

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.29

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 YAKIMA AIR TERMINAL/MCALLISTER FIELD	AIRPORT ID KYKM	PROCEDURE NAME ILS OR LOC RWY 27	ORIGINAL/AMENDMENT 1	CITY YAKIMA	STATE WA
AIRPORT ELEVATION 1099	TDZE 1068	SUPERSEDED ILS Y RWY 27	ORIGINAL/AMENDMENT ORIG-B	DATED 04/05/2012	MAG VAR 16E
FACILITY I-YKM	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 20 JUNE 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 2010

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SELAH INT/YKM VORTAC 8.97 DME		YKM VORTAC					130.01	8.97	5500
YKM VORTAC		XOWLO/I-YKM 9.89 DME					105.14	5.41	5000
SUNED INT/YKM VORTAC 26.03 DME	IAF	OPISE/I-YKM 17.61 DME	NOPT				321.00 & 274.00	9.00 (HDG) & 5.10 (I-YKM)	5000
MARRK INT/YKM VORTAC 20.85 DME	IAF	OPISE/I-YKM 17.61 DME	NOPT				226.00 & 274.00	3.03 (HDG) & 5.90 (I-YKM)	5000
WIKIK/YKM VORTAC 13.00 DME CCW	IAF	OPISE/I-YKM 17.61 DME	NOPT				13.00 DME ARC (YKM LR-105)		5000
CIDOG/YKM VORTAC 13.00 DME CW	IAF	FITIM/YKM VORTAC 13.00 DME	NOPT				13.00 DME ARC		6000
FITIM/YKM VORTAC 13.00 DME CW		OPISE/I-YKM 17.61 DME					13.00 DME ARC (YKM LR-086)		5000
OPISE/I-YKM 17.61 DME	IF	ZITLU/I-YKM 12.43 DME					274.00	5.18 (I-YKM)	4000
ZITLU/I-YKM 12.43 DME		XOWLO/I-YKM 9.89 DME					274.00	2.54 (I-YKM)	3800

MISSED APPROACH

MAP:

ILS: DA
LOC: I-YKM 1.43 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2900 THEN CLIMBING RIGHT TURN TO 4900 DIRECT YKM VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900.
#MISSED APPROACH REQUIRES MINIMUM CLIMB OF 275 FEET PER NM TO 3600.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 4900 ON HEADING 140 FOR RADAR VECTORS (RADAR REQUIRED). #MISSED APPROACH REQUIRES MINIMUM CLIMB OF 319 FEET PER NM TO 3700.



PROFILE:

- 1. **PT R SIDE OF COURSE** 094.00 **OUTBOUND** 4300 **FT WITHIN** 10 **MILES OF** XOWLO/I-YKM LOC/DME 9.89 DME (IAF)
- 2.
- 3. **FAC:** 274.00 **FAF:** XOWLO/I-YKM 9.89 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 8.46
- 4. **MIN ALT:** ZITLU/I-YKM 12.43 DME 4000, XOWLO/I-YKM 9.89 DME 3800, FIGRU/I-YKM 6.68 DME 2780*, CISUS/I-YKM 5.12 DME 2280*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 990
- 6. **MIN GS INCPT:** 3800 **GS ALT AT FAF :** XOWLO/I-YKM 9.89 DME 3800 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.9
- 8. **MSA FROM:** YKM VORTAC 160-340 8000, 340-160 5400

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR PROCEDURE ENTRY.
DME REQUIRED FOR LOC ONLY.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: #RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART NOTE: CIRCLING NA S OF RWYS 9 AND 27.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 27 CATS C/D VISIBILITY TO 2 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 27 ALL CATS VISIBILITY TO 1 7/8 SM.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1100 TRANSMISSION_LINE 4633518N/1203054W
CHART: MAX 6000 AT XOWLO
2392 AAO 463120N/1202005W, 2140 AAO 463106N-1202430W, 1940 AAO 463150N/1202642W
CHART CIRCLING ICON.
CHART YKM R-221 AT WIKIK.
CHART YKM R-338 AT CIDOG.
CHART YKM R-075 AT FITIM.
CHART R-6714A, B, C, D
CHART VDP AT 3.54 DME*
DISTANCE VDP TO THLD 2.11 NM
* LOC ONLY
HOLD E, LT, 288.00 INBOUND



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

ALTERNATE: NA LOC: STANDARD - CAT C 900-2 1/2, CAT D 1200-3

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
S-ILS 27#	1268	2400	200	1268	2400	200	1268	2400	200	1268	2400	200				
S-ILS 27	1713	1 3/8	645	1713	1 3/8	645	1713	1 3/8	645	1713	1 3/8	645				
S-LOC 27	1780	2400	712	1780	2400	712	1780	1 5/8	712	1780	1 5/8	712				
CIRCLING	1780	1	681	1780	1	681	1940	2 1/2	841	2280	3	1181				

