US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HIGAR INT	BUZBY OM	229.82 / 2.43 (I-BUI)	2400

MISSED APPROACH

ILS: DA
LOC: 4.17 MILES AFTER BUZBY OM/VXV 2.47 DME/RADAR OR AT VXV 6.61 DME FIX

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 240 AND VXV VORTAC R-231 TO GROSS INT/VXV 29.13 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 050.88 INBOUND
CHART FAS OBST: 1259 TREE 355106N/0835727W
CHART DOWNTOWN ISLAND AIRPORT
CHART RIZEN OM.
CHART: ASR
DO NOT CHART VXV R-050 AS PT OUTBOUND IN PLANVIEW

1. PT R SIDE OF COURSE 049.82 OUTBOUND 5000 FT WITHIN 15 MILES OF VXV VORTAC (IAF)
2.
3. FAC: 229.82 FAF: BUZBY OM/VXV 2.47 DME/RADAR DIST FAF TO MAP: 4.17 THLD: 4.17
4. MIN. ALT: HIGAR 3000, BUZBY OM 2400
5. DIST TO THLD FROM OM: 4.17 MM: 0.40 IM: 935 150 HAT: 1855 100 HAT: 988 GS ANT: 1027
6. MIN GS INCPT: 2400 GS ALT AT: - OM: 2376 MM: 1159 IM: 1081
7. GS ANGLE: 3.00 TCH: 52.8
8. MSA FROM: VXV VORTAC 090-200 7900, 200-090 5100

MAG VAR: 5W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: STANDARD # LOC: 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
S-ILS 23R	1177	1800	200	1177	1800	200	1177	1800	200	1177	1800	200	1177	1800	200
S-LOC 23R	1520	2400	543	1520	2400	543	1520	6000	543	1520	6000	543	1520	6000	543
CIRCLING	1520	1	539	1540	1	559	1700	1 5/8	719	1700	2 1/4	719	1900	3	919

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 23R: CAT A, B, C, D, RA 101, RVR 1200, HATh 100, DA 1077 MSL.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 23R CAT E VISIBILITY TO RVR 4000 AND S-LOC 23R CAT E VISIBILITY TO 1 5/8.
(SEE FORM 8260-10)

CAT C 800-2, CAT D 800-2 1/4, CAT E 1000-3
@ CAT D 800-2 1/4, CAT E 1000-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 981 THRE: 977	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KNOXVILLE, TN	AIRPORT NAME: MC GHEE TYSON	I-BUI	ILS OR LOC RWY 23R, AMDT 12 ILS RWY 23R (SA CAT I) ILS RWY 23R (CAT II)	AMDT: 11 DATED 05/12/2005

26 JULY 2012

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NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: CAUTION: RIZEN OM FOR DOWNTOWN ISLAND RWY 26 MAY BE RECEIVED PRIOR TO BUZBY OM.
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 23R: CAT A, B, C, D, RA 174, RVR 1400, HATh 150, DA 1127 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC OR LOA APPROVAL AND USE OF HUD TO DH.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        VXV   K7011640VTHA N35541742W083534102    N35541742W083534102W0030012902     NARVOLUNTEER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BUZBY K70    R     N35521623W083552586                      W0054     NAR            BUZBY OM
        SUSAEAENRT   GROSS K70    C   L N35344044W084201042                      W0050     NAR            GROSS
        SUSAEAENRT   HIGAR K70    R     N35535971W083531918                      W0054     NAR            HIGAR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7ATYS     0     090YHN35483950W083593850W003000981         1800018000C    MNAR    MC GHEE TYSON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7FI23R  AVXV   010VXV  K7D 0VE AL   PI IBUIK7      0469008309480150PI  + 05000     18000                 0 NS
        SUSAP KTYSK7FI23R  I      010HIGARK7EA0E  I    IF IBUIK7      04980082         PI  J 030000240018000                 0 NS
        SUSAP KTYSK7FI23R  I      020BUZBYK7EA0E  F    CF IBUIK7      0498005823000024PI  H 0240002376        -300VXV   K7D 0 NS
        SUSAP KTYSK7FI23R  I      030RW23RK7PG0GY M    CF IBUIK7      0498001723000042PI    01029             -300          0 NS
        SUSAP KTYSK7FI23R  I      040         0  M     CA                      2298        + 02000                         0 NS
        SUSAP KTYSK7FI23R  I      050         0        VI                      2400                                        0 NS
        SUSAP KTYSK7FI23R  I      060GROSSK7EA0EY      CF VXV K7      2309029123090160D   + 03000                         0 NS
        SUSAP KTYSK7FI23R  I      070GROSSK7EA0EE  R   HM                      0509T010    + 03000                         0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7GRW23R   0090052278 N35491875W083590262-0600    +026710097700005315 0IIBUI2

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7IIBUI2   011170RW23RN35480830W084002856 2298N35491433W083591485 1039 10270399300W00505300975

