

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: RW28L CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIMPS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 062.93 INBOUND. CHART FAS OBST: 1066 LT POLE 395859N/0824941W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.37 NM TO RW28L* *LNAV ONLY. WAAS CHANNEL # 48999 REFERENCE PATH ID: W28A CHART CIRCLING ICON LTP HAE: 214.4 M					
UTTER (IAF)		CORED (NOPT) (TF) (FB) (RNP 1.00)			219.19 / 23.96			3000							
BREMN (IAF)		CORED (NOPT) (TF) (FB) (RNP 1.00)			336.18 / 19.31			3000							
CORED (IF/IAF)		HABOP (TF) (FB) (RNP 1.00)			281.38 / 6.01			2700							
HABOP (FAF)		ZIGTI/2.20 NM TO RW28L (TF) (FB) (RNP 0.30)			281.30 / 3.56										
ZIGTI/2.20 NM TO RW28L		RW28L (MAP) (TF) (FO) (RNP 0.30)			281.30 / 2.20										
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E CORED, LT, 281.38 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 281.30 FAF: HABOP DIST FAF TO MAP: 5.76 THLD: 5.76 4. MIN. ALT: CORED 3000, HABOP 2700, ZIGTI/2.20 NM TO RW28L 1560* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2700 GS ALT AT: HABOP 2700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.2 34:1 IS CLEAR 8. MSA FROM: RW28L 3100															
										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	1015	1800	200	1015	1800	200	1015	1800	200	1015	1800	200			
LNAV/VNAV DA	1261	5500	446	1261	5500	446	1261	5500	446	1261	5500	446			
LNAV MDA	1320	2400	505	1320	2400	505	1320	5500	505	1320	5500	505			
CIRCLING	1340	1	525	1340	1	525	1520	2	705	1540	2 3/4	725			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT D 800-2 3/4 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 815 TDZE: 815			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
COLUMBUS, OH		AIRPORT NAME:			JOHN GLENN COLUMBUS INTL		RNAV (GPS) Y RWY 28L, AMDT 3D					AMDT: 3C			
							1 FEBRUARY 2018					DATED 12/07/2017			



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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW28L (MAP)	1400 MSL (CA)	281.30	1400
1400 MSL	LIMPS (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BREMN ON V45 SOUTHBOUND.

QUALITY
24
CHECKED

CITY AND STATE
COLUMBUS, OH

ELEVATION: 815 TDZE: 815
AIRPORT NAME:
JOHN GLENN COLUMBUS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 28L, AMDT 3D
1 FEBRUARY 2018

SUP:
AMDT: 3C
DATED: 12/07/2017

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

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMH
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	395929.8120N
LTP/FTP LONGITUDE	0825223.4570W
LTP/FTP ELLIPSOIDAL HEIGHT	+02144
FPAP LATITUDE	395937.1445N
FPAP LONGITUDE	0825433.0425W
THRESHOLD CROSSING HEIGHT (TCH)	00052.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

45D1504D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02484
FPAP ORTHOMETRIC HEIGHT	+02484

QUALITY
24
CHECKED

CITY AND STATE COLUMBUS, OH	ELEVATION: 815 AIRPORT NAME: JOHN GLENN COLUMBUS INTL	TDZE: 815 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28L, AMDT 3D 1 FEBRUARY 2018	SUP:
				AMDT: 3C
				DATED: 12/07/2017