

**US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GSO VORTAC (IAF)	BACHE (FB)	237.34 / 6.71	3000	LPV: DA LNAV/VNAV: DA LNAV: RW33  CLIMB TO 3500 DIRECT CATSI AND VIA 332.67 TRACK TO INCON AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.25 INBOUND. CHART FAS OBST: 1039 TREE 360735N/0801227W CHART FAS OBST: 1068 TOWER 360603N/0801135W CHART: 1350 TOWER 360329N/0800956W DISTANCE TO THLD FROM 200 HAT: 0.58 NM. WAAS CHANNEL # 82011 REFERENCE PATH ID: W33A
AZELL (IAF)	BACHE (FB)	053.82 / 10.30	3000	
BACHE (IF)	COLEB (FB)	331.71 / 6.22	2500	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT BACHE
- FAC: 331.66 FAF: COLEB DIST FAF TO MAP: 4.78 THLD: 4.78
- MIN. ALT: BACHE 3000, COLEB 2500, EARLL/1.80 NM TO RW33 1520\*
- DIST TO THLD FROM OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_ 150 HAT: \_\_\_\_\_ 100 HAT: \_\_\_\_\_ GS ANT: \_\_\_\_\_
- MIN GS INCPT: 2500 GS ALT AT: COLEB OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_
- GS ANGLE: 3.00 TCH: 57.3 34:1 IS CLEAR
- MSA FROM: RW33 4100

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	1141	2400	200	1141	2400	200	1141	2400	200	1141	2400	200			
LNAV/VNAV DA	1407	6000	466	1407	6000	466	1407	6000	466	1407	6000	466			
LNAV MDA	1380	2400	439	1380	2400	439	1380	4000	439	1380	5000	439			
CIRCLING	1480	1	511	1580	1	611	1580	1 3/4	611	1740	2 1/2	771			

NOTES:  
 CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PIEDMONT TRIAD INTL ALTIMETER SETTING, INCREASE LPV @ CAT D 800-2 1/2  
 ALL CATS VISIBILITY TO 1 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: BARO-VNAV NA WHEN USING PIEDMONT TRIAD INTL ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).  
 SEE 8260-10

CITY AND STATE <b>WINSTON-SALEM, NC</b>	ELEVATION: 969 TDZE: 941 AIRPORT NAME: <b>SMITH REYNOLDS</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 33, ORIG 07 MAY 2009</b>	SUP: AMDT: <b>NONE</b> DATED
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**NOTES CONT.**

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIEDMONT TRIAD INTL ALTIMETER SETTING AND INCREASE ALL DA 39 FEET, AND ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART PANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GSO VORTAC VIA V103 NORTHBOUND AND V310 EASTBOUND.

CITY AND STATE

WINSTON-SALEM, NC

ELEVATION: 969 TDZE: 941

AIRPORT NAME:

SMITH REYNOLDS

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KINT
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	360726.0390N
LTP/FTP LONGITUDE	0801247.6880W
LTP/FTP ELLIPSOIDAL HEIGHT	+02416
FPAP LATITUDE	360819.7400N
FPAP LONGITUDE	0801334.6800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.3
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** EF99824F

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02743
FPAP ORTHOMETRIC HEIGHT	+02743

CITY AND STATE WINSTON-SALEM, NC	ELEVATION: 969 TDZE: 941 AIRPORT NAME: SMITH REYNOLDS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 07 MAY 2009	SUP:
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AZELL	AZELL	010	IAF	IF		FB				
	AZELL	BACHE	020		TF		FB	1.0	053.8 (047T)	010.3	03000
	GSO	GSO	010	IAF	IF		FB				
	GSO	BACHE	020		TF		FB	1.0	237.3 (230T)	006.7	03000
		BACHE	010	FACF	IF		FB				03000
		COLEB	020	FAF	TF		FB	0.5	331.7 (325T)	006.2	02500
		EARLL	021	SDF	TF		FB	0.3	331.7 (325T)	003.0	0152001534
		RW33	030	MAP	TF		FO	0.3	331.7 (325T)	001.8	00957

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CATSI	040		DF		FB	1.0			
	INGON	050		TF		FO	1.0	332.7 (326T)		03500
	INGON	060		HM	R	FO	2.0	072.3 (065T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	AZELL	N355123.75	W0801412.12	N3551.396	W08014.202
	BACHE	N355826.82	W0800457.00	N3558.447	W08004.950
	CATSI	N360953.01	W0801456.37	N3609.884	W08014.940
	COLEB	N360331.73	W0800922.89	N3603.529	W08009.382
	EARLL	N360557.84	W0801130.55	N3605.964	W08011.509
	INGON	N361306.99	W0801739.89	N3613.117	W08017.665
	RW33	N360726.04	W0801247.69	N3607.434	W08012.795

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00900	57

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	AIRPORT NAME: SMITH REYNOLDS			AMDT: NONE
				DATED: