

**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.

| <u>CITY, STATE</u> | <u>AIRPORT</u> | <u>EFFECTIVE DATE</u> | <u>AMDT NO</u> |
|--------------------|----------------|-----------------------|----------------|
| BYRON, CA | BYRON | 17 AUGUST 2017 | 2 |

TAKEOFF MINIMUMS:

RWY 23: NA - OBSTACLES

RWY 5, 12: STANDARD

RWY 30: 200-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5: CLIMBING LEFT TURN HEADING 010, THENCE...

RWY 12: CLIMBING LEFT TURN HEADING 360, THENCE...

RWY 30: CLIMBING RIGHT TURN HEADING 065, THENCE...

...ON LIN VOR/DME R-227 TO LIN VOR/DME BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5: BUSH 18 FT FROM DER, 68 FT RIGHT OF CENTERLINE, 52 FT MSL.

NOTE: RWY 12: TREE 495 FT FROM DER, 421 FT RIGHT OF CENTERLINE, 76 FT MSL.

NOTE: RWY 30: BLDG 65 FT FROM DER, 390 FT LEFT OF CENTERLINE, 28 FT AGL/90 FT MSL.

POLE 948 FT FROM DER, 455 FT RIGHT OF CENTERLINE, 32 FT AGL/89 FT MSL.

POLE 1159 FT FROM DER, 239 FT RIGHT OF CENTERLINE, 38 FT AGL/98 FT MSL.

POLE 1363 FT FROM DER, 28 FT RIGHT OF CENTERLINE, 35 FT AGL/101 FT MSL.

POLE 1591 FT FROM DER, 256 FT LEFT OF CENTERLINE, 35 FT AGL/123 FT MSL.

POLES BEGINNING 1709 FT FROM DER, 386 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/125 FT MSL.

GROUND 5649 FT FROM DER, 1838 FT LEFT OF CENTERLINE, 225 FT MSL.

CONTROLLING OBSTACLES:

RWY 30: 225 FT MSL GROUND 375033.31N/1213856.79W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 5, 12: 1139 FT MSL WINDMILL 374748.40N/1213847.94W, 3902 FT MSL TOWER 375254.00N/1215454.00W.

RWY 30: 1744 FT MSL WINDMILL 374704.88N/1214124.59W, 3902 FT MSL TOWER 375254.00N/1215454.00W.

REMARKS:

ACTUAL REQUIRED CLIMB GRADIENT 241 FT PER NM WAS ROUNDED UP TO 245 FT PER NM.

FLIGHT INSPECTED BY: *Digitally signed by*
CHARLES D. CUNNINGHAM **DONALD H LANIER**
Mar 28, 2017

OFFICE SYMBOL: FICO
DATE: 03/24/2017

DEVELOPED BY:
COLTON CROWDER COLTON M CROWDER *Digitally signed by COLTON M CROWDER*
Date: 2017.01.31 07:11:17 -06'00'

OFFICE SYMBOL: AJV-5431
DATE: 01/31/2017

APPROVED BY: *Digitally signed by*
PATRICK MULQUEEN **DONALD H LANIER**
Mar 28, 2017

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 checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

OTHER:

NORCAL APP/CON, ZOA, AIRPORT MANAGER



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CHANGES - REASONS:

CHANGES:

1. RWY 5 DEPARTURE INSTRUCTIONS CHANGED FROM "CLIMBING RIGHT TURN VIA HEADING 120 AND ECA VORTAC BEFORE PROCEEDING ON COURSE." TO "CLIMBING LEFT TURN HEADING 010, THENCE...ON LIN VOR/DME R-227 TO LIN VOR/DME BEFORE PROCEEDING ON COURSE."
2. RWY 12 DEPARTURE INSTRUCTIONS CHANGED FROM "CLIMBING LEFT TURN VIA HEADING 050 AND ECA VORTAC R-250 TO ECA VORTAC BEFORE PROCEEDING ON COURSE." TO "CLIMBING LEFT TURN HEADING 360, THENCE...ON LIN VOR/DME R-227 TO LIN VOR/DME BEFORE PROCEEDING ON COURSE."
3. RWY 30 TAKEOFF MINIMUMS CHANGED FROM "200-1 OR STD. WITH A MIN CLIMB OF 240' PER NM TO 300. ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200'/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000' PRIOR TO DER." TO "200-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER."
4. RWY 30 DEPARTURE INSTRUCTIONS CHANGED FROM "CLIMBING RIGHT TURN VIA HEADING 130 AND ECA VORTAC R-250 TO ECA VORTAC BEFORE PROCEEDING ON COURSE." TO "RWY 30, CLIMBING RIGHT TURN HEADING 065, THENCE...ON LIN VOR/DME R-227 TO LIN VOR/DME BEFORE PROCEEDING ON COURSE."
5. TAKEOFF NOTES REVISED.
6. UPDATED CONTROLLING OBSTACLE AND ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT

REASONS:

- 1, 2, 4. MANTECA (ECA) VORTAC DECOMMISSIONED.
3. NEW CONTROLLING OBSTACLE.
5. TARGETS AND OBSTACLE GROUPER TOOL UTILIZED FOR DEPARTURE ANALYSIS.
6. UPDATED PROCEDURE EVALUATION PER 8260.46F DOCUMENTATION CRITERIA.