CHANGES - REASONS

1. RENAMED PROCEDURE FROM "ILS Y RYW 27" TO "ILS OR LOC RWY 27" - COMBINED "ILS Y" AND "ILS Z" PROCEDURES TO RWY 27.
2. ADDED "DME REQUIRED FOR LOC ONLY" AND "DME REQUIRED FOR PROCEDURE ENTRY" TO EQUIPMENT REQUIREMENTS NOTES - 8260.19H CHAPTER 8.
3. REMOVED "DONNY LOM" FROM PROCEDURE - DONNY LOM DECOMMISSIONED.
4. CHANGED MSA NAVAID FROM "YK LOM" TO "YKM VOR/DME" - DONNY LOM DECOMMISSIONED.
5. CHANGED 160-340 MSA SECTOR FROM "7400" TO "8000" - NEW OBSTACLE ANALYSIS.
7. ADDED NEW 3800 FT PFAF "XOWLO" - ATC REQUEST AND DONNY LOM DECOMMISSIONED.
8. CHANGED PROCEDURE TCH FROM "56.20" TO "55.97"- ATC REQUESTED, PENDING GS DATA USED.
9. ADDED CIRCLING LINE OF MINIMUS - ATC REQUESTED.
10. ADDED NEW FIX "FIGRU" TO ESTABLISH STEPDOWN - TO ACHIEVE LOWEST MINIMA.
11. PROCEDURE TURN SEGMENT CHANGED FROM "DONNY LOM" TO "XOWLO" - DONNY LOM DECOMMISSIONED.
12. FEEDER SEGMENT CHANGED FROM "DONNY LOM" TO "XOWLO" - DONNY LOM DECOMMISSIONED.
13. MISSED APPROACH INSTRUCTIONS CHANGED TO READ "CLIMB TO 2900 THEN CLIMBING RIGHT TURN TO 4900 DIRECT YKM VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900." - CLIMB IN HOLD EVALUATION INDICATES NEED FOR HIGHER MA HOLDING ALTITUDE.
14. ALTERNATE MISSED APPROACH INSTRUCTIONS CHANGED TO READ "CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 4900 ON HEADING 140 FOR RADAR VECTORS (RADAR REQUIRED)." - TO AVOID 40:1 PENETRATIONS.
15. ADDED ADDITIONAL FLIGHT DATA NOTE "CHART CIRCLING ICON" - PER .19H WHEN NEW 8260.3 CIRCLING CRITERIA IS APPLIED.
16. ADDED CHART NOTE "CIRCLING NOT AUTHORIZED SOUTH OF RWY 9-27" - AVOID HIGH TERRAIN TO SOUTH DRIVING HIGHER MDA.
17. ADDED SECOND STEPDOWN IN FINAL - ACHIEVE LOWEST POSSIBLE MDA.
18. REMOVED CNF FIXES "CFBBQ AND CFBBN" - NO LONGER REQUIRED.
19. ADDED CHART NOTE "FOR INOPERATIVE ALS, INCREASE S-LOC 27 CATS C/D VISIBILITY TO 2 SM." - PER VISCHECK EVALUATION TOOL.
20. ADDED CHART NOTE "FOR INOPERATIVE ALS, INCREASE S-LOC 27# ALL CATS VISIBILITY TO 1 7/8 SM." - PER VISCHECK EVALUATION TOOL.
21. ADDED "S-ILS 27#" LINE OF MINIMA - COMBINED PROCEDURE.
22. ADDED "ORDER 8260.3 CHARTER 2 APPLIED TO 2392 AAO 463120N/1202005W." TO PART C: GENERAL REMARKS.
23. ADDED "ORDER 8260.3 CHARTER 2 APPLIED TO 2140 AAO 463106N-1202430W." TO PART C: GENERAL REMARKS.
24. ADDED "ORDER 8260.3 CHARTER 2 APPLIED TO 1940 AAO 463150N/1202642W." TO PART C: GENERAL REMARKS.
25. CHANGED S-ILS 27 (NON-STANDARD) DA/HAT ALL CATS FROM "1725/657" TO "1713/645" - MISSED APPROACH AJUSTMENT.
26. CHANGED S-ILS 27 (NON-STANDARD) VISIBILITY ALL CATS FROM "2" TO "1 3/4" - MISSED APPROACH AJUSTMENT.
27. ADDITIONAL FLIGHT DATA: ADDED FAS OBST INFORMATION.
28. ADDITIONAL FLIGHT DATA: ADDED MAX 6000 AT XOWLO - IAW 8260.19H.
29. UPDATED INTERMEDIATE PT SEGMENT FROM OPISE INT TO ZITLU - ADDED STD PT TO AVOID HIGH TERRAIN IN SEGMENT.
30. ADDED VDP - VISUALSURFACE IS CLEAR.



AIRPORT

YAKIMA AIR TERMINAL/MCALLISTER FIELD

AIRPORT ID

KYKM

PROCEDURE NAME

ILS OR LOC RWY 27

ORIGINAL/AMENDMENT

1

CITY

YAKIMA

STATE

WA

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA **OTHER:** CHINOOK APP CON, YKM ATCT, ZSE, AMGR, ATA

FLIGHT CHECKED BY *Digitally signed by*
JOEL F HAWKLEY **DAVID DANNER**
Apr 16, 2019

OFFICE
FICO
DATE
4/11/19

DEVELOPED BY *Digitally signed by*
DAVID DANNER (ANA VEGA) **DAVID DANNER**
Apr 16, 2019

OFFICE
AJV-A421
DATE
12/04/2018

APPROVED BY *Digitally signed by*
JULIE MORGAN **DAVID DANNER**
Apr 16, 2019

OFFICE
DATE
TITLE
MANAGER

