

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: RW28R CLIMB TO 2800 DIRECT ALEME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 101.12 INBOUND. CHART FAS OBST: 1024 TREE 400029N/0825035W 1289 AAO 400028N/0824538W DISTANCE TO THLD FROM 205 HAT: 0.48 NM. CHART VDP AT 1.31 MILES TO RW28R* *LNAV ONLY. WAAS CHANNEL # 86619 REFERENCE PATH ID: W28B CHART CIRCLING ICON LTP HAE: 213.5 M											
BREMN (IAF)	CAGTI (FB)	335.43 / 20.20	3000												
APE VORTAC (IAF)	CAGTI (FB)	199.05 / 10.03	3000												
CAGTI (IF)	ATIFE (FB)	281.38 / 6.21	2500												
ATIFE (FAF)	HULOP/2.10 NM TO RW28R	281.29 / 3.04													
HULOP/2.10 NM TO RW28R	(FB)	281.29 / 2.10													
RW28R (MAP)	RW28R (MAP) (FO)	281.29	2800												
1018 MSL	1018 MSL														
	ALEME (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CAGTI 3. FAC: <u>281.29</u> FAF: <u>ATIFE</u> DIST FAF TO MAP: <u>5.14</u> THLD: <u>5.14</u> 4. MIN. ALT: <u>CAGTI 3000, ATIFE 2500, HULOP/2.10 NM TO RW28R 1520*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>ATIFE 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.2</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW28R 3100</u>				MAG VAR: 7W EPOCH YEAR: 2015											
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	1018	2400	205	1018	2400	205	1018	2400	205	1018	2400	205			
LNAV/VNAV DA	1122	2400	309	1122	2400	309	1122	2400	309	1122	2400	309			
LNAV MDA	1280	2400	467	1280	2400	467	1280	5000	467	1280	5000	467			
CIRCLING	1340	1	525	1340	1	525	1520	2	705	1520	2 1/4	705			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (0F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 FT; INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILES. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28L. (SEE FORM 8260-10)															
CITY AND STATE COLUMBUS, OH		ELEVATION: 815 TDZE: 813 AIRPORT NAME: PORT COLUMBUS INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28R, AMDT 2A 13 NOVEMBER 2014				SUP: AMDT: 2 DATED 08/22/2013					

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 NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 117 CW 271.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

COLUMBUS, OH

ELEVATION: 815

TDZE: 813

AIRPORT NAME:

PORT COLUMBUS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 28R, AMDT 2A

13 NOVEMBER 2014

SUP:

AMDT:

2

DATED:

08/22/2013

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	KCMH
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	400005.7315N
LTP/FTP LONGITUDE	0825244.9700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02135
FPAP LATITUDE	400012.2765N
FPAP LONGITUDE	0825440.6040W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	3B7B76E2
----------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02476
FPAP ORTHOMETRIC HEIGHT	+02476

CITY AND STATE

COLUMBUS, OH

ELEVATION: 815

TDZE: 813

AIRPORT NAME:

PORT COLUMBUS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 28R, AMDT 2A

13 NOVEMBER 2014

SUP:

AMDT: 2

DATED: 08/22/2013

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

ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	APE	K5011670VTHA	N40090383W082351788	N40090383W082351788W0060013542	NARAPPLETON								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	ALEME	K50	C	N40003663W083015628		W0070	NAR	ALEME					
SUSAEENRT	ATIPE	K50	C	N39594282W082460460		W0072	NAR	ATIPE					
SUSAEENRT	BREMN	K50	C	B N39420173W082241572		W0074	NAR	BREMN					
SUSAEENRT	CAGTI	K50	W	N39591464W082380137		W0073	NAR	CAGTI					
SUSAEENRT	HULOP	K50	W	N39595642W082500146		W0072	NAR	HULOP					

