

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, 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 in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 2700 DIRECT WATIG AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 037.06 INBOUND. CHART FAS OBST: 1055 TOWER 395525N/0830717W CHART: 1137 TOWER 395800N/0830628W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.22 NM TO RW22* *LNAV ONLY. WAAS CHANNEL # 65641 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: 242 M									
SIZES (IAF)				HARIP (FB)				128.16 / 7.00				3000											
HARIP (IF)				OPOKE (FB)				217.24 / 5.00				2300											
OPOKE (FAF)				RW22 (MAP) (FO)				217.20 / 4.26															
RW22 (MAP)				1154 MSL				217.20				2700											
1154 MSL				WATIG (FO)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 5W EPOCH YEAR: 1985									
2. PROFILE STARTS AT HARIP																							
3. FAC: 217.20 FAF: OPOKE DIST FAF TO MAP: 4.26 THLD: 4.26																							
4. MIN. ALT: HARIP 3000, OPOKE 2300																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 2300 GS ALT AT: OPOKE 2300 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR																							
8. MSA FROM: RW22 3100																							
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD @													
CATEGORY =====>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
LPV DA	1154	7/8	250	1154	7/8	250	1154	7/8	250	1154	7/8	250											
LNAV/VNAV DA	1339	1 1/2	435	1339	1 1/2	435	1339	1 1/2	435	1339	1 1/2	435											
LNAV MDA	1320	1	416	1320	1	416	1320	1 1/8	416	1320	1 1/8	416											
CIRCLING	1360	1	456	1380	1	476	1380	1 1/2	476	1500	2	596											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PORT COLUMBUS INTL ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)																							
CITY AND STATE COLUMBUS, OH				ELEVATION: 904 TDZE: 904 AIRPORT NAME: BOLTON FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 10 NOVEMBER 2016					SUP: AMDT: NONE DATED:								



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

NOTES, (CONT.):

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE PORT COLUMBUS INTL ALTIMETER SETTING AND INCREASE LPV DA TO 1196 FEET AND LNAV/VNAV DA TO 1382 FEET AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 SM, AND LNAV CAT C/D VISIBILITY 1/4 SM.

QUALITY
25
CHECKED

CITY AND STATE COLUMBUS, OH	ELEVATION: 904 AIRPORT NAME: BOLTON FIELD	TDZE: 904	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 10 NOVEMBER 2016	SUP:
					AMDT: NONE
					DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTZR
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	395427.2020N
LTP/FTP LONGITUDE	0830754.0725W
LTP/FTP ELLIPSOIDAL HEIGHT	+02420
FPAP LATITUDE	395311.7180N
FPAP LONGITUDE	0830855.7025W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1080
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D0CC176D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02754
FPAP ORTHOMETRIC HEIGHT	+02754

QUALITY
25
CHECKED

CITY AND STATE COLUMBUS, OH	ELEVATION: 904 AIRPORT NAME: BOLTON FIELD	TDZE: 904 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 10 NOVEMBER 2016	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - KTZR

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SIZES	010	SIZES	IF	FB										E A
SIZES	020	HARIP	TF	FB	1.0	128.2						AA 03000		EE B
	010	HARIP	IF	FB								AA 03000		E I
	020	OPOKE	TF	FB	1.0	217.2				RW22		AA 02300		E F
	030	RW22	TF	FO	0.3	217.2		3.00				AT 00944		GY M
	040		CA	FB		217.2						AA 01154		M
	050	WATIG	DF	FO	1.0							AA 02700		EY
	060	WATIG	HM	FO		037.1			L			AA 02700		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HARIP	N400217.65	W0830128.95
OPOKE	N395803.65	W0830457.10
SIZES	N400607.80	W0830906.74
WATIG	N394330.82	W0831648.22

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N395427.20	W0830754.07	00904	40

QUALITY
25
CHECKED

CITY AND STATE COLUMBUS, OH	ELEVATION: 904 TDZE: 904	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 10 NOVEMBER 2016	SUP:
	AIRPORT NAME: BOLTON FIELD			AMDT: NONE
				DATED: