

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: RW33 CLIMB TO 2200 DIRECT GTN NDB AND HOLD, CONTINUE CLIMB-IN -HOLD TO 2200. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 147.00 INBOUND. FAS OBST: 469 AAO 384221N/0765833W. CHART P-56 A AND B. CHART P-73. DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 2.09 NM TO RW33* *LNAV ONLY. WAAS CHANNEL # 90123 REFERENCE PATH ID: W33A CHART CIRCLING ICON. LTP HAE: -29 M									
JANIV (IF)		CROFT (TF) (FB) (RNP 1.00)			333.73 / 6.00			1400											
CROFT (FAF)		RW33 (MAP) (TF) (FO) (RNP 0.30)			333.68 / 4.19														
RW33 (MAP)		263 MSL (CA)			333.68														
263 MSL		GTN NDB (DF) (FO) (RNP 1.00)						2200											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JANIV 3. FAC: 333.68 FAF: CROFT DIST FAF TO MAP: 4.19 THLD: 4.19 4. MIN. ALT: JANIV 2100, CROFT 1400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1400 GS ALT AT: CROFT 1400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW33 2500																MAG VAR: 11W		EPOCH YEAR: 2020	
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	263	3/4	250	263	3/4	250	263	3/4	250	263	3/4	250							
LNAV/VNAV DA	609	2	596	609	2	596	609	2	596	609	2	596							
LNAV MDA	720	1	707	720	1	707	720	2	707	720	2	707							
CIRCLING	720	1	706	720	1	706	840	2 1/2	826	900	3	886							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9C (16F) OR ABOVE 54C (130F). @ CAT C 900-2 1/2, CAT D 900-3 CHART NOTE: CIRCLING NA NORTHEAST OF RWY 15-33. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: NOTE: PROHIBITED AREA (P-56) 1.5 NM NORTH OF DCA - AVOID SURFACE TO 18000 MSL.																			
CITY AND STATE		ELEVATION: 14 TDZE: 13			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:						
WASHINGTON, DC		AIRPORT NAME:			RONALD REAGAN WASHINGTON NATIONAL			RNAV (GPS) RWY 33, AMDT 1A					AMDT: 1						
								29 MARCH 2018					DATED 08/20/2015						



**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	KDCA
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	385059.2945N
LTP/FTP LONGITUDE	0770155.9525W
LTP/FTP ELLIPSOIDAL HEIGHT	-00290
FPAP LATITUDE	385210.1855N
FPAP LONGITUDE	0770305.1665W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 96B5C4D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00031
FPAP ORTHOMETRIC HEIGHT	+00031

QUALITY
16
CHECKED

CITY AND STATE WASHINGTON, DC	ELEVATION: 14 AIRPORT NAME: RONALD REAGAN WASHINGTON NATIONAL	TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1A 29 MARCH 2018	SUP:
					AMDT: 1
					DATED: 08/20/2015