENDMENT 11 IS FIRST FULL AMENDMENT/PROCEDURE REDESIGN SINCE COMMISSIONING OF KMCE ASOS AS LOCAL WX SOURCE.
15. CHANGED FAS OBST NOTE FROM CHART FAS OBST: 269 TREE 100' 372059N/1203438W TO CHART FAS OBST: 255 TOWER 371936N/1203316W. - NEW CONTROLLING OBSTACLE.
16. CHANGED S-12 MINIMA FROM ONE LINE TO TWO LINES; ONE LINE WITH SDF AND ONE LINE WITHOUT SDF. - ADDED SDF ZIPTO TO FINAL.
17. ADDED S-12 LINE OF MINIMA WITH MDA/HAT OF 640/485 AND CAT A/B VIS OF 1 SM, CAT C VIS 1 1/2, CAT D VISIBILITY OF 2SM. - LINE OF MINIMA FOR USE WITHOUT SDF ZIPTO.
18. ADDED S-12 ZIPTO FIX MINIMA WITH MDA/HAT OF 520/365 AND VISIBILITY OF 1 SM. - LINE OF MINIMA FOR USE WITH SDF ZIPTO.

6/27/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/17/19.

1. ADDED "HOLD NW, RT, 113.96 INBOUND" TO ADDITIONAL FLIGHT DATA.

COORDINATED WITH:

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

FLIGHT CHECKED BY

THOMAS EDWARD MOLOKIE

Digitally signed by
CASIMIR L TABAKA

Jun 28, 2019

OFFICE

FIOG

DATE

06/19/2019

DEVELOPED BY

JOSHUA LEETE

Digitally signed by
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Jun 28, 2019

OFFICE

AJV-A422

DATE

12/20/2018

APPROVED BY

MARLON ROBINSON

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Jun 28, 2019

OFFICE

AJV-A420

DATE

TITLE
MANAGER

QUALITY
23
CHECKED