

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
ST. JOHNS, AZ	ST. JOHNS INDUSTRIAL AIRPARK	10 NOVEMBER 2016	1B

TAKEOFF MINIMUMS:

RWY 3, 32, 14: STANDARD.

RWY 21: 700-2 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 378 FT PER NM TO 6600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3, 32: CLIMBING RIGHT TURN.

RWY 14, 21: CLIMBING LEFT TURN.

ALL AIRCRAFT CLIMB DIRECT SJN VORTAC. AIRCRAFT DEPARTING SJN VORTAC R-240 CW TO R-080 CLIMB ON COURSE. ALL OTHERS CONTINUE CLIMB IN SJN VORTAC HOLDING PATTERN (HOLD NE, RIGHT TURNS, 239.00 INBOUND) TO CROSS SJN VORTAC AT OR ABOVE 9000.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 03, SIGN 15 FT FROM DER, 125 FT LEFT OF CENTERLINE, 3 FT AGL/5736 FT MSL.

NOTE: RWY 14, VEHICLE ON ROAD 1 FT FROM DER, 113 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/5750 FT MSL. TREE, FENCE, POST, OBSTRUCTION LIGHT ON BLDG, ANT ON BLDG AND TRANSMISSION LINE TWR BEGINNING 27 FT FROM DER, 94 FT LEFT OF CENTERLINE, UP TO 5780 FT MSL. ARPT BEACON LIGHTED, TOWER, POLE, WINDSOCK, BLDG, OBSTRUCTION LIGHT ON BLDG, LIGHT POLE, TRANSMISSION LIGHT TWR AND TREE, BEGINNING 58 FT FROM DER, 88 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/5793 FT MSL. VEHICLE ON ROAD 67 FT FROM DER, CROSSING CENTERLINE, 15 FT AGL/5752 FT MSL. TREES AND POLES BEGINNING 515 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/5784 FT MSL. VEHICLE ON ROAD 559 FT FROM DER, CROSSING CENTERLINE, 15 FT AGL/5762 FT MSL.

NOTE: RWY 32, VEHICLE ON ROAD AND GEN UTILITY BEGINNING 34 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/5745 FT MSL. GEN UTILITY 40 FT FROM DER, 79 FT LEFT OF CENTERLINE, 10 FT AGL/5736 FT MSL. VEHICLE ON ROAD 102 FT FROM DER, CROSSING CENTERLINE, 15 FT AGL/5741 FT MSL. BLDGS BEGINNING 201 FT FROM DER, 327 FT LEFT OF CENTERLINE UP TO 5743 FT MSL. POLE 307 FT FROM DER, 570 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/5757 FT MSL.

NOTE: RWY 21, TREE AND FENCE 15 FT FROM DER, 248 FT LEFT OF CENTERLINE, 5767 FT MSL. TREES AND BLDGS BEGINNING 23 FT FROM DER, 276 FT RIGHT OF CENTERLINE, UP TO 5798 FT MSL. TREES BEGINNING 92 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 5778 FT MSL. FENCE BEGINNING 208 FT FROM DER, CROSSING CENTERLINE, UP TO 5738 FT MSL. VEHICLES ON ROAD 265 FT FROM DER, CROSSING CENTERLINE, 15 FT AGL/5756 FT MSL. TREES, BLDGS, SIGNS AND POLES BEGINNING 285 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 5781 FT MSL. TREES, BLDGS, SIGNS AND POLES BEGINNING 597 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 5780 FT MSL. TREES, BLDGS AND POLES BEGINNING 808 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 5833 FT MSL. TREES, BLDGS AND POLES BEGINNING 867 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 5788 FT MSL. TREES BEGINNING 1257 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 5816 FT MSL. BLDGS, POLES AND TREES BEGINNING 3704 FT FROM DER, 662 FT RIGHT OF CENTERLINE, UP TO 5914 FT MSL. POLES BEGINNING 3491 FT FROM DER, 1293 FT LEFT OF CENTERLINE, UP TO 5872 FT MSL. COMMUNICATIONS TOWER 2.2 NM FROM DER, 1415 FT LEFT OF CENTERLINE, 199 FT AGL/6356 FT MSL. POLE 2.2 NM FROM DER, 1467 FT LEFT OF CENTERLINE, 31 FT AGL/6133 FT MSL.

CONTROLLING OBSTACLES:

RWY 21: 6356 FT MSL TOWER 342849.91N-1092423.11W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 6133 FT MSL POLE 342849.43N-1092423.09W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 3, 32, 14, 21** - 10277 FT MSL TOWER 340634.33N-1093429.10W.

QUALITY
3
CHECKED

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REMARKS:

FLIGHT INSPECTED BY:

ALEX KRAUSE *Digitally signed by*
 DONALD H LANIER
 Sep 26, 2016

OFFICE SYMBOL:
FIOG

DATE:
09/20/2016

DEVELOPED BY:

ALAN WILL (IVAN BLANCO) *Digitally signed by*
 IVAN BLANCO
 Aug 26, 2016

OFFICE SYMBOL:
AJV-5432

DATE:

APPROVED BY:

LONNIE EVERHART *Digitally signed by*
 DONALD H LANIER
 Sep 26, 2016

OFFICE SYMBOL:
AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

PRC FSS, AMGR.

CHANGES - REASONS:

1. CHANGED RWY 21 TAKEOFF MINIMUMS FROM 400-2 OR STANDARD WITH A MINIMUM CLIMB OF 205 FT PER NM TO 700-2 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 378 FT PER NM TO 6600 - NEW OBSTACLE 6356 FT MSL TOWER 342849.91N-1092423.11W (2015-AWP-11199-OE).
2. ADDED LOW CLOSE-IN OBSTACLES TO ALL RUNWAYS - VG SURVEY 02/28/2011.
3. CHANGED RWY 21 CONTROLLING OBSTALCE FROM 6099 FT KNOLL TO 6356 FT MSL TOWER 342849.91N-1092423.11W - NEW OBSTACLE (2015-AWP-11199-OE).
4. IDENTIFIED AND ADDED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT - REQUIRED BY CURRENT CRITERIA.
5. CHANGED CLIMB IN-HOLDING PATTERN DIRECTION FROM SW TO NE AND INBOUND COURSE FROM 059 TO 239 - TO MAINTAIN 9000 MINIMUM HOLDING ALTITUDE.
6. RECREATED ALL MAPS - REQUIRED MAPS WERE MISSING.

QUALITY
3
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