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCMHK5ACMH	0	101YHN39594900W082533180W007000815	1800018000C	MNAR	PORT COLUMBUS INTL							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCMHK5FR28RY	AAPE	010APE	K5D 0V	A	IF				18000		A	JS
SUSAP	KCMHK5FR28RY	AAPE	020CAGTIK5EA0EE	B	010TF		19910100	+	03000			A	JS
SUSAP	KCMHK5FR28RY	ABREMN	010BREMKNK5EA0E	A	IF					18000		A	JS
SUSAP	KCMHK5FR28RY	ABREMN	020CAGTIK5EA0EE	B	010TF		33540202	+	03000			A	JS
SUSAP	KCMHK5FR28RY	R	010CAGTIK5EA0E	I	IF					18000		A	JS
SUSAP	KCMHK5FR28RY	R	020ATIPEK5EA1E	F	051TF		28140062	+	02500			RW28R	K5PGA JS
SUSAP	KCMHK5FR28RY	R	020ATIPEK5EA2WALPV			ALNAV/VNAV ALNAV						JS	
SUSAP	KCMHK5FR28RY	R	021HULOPK5EA0E	S	031TF		28130030	V	0152001531		-300	A	JS
SUSAP	KCMHK5FR28RY	R	030RW28RK5PG0GY	M	031TF		28130021		00862		-300	A	JS
SUSAP	KCMHK5FR28RY	R	040	0	M	CA	2813	+	01018			A	JS
SUSAP	KCMHK5FR28RY	R	050ALEMEK5EA0EY		DF			+	02800			A	JS
SUSAP	KCMHK5FR28RY	R	060ALEMEK5EA0EE	R	HM		10110040	+	02800			A	JS

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCMHK5GRW28R	0080002812	N40000573W082524497+0000	+02135008120000501501IONB1									

PP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCMHK5PR28RY	RW28R001Y0000W28B0N4000057315W08252449700+021350300N4000122765W08254406040106750312000502F4003503B7B7E2											

CITY AND STATE COLUMBUS, OH	ELEVATION: 815	TDZE: 813	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 28R, AMDT 2A 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: PORT COLUMBUS INTL				AMDT: 2
					DATED: 08/22/2013

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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.

SUSAP KCMHK5PR28RY RW28R002E +02476+02476LPV 86619

[illegible]

CITY AND STATE
COLUMBUS, OH

ELEVATION: 815	TDZE: 813
AIRPORT NAME:	
PORT COLUMBUS INTL	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 28R, AMDT 2A
13 NOVEMBER 2014

SUP:	
AMDT:	2
DATED:	08/22/2013

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	APE	APE	010	IAF	IF		FB					
	APE	CAGTI	020		TF		FB	1.0	199.1(192.1T)	010.0	AA 03000	
	BREMN	BREMN	010	IAF	IF		FB					
	BREMN	CAGTI	020		TF		FB	1.0	335.4(328.4T)	020.2	AA 03000	
		CAGTI	010	FACF	IF		FB				AA 03000	
		ATIME	020	FAF	TF		FB	0.5	281.4(274.4T)	006.2	AA 02500	
		HULOP	021	SDF	TF		FB	0.3	281.3(274.3T)	003.0	AA 01520	GS 01531
		RW28R	030	MAP	TF		FO	0.3	281.3(274.3T)	002.1	AT 00862	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.3(274.3T)		AA 01018	
	ALEME	050		DF		FO				AA 02800	
	ALEME	060		HM	R	FO		101.1(094.1T)	004.0	AA 02800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APE	N400903.83	W0823517.88	N4009.064	W08235.298
	ALEME	N400036.63	W0830156.28	N4000.611	W08301.938
	ATIME	N395942.82	W0824604.60	N3959.714	W08246.077
	BREMN	N394201.73	W0822415.72	N3942.029	W08224.262
	CAGTI	N395914.64	W0823801.37	N3959.244	W08238.023
	HULOP	N395956.42	W0825001.46	N3959.940	W08250.024
	RW28R	N400005.73	W0825244.97	N4000.096	W08252.750

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00812	50

CITY AND STATE
COLUMBUS, OH

ELEVATION: 815 TDZE: 813
AIRPORT NAME:
PORT COLUMBUS INTL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 28R, AMDT 2A
13 NOVEMBER 2014

SUP:
AMDT: 2
DATED: 08/22/2013