

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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 ID</u> O28	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WILLITS	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 2066	<u>TDZE</u> 2066	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 11/05/2020	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 055/30 CW 235/30	NOPT	055/10 CW 235/10		9800
2. 055/10 CW 235/10		NEAPO	IF/IAF	6700
3. 235/30 CW 325/30		XUGME	IAF	9600
4. 325/30 CW 055/30		ZONJO	IAF	6500

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>
XUGME	IAF	NEAPO	NOPT	TF	FB	1.00	235.08	7.88	6000
ZONJO	IAF	NEAPO	NOPT	TF	FB	1.00	054.88	7.50	6000
NEAPO	IF/IAF	ADBAW		TF	FB	1.00	144.98	4.05	4800
ADBAW		LEFOR		TF	FB	1.00	145.00	2.99	4000
LEFOR	FAF	GRAIE	MAP	TF	FO	0.30	144.98	5.46	
GRAIE	MAP	2466 MSL		CA			144.98		
2466 MSL		HERMT		DF	FO	1.00			6000

QUALITY
10
CHECKED

MISSED APPROACH**MAP:**

LNAV: GRAIE

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT HERMT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NW NEAPO, RT, 144.98 INBOUND, 6000 FT. IN LIEU OF PT (IF/IAF), MAX 14000.					
3. FAC:	144.98	FAF: LEFOR		DIST FAF TO MAP: 5.46	DIST FAF TO THLD: 5.95
4. MIN ALT:	NEAPO 6000, ADBAW 4800, LEFOR 4000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF :			OM:	MM: IM:
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS NOT CLEAR	TCH:		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: CIRCLING NA W OF RWY 16-34.

CHART NOTE: USE UKIAH ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.25 DEGREES.

CHART UKIAH ASOS.

HOLD S, RT, 339.24 INBOUND.

FAS OBST: 3016 AAO 393239N/1232330W.

CHART MAXWELL 1 MOA.

CHART MAXWELL 2 MOA.

CHART MAXWELL 3 MOA.

FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.

CHART CIRCLING ICON.

LEFOR TO RW16: 3.00/40.



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
LNAV MDA	3620	1 1/4	1554	3620	1 1/2	1554	3620	3	1554		NA				
CIRCLING	3620	1 1/4	1554	3620	1 1/2	1554	3620	3	1554		NA				

CHANGES - REASONS

1. UPDATED TERMINAL ROUTE XUGME TO NEAPO FROM COURSE 235.04, DISTANCE 8.00 TO COURSE 235.08, DISTANCE 7.88. - NEW NEAPO POSITION, PROPER ALIGNMENT FOR TAAS.
2. UPDATED TERMINAL ROUTE ZONOJ TO NEAPO FROM COURSE 054.87, DISTANCE 5.00 TO COURSE 054.88, DISTANCE 7.50. - NEW NEAPO POSITION, PROPER ALIGNMENT FOR TAAS, 8260.19I COMPLIANCE.
3. UPDATED TERMINAL ROUTE NEAPO TO ADBAW COURSE 144.94 TO COURSE 144.98. - NEW NEAPO POSITION.
4. UPDATED TERMINAL ROUTE ADBAW TO LEFOR COURSE 144.96, DISTANCE 3.00 TO COURSE 145, DISTANCE 2.99. - NEW NEAPO AND LEFOR POSITIONS.
5. UPDATED TERMINAL ROUTE LEFOR TO RWY 16 MAP COURSE 144.97 TO LEFOR TO GRAIE MAP COURSE 144.98.- NEW POSITION OF LEFOR, 8260.19I COMPLIANCE FOR OFFSET.
6. UPDATED TERMINAL ROUTE 2463 TO HULDI TO 2466 TO HERMT. - NEW MISSED APPROACH.
7. FIX GRAIE WAS ADDED AS THE MAP. - 8260.19I COMPLIANCE FOR OFFSET APPROACH.
8. UPDATED LNAV MDA/HAT FROM 3680/1617 TO 3620/1554. - UPDATED OBSTACLE ASSESSMENT.
9. UPDATED CIRCLING MDA/HAT FROM 3680/1617 TO 3620/1554. - BASED ON UPDATED STRAIGHT IN MDA/HAT.
10. MISSED APPROACH CHANGED FROM CLIMB TO 6000 DIRECT HULDI AND ON TRACK 154 TO ENI VORTAC AND HOLD TO CLIMB TO 6000 DIRECT HERMT AND HOLD. - ATC REQUEST.
11. UPDATED CHART NOTE FROM CHART NOTE: CIRCLING NA WEST OF RWY 16/34 TO CHART NOTE: CIRCLING NA W OF RWY 16-34. - 8260.19I COMPLIANCE.
12. ADDED CHART UKIAH ASOS TO ADDITIONAL FLIGHT DATA. - 8260.19I COMPLIANCE.
13. ADDED 20:1 IS NOT CLEAR TO PROFILE. - 8260.19I COMPLIANCE.
14. UPDATED FAS OBSTACLE FROM 3359 AAO 393129N/1232208W TO 3016 AAO 393239N/1232330W. - NEW OBSTACLE.
15. REPLACED HOLDING IN ADDITIONAL FLIGHT DATA HOLD S, RT, 022.00 INBOUND TO HOLD S, RT, 339.24 INBOUND. - NEW HOLDING.
16. REPLACED CHART NOTE DME/DME RNP-0.3 NA WITH RNP APCH-GPS EQUIPMENT/REQUIREMENTS NOTE.
17. CHANGED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. TO RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 8260.19I COMPLIANCE.
18. ADDED FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD TO ADDITIONAL FLIGHT DATA. - 8260.19I COMPLIANCE.
19. UPDATED CHART NOTE: USE UKIAH ALTIMETER SETTING TO CHART NOTE: USE UKIAH ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.
20. UPDATED LEFT BASE TAA 235/30 CW 325/30 TO XUGME ALTITUDE FROM 9700 TO 9600. - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOA ARTCC APP/DEP CON, AMGR**FLIGHT CHECKED BY**

SCOTT A THOMPSON

Digitally signed by

JON DENTON

Sep 27, 2021

OFFICE

FPO

DATE

09/23/2021

DEVELOPED BY

DONALD H. LANIER (JOHN KEEFER)

Digitally signed by

JON DENTON

Sep 27, 2021

OFFICE

AJV-A432

DATE

07/13/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Sep 27, 2021

OFFICE

AJV-A430

DATE**TITLE**
MANAGERQUALITY
10
CHECKED