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7SVXV  K7D                 0   0202700512527002007925                                                          M
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CITY AND STATE	ELEVATION: 981 THRE: 977	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KNOXVILLE, TN	AIRPORT NAME: **MC GHEE TYSON**	**I-BUI**	**ILS OR LOC RWY 23R, AMDT 12** **ILS RWY 23R (SA CAT I)** 26 JULY 2012 **ILS RWY 23R (CAT II)**	AMDT: **11** DATED: **05/12/2005**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VXV	VXV	010	IAF	PI	L	FB		094.8()	015.0	AA 05000	
		HIGAR	010	FACF	IF		FB				AA 03000 GI 02400	
		BUZBY	020	FAF	CF		FB		230.0()	002.4	GI 02400 GS 02376	
		RW23R	030	MAP	CF		FO		230.0()	004.2	AT 01029	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		229.8()		AA 02000	
		050		VI		FB		240.0()			
	GROSS	060		CF		FO		230.9()	016.0	AA 03000	
	GROSS	070		HM	R	FO		050.9()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.02	N3554.290	W08353.684
	BUZBY	N355216.23	W0835525.86	N3552.271	W08355.431
	GROSS	N353440.44	W0842010.42	N3534.674	W08420.174
	HIGAR	N355359.71	W0835319.18	N3553.995	W08353.320
	RW23R	N354918.75	W0835902.62	N3549.313	W08359.044
	IBUI (LOC)	N354808.30	W0840028.56	N3548.138	W08400.476

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23R	00977	53

CITY AND STATE	ELEVATION: 981 THRE: 977	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KNOXVILLE, TN	AIRPORT NAME: MC GHEE TYSON	I-BUI	ILS OR LOC RWY 23R, AMDT 12 ILS RWY 23R (SA CAT I) 26 JULY 2012 ILS RWY 23R (CAT II)	AMDT: 11 DATED: 05/12/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        VXV   K7011640VTHA N35541742W083534102    N35541742W083534102W0030012902     NARVOLUNTEER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BUZBY K70    R     N35521623W083552586                      W0054     NAR           BUZBY OM
        SUSAEAENRT   GROSS K70    C   L N35344044W084201042                      W0050     NAR           GROSS
        SUSAEAENRT   HIGAR K70    R     N35535971W083531918                      W0054     NAR           HIGAR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7ATYS     0     090YHN35483950W083593850W003000981         1800018000C    MNAR    MC GHEE TYSON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7FL23R  AVXV   010VXV  K7D 0VE AL   PI IBUIK7      0469008309480150PI  + 05000     18000                 0 NS
        SUSAP KTYSK7FL23R  L      010HIGARK7EA0E  I    IF IBUIK7      04980082        PI  + 03000     18000                 0 NS
        SUSAP KTYSK7FL23R  L      020BUZBYK7EA0E  F    CF IBUIK7      0498005823000024PI  + 02400                 VXV   K7D 0 NS
        SUSAP KTYSK7FL23R  L      030RW23RK7PG0GY M    CF IBUIK7      0498001723000042PI    01029             -310          0 NS
        SUSAP KTYSK7FL23R  L      040          0  M    CA                      2298        + 02000                         0 NS
        SUSAP KTYSK7FL23R  L      050          0       VI                      2400                                        0 NS
        SUSAP KTYSK7FL23R  L      060GROSSK7EA0EY      CF VXV K7      2309029123090160D   + 03000                         0 NS
        SUSAP KTYSK7FL23R  L      070GROSSK7EA0EE  R   HM                      0509T010    + 03000                         0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7GRW23R   0090052278 N35491875W083590262-0600    +0267100977000053150IIBUI2

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7IIBUI2   011170RW23RN35480830W0840028562298N35491433W0835914851039 10270399300W00505300975

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTYSK7SVXV  K7D                 0   0202700512527002007925                                                          M
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CITY AND STATE	ELEVATION: 981 THRE: 977	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KNOXVILLE, TN	AIRPORT NAME: MC GHEE TYSON	I-BUI	ILS OR LOC RWY 23R, AMDT 12 ILS RWY 23R (SA CAT I) 26 JULY 2012 ILS RWY 23R (CAT II)	AMDT: 11 DATED: 05/12/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VXV	VXV	010	IAF	PI	L	FB		094.8()	015.0	AA 05000	
		HIGAR	010	FACF	IF		FB				AA 03000	
		BUZBY	020	FAF	CF		FB		230.0()	002.4	AA 02400	
		RW23R	030	MAP	CF		FO		230.0()	004.2	AT 01029	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		229.8()		AA 02000	
		050		VI		FB		240.0()			
	GROSS	060		CF		FO		230.9()	016.0	AA 03000	
	GROSS	070		HM	R	FO		050.9()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.02	N3554.290	W08353.684
	BUZBY	N355216.23	W0835525.86	N3552.271	W08355.431
	GROSS	N353440.44	W0842010.42	N3534.674	W08420.174
	HIGAR	N355359.71	W0835319.18	N3553.995	W08353.320
	RW23R	N354918.75	W0835902.62	N3549.313	W08359.044
	IBUI (LOC)	N354808.30	W0840028.56	N3548.138	W08400.476

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23R	00977	53

CITY AND STATE	ELEVATION: 981 THRE: 977	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KNOXVILLE, TN	AIRPORT NAME: MC GHEE TYSON	I-BUI	ILS OR LOC RWY 23R, AMDT 12 ILS RWY 23R (SA CAT I) 26 JULY 2012 ILS RWY 23R (CAT II)	AMDT: 11 DATED: 05/12/2005