

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GROSS (IAF)	WUPUL (FB)	063.57 / 9.71	3100	LPV: DA LNAV/VNAV: DA LNAV: RW05R
WUPUL (IF)	VOYUR (FB)	050.70 / 6.02	2700	
VOYUR (FAF)	XIZMO/2.70 NM TO RW05R (FB)	050.76 / 2.70		CLIMB TO 1500 THEN CLIMB TO 4000 DIRECT VXV VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.
XIZMO/2.70 NM TO RW05R	RW05R (MAP) (FO)	050.76 / 2.70		
RW05R (MAP)	1500 MSL	050.76	1500	
1500 MSL	VXV VORTAC (FO)		4000	ADDITIONAL FLIGHT DATA: HOLD NE, LT, 236.00 INBOUND. CHART FAS OBST: 1159 TREES 354640N/0840151W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.37 MILES TO RW05R* *LNAV ONLY. WAAS CHANNEL # 97410 REFERENCE PATH ID: W05B LTP HAE: 255.5 M CHART CIRCLING ICON. CHART: ASR.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT WUPUL
3. FAC: 050.76 FAF: VOYUR DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: WUPUL 3100, VOYUR 2700, XIZMO/2.70 NM TO RW05R 1840*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2700 GS ALT AT: VOYUR 2700 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 42.6 34:1 IS CLEAR
8. MSA FROM: RW05R 7900

MAG VAR: 6W 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	1159	3/4	200	1159	3/4	200	1159	3/4	200	1159	3/4	200			
LNAV/VNAV DA	1276	1 1/8	317	1276	1 1/8	317	1276	1 1/8	317	1276	1 1/8	317			
LNAV MDA	1420	1	461	1420	1	461	1420	1 3/8	461	1420	1 3/8	461			
CIRCLING	1500	1	519	1620	1	639	1660	2	679	1900	3	919			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C @ CAT D 1000-3 (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 *LNAV ONLY
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GROSS ON V115 SOUTHWEST BOUND.



CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 959 AIRPORT NAME: MC GHEE TYSON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5R, AMDT 2 25 JUNE 2015	SUP: AMDT: 1 DATED 11/20/2008
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
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(This area is intentionally left blank for the instrument approach procedure.)

QUALITY
 24
 CHECKED

CITY AND STATE KNOXVILLE, TN	ELEVATION: 981	TDZE: 959	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5R, AMDT 2 25 JUNE 2015	SUP:
	AIRPORT NAME: MC GHEE TYSON				AMDT: 1
					DATED: 11/20/2008

**RNAV 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	KTYS
RUNWAY	RW05R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05B
LTP/FTP LATITUDE	354800.2530N
LTP/FTP LONGITUDE	0840014.4125W
LTP/FTP ELLIPSOIDAL HEIGHT	+02555
FPAP LATITUDE	354903.5615N
FPAP LONGITUDE	0835857.2135W
THRESHOLD CROSSING HEIGHT (TCH)	00042.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 6AF6F362

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02861
FPAP ORTHOMETRIC HEIGHT	+02861

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	AIRPORT NAME: MC GHEE TYSON				AMDT: 1
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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD		VXV	K7011640VTHA	N35541742W083534102	N35541742W083534102	W0030012902			NARVOLUNTEER				

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT		GROSS	K70	C	L	N35344044W084201042		W0052	NAR		GROSS		
SUSAEAENRT		VOYUR	K70	W		N35441003W084045472		W0054	NAR		VOYUR		
SUSAEAENRT		WUPUL	K70	W		N35395292W084100695		W0054	NAR		WUPUL		
SUSAEAENRT		XIZMO	K70	W		N35460511W084023469		W0055	NAR		XIZMO		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP		KTYSK7ATYS	0		090YHN35483950W083593850W006000981		1800018000C		MNAR		MC GHEE TYSON		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP		KTYSK7FR05R	AGROSS	010GROSSK7EA0E	A					18000		A	JS
SUSAP		KTYSK7FR05R	AGROSS	020WUPULK7EA0EE	B	010TF		06360097		+ 03100		A	JS
SUSAP		KTYSK7FR05R	R	010WUPULK7EA0E	I					+ 03100	18000	A	JS
SUSAP		KTYSK7FR05R	R	020VOYURK7EA1E	F	051TF		05070060		+ 02700		RW05R	K7PGA JS
SUSAP		KTYSK7FR05R	R	020VOYURK7EA2WALPV			ALNAV/VNAV	ALNAV					JS
SUSAP		KTYSK7FR05R	R	021XIZMOK7EA0E	S	031TF		05080027		V 0184001841		-300	A JS
SUSAP		KTYSK7FR05R	R	030RW05RK7PGOGY	M	031TF		05080027				-300	A JS
SUSAP		KTYSK7FR05R	R	040		0 M	CA	0508		+ 01500			A JS
SUSAP		KTYSK7FR05R	R	050VXV	K7D	Ovy	DF			+ 04000			A JS
SUSAP		KTYSK7FR05R	R	060VXV	K7D	Ove	L	HM		23600040		+ 04000	A JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP		KTYSK7GRW05R	0090000508	N35480025W084001441	+0300			+0255500939000043150R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP		KTYSK7PR05R	RW05R001	0000W05B0N3548002530W08400144125	+025550300N3549035615W08358572135106750008000426F4003506AF6F362								
SUSAP		KTYSK7PR05R	RW05R002E		+02861+02861LPV			97410					



CITY AND STATE
 KNOXVILLE, TN

ELEVATION: 981 TDZE: 959
 AIRPORT NAME:
 MC GHEE TYSON

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 5R, AMDT 2
 25 JUNE 2015

SUP:
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MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

 SUSAP KTYSK7SRW05RK7PG 0 18018007925 M



CITY AND STATE KNOXVILLE, TN	ELEVATION: 981 TDZE: 959	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 5R, AMDT 2 25 JUNE 2015	SUP:
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GROSS	GROSS	010	IAF	IF		FB					
	GROSS	WUPUL	020		TF		FB	1.0	063.6 (057.6T)	009.7	AA 03100	
		WUPUL	010	FACF	IF		FB				AA 03100	
		VOYUR	020	FAF	TF		FB	0.5	050.7 (044.7T)	006.0	AA 02700	
		XIZMO	021	SDF	TF		FB	0.3	050.8 (044.8T)	002.7	AA 01840	GS 01841
		RW05R	030	MAP	TF		FO	0.3	050.8 (044.8T)	002.7	AT 00981	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		050.8 (044.8T)		AA 01500	
	VXV	050		DF		FO				AA 04000	
	VXV	060		HM	L	FO		236.0 (230.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.02	N3554.290	W08353.684
	GROSS	N353440.44	W0842010.42	N3534.674	W08420.174
	VOYUR	N354410.03	W0840454.72	N3544.167	W08404.912
	WUPUL	N353952.92	W0841006.95	N3539.882	W08410.116
	XIZMO	N354605.11	W0840234.69	N3546.085	W08402.578
	RW05R	N354800.25	W0840014.41	N3548.004	W08400.240

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05R	00939	43



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			25 JUNE 2015	DATED: 11/20/2008