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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
IPL	VOR-A	5	IMPERIAL	CA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
-54		VOR OR GPS-A	4C	04/21/2022	14E	1980

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
IPL			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ARGUS/IPL 10.00 DME	IF	IPL VORTAC	NOPT				254.31	10.00	1700

MISSED APPROACH

MAP:

5.78 NM AFTER IPL VORTAC OR AT MAJGY/IPL 5.78 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2000 DIRECT IPL VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD E IPL VORTAC, RT, 254.31 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 32000.
3. FAC: 311.24 **FAF:** IPL VORTAC **DIST FAF TO MAP:** 5.78 **DIST FAF TO THLD:**
4. MIN ALT: IPL VORTAC 1700
8. MSA FROM: IPL VORTAC 130-315 6800, 315-130 2400

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR PROCEDURE ENTRY AT ARGUS.

NOTES:

CHART NOTE: CIRCLING TO RWY 32 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

ADDITIONAL FLIGHT DATA:

CHART U.S. - MEXICAN BORDER

CHART FAS OBST: 245 ANTENNA (06-146065) 324824N/1153247W.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
IPL	VOR-A	5	IMPERIAL	CA

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	500	1	554	500	1	554	560	1 3/4	614	560	2	614			

CHANGES - REASONS

1. PROCEDURE NAME CHANGED FROM “VOR OR GPS-A” TO “VOR-A” – FPT REQUEST; IAW MEMORANDUM DATED 25 AUG, 2000 TITLED “REMOVING “OR GPS” FROM PROCEDURE TITLES.
2. INCORPORATED P-NOTAM AMENDMENTS: AMDT 4A/ NOTAM 8/8271, AMDT 4B/ NOTAM 1/9434, AMDT 4C/ NOTAM 2/9141.
3. AIRPORT ELEVATION UPDATED FROM “-56” TO “-54” - PER 06/21/2018 AIRPORT SURVEY.
4. TERMINAL ROUTES: UPDATED ARGUS FIX TYPE FROM “IAF” TO “IF” – STAND-ALONE IF USED TO ALLOW NOPT TRANSITION TO FINAL APPROACH FROM ARGUS.
5. MAP: MAP CHANGED FROM “5.7 MILES AFTER IPL VORTAC OR AT 5.7 DME” TO “5.78 NM AFTER IPL VORTAC OR AT MAJGY/IPL 5.78 DME” – MAP LOCATION ADJUSTED TO BE CIRCLING ALIGNED PER FPT DIRECTION, NAMED FIX PREVIOUSLY ADDED BUT NOT DOCUMENTED.
6. MISSED APPROACH: CHANGED FROM “CLIMBING RIGHT TURN TO 2000 DIRECT IPL VORTAC AND HOLD” TO “CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2000 DIRECT IPL VORTAC AND HOLD” – INSTRUCTIONS ADJUSTED PER FPT TO ELIMINATE CIH REQUIREMENT.
7. PROFILE LINE 2: ADDED “MAX 32000” - IAW 8260.19I PARA 8-6-7.B.(2).
8. PROFILE LINE 3. UPDATED FAC FROM “313” TO “311.24” – FPT DIRECTED CIRCLING ALIGNMENT WITH ARP IAW 8260.3E 5-2-4.A.(1).(B).
9. PROFILE LINE 3: UPDATED DIST FAF TO MAP FROM “5.70” TO “5.78” - MAP LOCATION ADJUSTED TO BE CIRCLING ALIGNED PER FPT DIRECTION.
10. PROFILE LINE 3: DELETED “DIST FAF TO THLD: 5.70” – N/A FOR CIRCLING ALIGNED PROCEDURES.
11. PROFILE LINE 8: UPDATED MSA SECTOR 130-315 FROM “6600” TO “6700” AND SECTOR 315-130 FROM “2200” TO “2300” – NEW CONTROLLING OBSTACLES DUE TO UPDATED TERRAIN DATA.
12. EQUIPMENT REQUIREMENTS NOTES: ADDED “DME REQUIRED FOR PROCEDURE ENTRY AT ARGUS” – IAW 8260.19I 8-6-8.A.(1); MODIFICATION MADE TO BETTER DESCRIBE ENTRY AT ARGUS, ENTRY AT IPL HILO-PT DOES NOT REQUIRE DME SO STANDARD NOTE DOES NOT APPLY.
13. NOTES: ADDED “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA” – IAW 8260.19I 8-6-9.F.(4); NO SUITABLE BACKUP ALTIMETER SOURCE EXISTS.
14. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM “199 TWR 324828/1153221” TO “245 ANTENNA (06-146065) 324824N/1153247W” – NEW CONTROLLING OBSTACLE IN FINAL SEGMENT; FORMAT UPDATED.
15. ADDITIONAL FLIGHT DATA: DELETED “FAC ALIGNED TO RWY 32 THLD” - CHANGED TO “FAC AIMING AT ARP (325003.20N/1153443.50W)” AND MOVED TO -9 IN GENERAL REMARKS IAW 8260.19I 8-7-1.C.(9).
16. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM “DEPICT U.S. - MEXICAN BORDER” TO “CHART U.S. - MEXICAN BORDER” – IAW 8260.19I 8-6-10.
17. MINIMUMS: UPDATED CAT A AND B CMDA/HAA FROM “560/614” TO “500/554” – CMDA LOWERED PER FPT REQUEST AND UPDATED CONTROLLING OBSTACLES.

4/10/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/15/23.

1. PROFILE LINE 8: UPDATED MSA FROM “IPL VORTAC 130-315 6700, 315-130 2300” TO “IPL VORTAC 130-315 6800, 315-130 2400” - CONTROLLING OBSTACLE LOCATION, ELEVATION, AND ACCURACY CODE ADJUSTED FOR UPDATED DIGITAL TERRAIN MODEL IN EVALUATION SOFTWARE.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
IPL	VOR-A	5	IMPERIAL	CA

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLA, SAN FSS, IPL AMGR

FLIGHT CHECKED BY	OFFICE	DATE	
JEFFREY ECKMAN	FIOG	06/27/2024	*Digitally signed by* ***ALLAN WILL*** Sep 16, 2024

DEVELOPED BY	OFFICE	DATE	
ALLAN WILL (COLIN CAMPBELL)	AJV-A423	08/15/2023	*Digitally signed by* ***ALLAN WILL*** Sep 16, 2024

APPROVED BY	OFFICE	DATE		TITLE
ALLAN WILL	AJV-A423	07/11/2024	*Digitally signed by* ***ALLAN WILL*** Sep 16, 2024	MANAGER

QUALITY 10 CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
IPL	VOR-A	5	IMPERIAL	CA	-54	IPL

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM
ARGUS/IPL 10.00 DME

TO
IPL VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	10.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	324112.00N/1151900.00W	253	164	98	4E	500				AC98 AT849	1700
TERRAIN	324112.00N/1151903.00W	49 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM
IPL VORTAC

TO
5.78 NM AFTER IPL VORTAC OR AT MAJGY/IPL 5.78 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.78		5.78 NM AFTER IPL VORTAC OR AT MAJGY/IPL 5.78 DME		

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
ANTENNA (06-146065)	324823.65N/1153246.80W	245	20	3	1A	250					500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
IPL	VOR-A	5	IMPERIAL	CA	-54	IPL

HOLD-IN-LIEU OF PT

FROM	TO
IPL VORTAC	P-4

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-4			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (06-002439)	324815.00N/1153015.00W	259	250	50	4D	1000					1300
TERRAIN	324257.00N/1152324.00W	45 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM	TO
5.78 NM AFTER IPL VORTAC OR AT MAJGY/IPL 5.78 DME	IPL VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					250

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (06-002439)	324815.00N/1153015.00W	259	250	50	4D	1000					1300
TERRAIN	324342.00N/1153742.00W	9 (0)								AS1500	1500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
IPL	VOR-A	5	IMPERIAL	CA	-54	IPL

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
ANTENNA (06-094714)	324927.98N/1153313.81W	1.30	554	123	20	3	1A	300		SI	500
CATEGORY B											
ANTENNA (06-094714)	324927.98N/1153313.81W	1.80	554	123	20	3	1A	300		SI	500
CATEGORY C											
TOWER (06-020137)	324824.20N/1153246.98W	2.83	614	245	50	20	2C	300			560
CATEGORY D											
TOWER (06-020137)	324824.20N/1153246.98W	3.70	614	245	50	20	2C	300			560

CIRCLING REMARKS:

MSA

CENTER	RADIUS
IPL VORTAC	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
130-315	AAO	322703.00N/1155503.00W	215	27.4	5735	215	8	4B	1000			6800
315-130	AAO	331027.00N/1151436.00W	014	28.8	1375	215	8	4B	1000			2400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
IPL	VOR-A	5	IMPERIAL	CA	-54	IPL

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SAN FSS, ZLA ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	IPL	24	IPL	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

NO SUITABLE BACKUP ALTIMETER SOURCE EXISTS PER FPT.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
IPL VORTAC	POCC	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW08 - MIRL (PCL), PAPI-4L	BSC-G	
RW26 - MIRL (PCL), PAPI-4L	BSC-G	
RW14 - MIRL (PCL), PAPI-4L	NPI-G	
RW32 - MIRL (PCL), PAPI-4L	NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD ☐ FT FROM THRESHOLD DISPLACED THRESHOLD DISTANCE

ON CENTERLINE ☐ FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING: RW 32
20:1	
-38 TRAVERSE WAY (06-146132) 324943.02N/1153412.08W (1.35)	
PENETRATIONS REMARKS:	

QUALITY 10 CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - CIRCLING ALIGNED PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

MAX VEGETATION HEIGHT 100 FT PER FPT.

FAC AIMING AT ARP (325003.20N/1153443.50W).

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	MAP	**TO 1000FT POINT**	3.45
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	2.23
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	325.24
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	0
DISTANCE FROM	MAP	**TO 1500FT POINT**	5.38
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	2.04
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	325.24
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	0

THRESHOLD COORDINATES (IF STR-IN)	
ARP COORDINATES	325003.20N/1153443.50W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 8 DISTANCE 0.59 NM
FAF COORDINATES	324455.92N/1153030.90W
FIX NAME COORDINATES	MAP MAJGY 324941.39N/1153425.55W

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (COLIN CAMPBELL)	AJV-A423	08/15/2023	AERONAUTICAL INFORMATION SPECIALIST

QUALITY 10 CHECKED