

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ZILLA	THREE	ZILLA3.YKM	TWO	13 JAN 11	

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKE-OFF RWY 9: CLIMB HEADING 083 AND OUTBOUND YKM R-108. THENCE...

TAKEOFF RWY 22, 27: CLIMBING RIGHT TURN DIRECT YKM VORTAC AND OUTBOUND YKM R-108. THENCE...

...EASTBOUND AIRCRAFT V4-298 CONTINUE ON COURSE, ALL OTHER DEPARTURES CONTINUE CLIMB ON YKM R-108 UNTIL 4600, THEN CLIMBING RIGHT TURN DIRECT YKM VORTAC AND HOLD (HOLD E, LT, 288 INBOUND) TO CROSS YKM VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:

RWY 4, NA – OBSTACLES.

RWY 9 – STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2600.

RWY 22 – STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 3900.

RWY 27 – STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 2600.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 9, OL ON BLDG 27 FT FROM DER, 507 FT RIGHT OF CENTERLINE, 34 FT AGL/1074 FT MSL. POLE 388 FT FROM DER, 561 FT RIGHT OF CENTERLINE, 34 FT AGL/1073 FT MSL. TREES BEGINNING 586 FT FROM DER, 550 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1139 FT MSL.

NOTE: RWY 22, FENCE BEGINNING 27 FT FROM DER, 435 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/1085 FT MSL. TREES BEGINNING 570 FT FROM DER, 228 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1199 FT MSL. TREES BEGINNING 3195 FT FROM DER, 202 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1199 FT MSL. TREES BEGINNING 1.0 NM FROM DER, 732 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1239 FT MSL.

NOTE: RWY 27, ANT ON BLDG 398 FT FROM DER, 282 FT LEFT OF CENTERLINE, 15 FT AGL/1117 FT MSL. TREES BEGINNING 3824 FT FROM DER, 1341 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1239 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 2199 FT MSL AAO 463104.71N/1202404.18W.

RWY 22: 3139 FT MSL AAO 463733.60N/1204355.38W.

RWY 27: 2502 FT MSL AAO 463806.79N/1202724.23W; 3179 FT MSL AAO 463810.92N/1203007.38W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 9, 22, 27 – 12476 FT MSL AAO 461218.90N/1212915.40W.



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ZILLA	THREE	ZILLA3.YKM	TWO	13 JAN 11	

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART R-6714A, B, C, D.
CHART V4-298 ON YKM R-108.

AIRPORTS SERVED:

YAKIMA AIR TERMINAL/MCALLISTER FIELD, YAKIMA, WA.

COMMUNICATIONS:

ATIS, CLNC DEL, YAKIMA GROUND CONTROL, YKM ATCT, CHINOOK DEP CON.

FIXES AND/OR NAVAIDS:

REMARKS:

VCOA NOT DEVELOPED PER ATC REQUEST.



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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ZILLA	THREE	ZILLA3.YKM	TWO	13 JAN 11	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

ADOLFO URRUTIA
(JOHN LINDSEY)

AJV-354

12/02/2011

ROUTINE

APPROVED BY:

DEZ SILAGYI

AJV-354

COORDINATED WITH:

ALPA, AOPA, NBAA, ZSE, ARPT MGR, YKM ATCT, CHINOOK APP CON.

CHANGES:

1. CHANGED RWY 22, 27 ROUTE DESCRIPTION FROM "CLIMBING RIGHT TURN DIRECT YKM VORTAC AND OUTBOUND R-108. THENCE..." TO READ "CLIMBING RIGHT TURN DIRECT YKM VORTAC AND OUTBOUND YKM R-108. THENCE..."
2. CHANGED RWY 9 MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2900" TO READ "STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2600".
3. CHANGED RWY 22 MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 295 FT PER NM TO 3600" TO READ "STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 3900".
4. CHANGED RWY 27 MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 3000" TO READ "STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 2600".
5. CHANGED INSTRUCTIONS FROM "UNTIL REACHING ASSIGNED ALTITUDE" TO READ "UNTIL 4600"; ADDED "AND HOLD (HOLD E, LT, 288 INBOUND)"; AND CHANGED "ALL AIRCRAFT TO CROSS" TO READ "TO CROSS".
6. ADDED VCOA NOT DEVELOPED PER ATC REQUEST REMARK AND REMOVED VCOA CONTROLLING OBSTACLE.

