

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KTYS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 23R ILS RWY 23R (SA CAT I), ILS RWY 23R (CAT II)	<u>ORIGINAL/AMENDMENT</u> 14A	<u>CITY</u> KNOXVILLE	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 986	<u>TDZE</u> 984	<u>SUPERSEDED</u> ILS OR LOC RWY 23R ILS RWY 23R (SA CAT I), ILS RWY 23R (CAT II)	<u>ORIGINAL/AMENDMENT</u> 14	<u>DATED</u> 08/12/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-BUI	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
NEYN/VXV VORTAC 4.66 DME	IF/IAF	HIGAR INT					230.83	4.64 (I-BUI)	3000
HIGAR INT		BUZBY OM/VXV VORTAC 2.47 DME/RADAR					230.83	2.43 (I-BUI)	2400

MISSED APPROACH

MAP:

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

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 240 AND VXV VORTAC R-231 TO GROSS INT/VXV 29.13 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2. HOLD NE NEYLN, LT, 232.99 INBOUND, 4100 FT. IN LIEU OF PT (IAF), MAX 10000.						
3. FAC:	230.83	FAF: BUZBY OM/VXV VORTAC 2.47 DME/RADAR	DIST FAF TO MAP: 4.17	DIST FAF TO THLD: 4.17		
4. MIN ALT: NEYLN/VXV VORTAC 4.66 DME 4100, HIGAR INT 3000, BUZBY OM/VXV VORTAC 2.47 DME/RADAR 2400						
5. DIST TO THLD FROM OM:	MM: 0.32	IM:	100 HAT: 897	150 HAT: 1851	GS ANT: 1028	
6. MIN GS INCPT:	2400	GS ALT AT FAF :		OM: 2364	MM: 1164	IM:
7. GP ANGLE:	3.00	34:1:	20:1:	TCH: 53.0		
8. MSA FROM: VXV VORTAC 090-200 7900, 200-090 5100						



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23R: CAT A, B, C, D, RA 150, RVR 1400, HAT 150, DA 1134 MSL.
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 23R: CAT A, B, C, D, RA 103, RVR 1200, HAT 100, DA 1084 MSL.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT NEYLN ON V466-519 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: CAUTION: RIZEN OM FOR DOWNTOWN ISLAND RWY 26 MAY BE RECEIVED PRIOR TO BUZBY OM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 23R CAT E VISIBILITY TO RVR 4000; INCREASE S-LOC 23R CAT C/D/E VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

CHART DOWNTOWN ISLAND AIRPORT
CHART RIZEN OM.
HOLD SW, RT, 050.88 INBOUND.
FAS OBST: 1300 AAO 355136N/0835603W.
1340 AAO 355207N/0835444W.
CHART VDP AT 4.99 DME
DISTANCE VDP TO THLD 1.63 NM.
CHART: ASR.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D, E 1000-3

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 23R	1184	1800	200	1184	1800	200	1184	1800	200	1184	1800	200	1184	1800	200
S-LOC 23R	1560	2400	576	1560	2400	576	1560	1 1/4	576	1560	1 1/4	576	1560	1 1/4	576
CIRCLING	1560	1	574	1560	1	574	1660	2	674	1900	3	914	1900	3	914

CHANGES - REASONS

1. LINE 5 CHANGED FROM DIST TO THLD FROM MM: 0.4 TO MM: 0.32 - CORRECTING DOCUMENTATION FROM AMENDMENT 14 - RUNWAY CONSTRUCTION AND FACILITY MOVED.
2. LINE 6 CHANGED FROM OM:2408 MM:1194 TO OM:2364 MM:1164 - CORRECTING DOCUMENTATION FROM AMENDMENT 14 - RUNWAY CONSTRUCTION AND FACILITY MOVED.
3. REMOVED DIST FROM THLD TO OM - BUZBY OM IS THE FAF, DIST FROM THLD TO FAF IS LISTED ON LINE 3.
4. CHANGED INOPERATIVE ALS NOTE FROM "INCREASE S-LOC CAT C/D/E VISIBILITY TO 1 5/8 SM" TO "INCREASE S-ILS 23R CAT E VISIBILITY TO RVR 4000; INCREASE S-LOC 23R CAT C/D/E VISIBILITY TO 1 5/8 SM" - 8260.3D 3-3-2



AIRPORT ID
KTYS

PROCEDURE NAME
ILS OR LOC RWY 23R
ILS RWY 23R (SA CAT I),
ILS RWY 23R (CAT II)

ORIGINAL/AMENDMENT
14A

CITY
KNOXVILLE

STATE
TN

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZTL, TYS APP CON, TYS ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

DEVELOPED BY

TYLER MITCHELL

Digitally signed by
TYLER D MITCHELL
Jul 16, 2021

LONNIE EVERHART

Aug 18, 2021

OFFICE

AJV-A432

DATE

07/13/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by
LONNIE EVERHART
Aug 18, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

QUALITY
20
CHECKED