

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STREL	FOUR	STREL4.STREL	THREE	18 SEP 2014	20 AUG 2015

TYPE: SID RNAV

DP ROUTE DESCRIPTION:

TAKEOFF RUNWAY 20R: CLIMB HEADING 195.92 TO INTERCEPT COURSE 174.99 TO TOING, THEN ON DEPICTED ROUTE TO PIGGN, THENCE...

...VIA (TRANSITION). MAINTAIN ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
IMPERIAL	STREL4.IPL	PIGGN	JARDO	TRACK 090.99	11.13	6000		
		JARDO	PILLO	TRACK 126.72	61.23	8800		
		PILLO	IPL VORTAC	TRACK 079.26	48.59	8800		
THERMAL	STREL4.TRM	PIGGN	TRM VORTAC	TRACK 075.32	66.36	10000		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

- RWY 20R: STANDARD.
- NOTE: RADAR REQUIRED.
- NOTE: DME/DME/IRU OR GPS REQUIRED.
- NOTE: RNAV 1.
- NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY
- NOTE: AIRCRAFT MAY BE RADAR VECTORED TO DANAH OR PIGGN

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 20R, POLE AND TREES BEGINNING 204 FT FROM DER, 490 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/91 FT MSL. WSK ON HANGAR 536 FT FROM DER, 605 FT LEFT OF CENTERLINE, 40 FT AGL/92 FT MSL. POLES AND TREES BEGINNING 808 FT FROM DER, 489 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/108 FT MSL. TREE 1574 FT FROM DER, 765 FT LEFT OF CENTERLINE, 60 FT AGL/113 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:



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ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KSNA 12E EPOCH YR: 2015
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: TOP ALTITUDE: ASSIGNED BY ATC

AIRPORTS SERVED:

JOHN WAYNE AIRPORT-ORANGE COUNTY

SANTA ANA, CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON (EAST) (WEST), SOCAL DEP CON

FIXES AND/OR NAVAIDS:

STREL, TANGL, SHIRR, DANAH.

REMARKS:



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CHANGES:

ADDED: CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REASONS:

ATC REQUEST.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date				
STREL	FOUR	STREL4.STREL	THREE	18 SEP 2014	20 AUG 2015				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW20R (AER)	334053.93N/1175154.21W	N	-	-	-	-			
	333839.84N/1175319.16W	-	-	VI	207.92	2.52			VI/CF PERMITTED (DO NOT CHART DIST)
TOING	333709.20N/1175332.45W	Y	FO	CF	186.99	1.52			FO WP IS AN ATC OPERATIONAL REQUIREMENT
STREL	333417.50N/1175357.60W	Y	FB	TF	186.99	2.88	1400B5000		RECOMMENDED NAVAID ELB VOR/DME
TANGL	333027.00N/1175133.00W	Y	FB	TF	152.27	4.33			
SHIRR	332830.00N/1174630.00W	Y	FB	TF	114.72	4.65	AT/ABOVE 7000		
DANAH	332851.62N/1174154.15W	Y	FB	TF	084.64	3.86			
PIGGN	333500.00N/1172900.00W	Y	FB	TF	060.34	12.40			
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-			STREL4.IPL
JARDO	333228.85N/1171601.21W	Y	FB	TF	102.99	11.13			
PILLO	324613.39N/1162806.86W	Y	FB	TF	138.72	61.23			
IPL VORTAC	324455.92N/1153030.90W	Y	FB	TF	091.26	48.59			
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-			STREL4.TRM
TRM VORTAC	333741.14N/1160936.71W	Y	FB	TF	087.32	66.36			