REASONS:

1. TO INCLUDE FACILITY IDENT IN THE RADIAL.
2. NEW CLIMB GRADIENT OBSTACLE, CLIMB GRADIENT TERMINATION ALTITUDE OF 2600 CLEARS OTHER OBSTACLES.
3. NEW CONTROLLING OBSTACLE.
4. CLIMB GRADIENT TERMINATION ALTITUDE OF 2600 CLEARS OTHER OBSTACLES.
5. TO PROTECT FOR AN EARLY TURN BACK TO YKM VORTAC.
6. ATC REQUEST.

QUALITY
5
9

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: YAKIMA VORTAC

STATE: WA

COUNTRY: US

LATITUDE/LONGITUDE: 463412.87N/1202640.69W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	YAKIMA	YKM	VORTAC	H							45000

FIX RESTRICTIONS:

MCA V204 5300 WESTBOUND
MCA V448 9500 SOUTHWEST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING DME	ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	YKM	VORTAC	108.00	288.00	L	1		4600	12000	5	9
2	W	YKM	VORTAC	288.00	108.00	R	1		4400	12000	5	9

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-020852)	463804.47N/1202423.70W	3054	5E
1	310	AAO	463713.20N/1201410.00W	4252	6A
2	200	AAO	463751.00N/1202427.00W	2743	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID R-6714

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ZILLA	KYKM	YAKIMA	WA (US)
1	ILS Z RWY 27	KYKM	YAKIMA	WA (US)
1	ILS Y RWY 27	KYKM	YAKIMA	WA (US)
1	LOC/DME BC-B	KYKM	YAKIMA	WA (US)
1	VOR/DME OR TACAN RWY 27	KYKM	YAKIMA	WA (US)
1	VOR-A	KYKM	YAKIMA	WA (US)

REMARKS:

PAT 2 USED BY ATC
PAT 1 C-I-H OBSTACLE 4690 FEET INTO SECONDARY, PRIMARY EQUIVALENT 3559.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAVAA			KPDX	PORTLAND	OR (US)
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	RIVER			KPDX	PORTLAND	OR (US)
DP	PAINE			KPAE	EVERETT	WA (US)
DP	MOSES			KMWH	MOSES LAKE	WA (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	TRI-CITIES			KPSC	PASCO	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	MOUNTAIN			KSEA	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
DP	WALLA WALLA			KALW	WALLA WALLA	WA (US)
DP	GROMO			KYKM	YAKIMA	WA (US)
DP	NACHES			KYKM	YAKIMA	WA (US)
DP	WENAS			KYKM	YAKIMA	WA (US)
DP	YAKIMA			KYKM	YAKIMA	WA (US)
DP	ZILLA			KYKM	YAKIMA	WA (US)
EN ROUTE	J136					(US)
EN ROUTE	J20					(US)
EN ROUTE	V204					(US)
EN ROUTE	V25					(US)
EN ROUTE	V298					(US)
EN ROUTE	V4					(US)
EN ROUTE	V448					(US)
EN ROUTE	V468					(US)
IAP	ILS Y RWY 27		1	KYKM	YAKIMA	WA (US)

QUALITY
5
CHECKED

IAP	ILS Z RWY 27	1	KYKM	YAKIMA	WA (US)
IAP	LOC/DME BC-B	1	KYKM	YAKIMA	WA (US)
IAP	RNAV (RNP) Y RWY 9		KYKM	YAKIMA	WA (US)
IAP	RNAV (RNP) Z RWY 9		KYKM	YAKIMA	WA (US)
IAP	VOR-A	1	KYKM	YAKIMA	WA (US)
IAP	VOR/DME OR TACAN RWY 27	1	KYKM	YAKIMA	WA (US)
STAR	CHINS		KBFI	SEATTLE	WA (US)
STAR	CHINS		KSEA	SEATTLE	WA (US)
STAR	ZOOMR		KGEG	SPOKANE	WA (US)
STAR	ZOOMR		KSFF	SPOKANE	WA (US)
STAR	ZOOMR		KSKA	SPOKANE	WA (US)
STAR	WHYTE		KTCM	TACOMA	WA (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 13

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

1. UPDATED HOLDING PAT 1 200 KIAS OBSTACLE.
2. DELETED PAT 1 CONTROLLING OBSTACLE, 4D AC VERIFIED VIA FLIGHT CHECK REMARK.

DEVELOPED BY: **DATE:** 10/28/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (JOHN LINDSEY)

APPROVED BY: **DATE:** 12/19/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZSE
 ATC FACILITY: YKM APP CON
 OTHER:

