

**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</u> GREENBRIER VALLEY	<u>AIRPORT ID</u> KLWB	<u>PROCEDURE NAME</u> ILS OR LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 12	<u>CITY</u> LEWISBURG	<u>STATE</u> WV	
<u>AIRPORT ELEVATION</u> 2302	<u>TDZE</u> 2288	<u>SUPERSEDED</u> ILS OR LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 11A	<u>DATED</u> 06/21/2018	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-LWB	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 315/30 CW 135/30	NOPT	315/5 CW 135/5		6700
2. 315/5 CW 135/5		YAMEN	IF/IAF	5000
3. 135/30 CW 315/30		135/5 CW 315/5		6800
4. 135/5 CW 315/5		YAMEN	IF/IAF	5000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YAMEN/LWB 12.58 DME	IF/IAF	BUSHI LOM/LWB 6.10 DME					045.38	6.49 (I-LWB)	4100

MISSED APPROACH

MAP:

ILS: DA

LOC: 4.61 NM AFTER BUSHI LOM/LWB 6.10 DME OR AT OBGIW/LWB 1.49 DME FIX

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 THEN CLIMBING LEFT TURN TO 6000 DIRECT EBALY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW YAMEN, RT, 045.38 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 045.38 FAF: BUSHI LOM/LWB 6.10 DME DIST FAF TO MAP: 4.61 DIST FAF TO THLD: 5.04
4. MIN ALT: YAMEN/LWB 12.58 DME 5000, BUSHI LOM/LWB 6.10 DME 4100,
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1012
6. MIN GS INCPT: 4100 GS ALT AT FAF : OM: 3996 MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 50.8
8. MSA FROM:

EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS REQUIRED.
ADF OR DME REQUIRED FOR LOC ONLY.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2700.
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS INCREASE S-ILS 4 ALL CATS VISIBILITY TO 7/8 SM, INCREASE S-LOC 4 CATS A/B TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART: LOCALIZER OFFSET 2.09 DEGREES.
CHART VDP AT 2.32 DME*
DISTANCE VDP TO THLD 1.26 NM
* LOC ONLY
FAS OBST: 2460 AAO 374732N/0802654W.
FAC CROSSES RWY C/L EXTENDED 2613 FT FROM THLD.
HOLD SW, RT, 028.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT C 1000-3, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 04	2559	3/4	271	2559	3/4	271	2559	3/4	271	2559	3/4	271			
S-LOC 04	2720	3/4	432	2720	3/4	432	2720	3/4	432	2720	3/4	432			
CIRCLING	2840	1	538	3040	1	738	3280	3	978	3680	3	1378			



CHANGES - REASONS

- 1. S-ILS 4 DA/HAT CHANGED FROM 2558/270 ALL CATS TO 2559/271 - NEW AIRPORT SURVEY, TARGETS EVALUATION.
- 2. S-LOC 4 MDA/HAT DECREASED FROM 2740/452 ALL CATS TO 2720/432, DECREASED S-LOC CAT C/D VISIBILITIES FROM 7/8 SM TO 3/4 SM - NEW CONTROLLING OBSTACLE, NEW AIRPORT SURVEY, TARGETS EVALUATION, VISCHECK CALCULATION.
- 3. CHANGED BUSHI LOM/LWB DME FROM 6.09 NM TO 6.1 NM - UPDATED BUSHI LOM DATA.
- 4. PFAF ALTITUDE, GS INTERCEPTION CHANGED FROM 3967 FEET TO 3966 - NEW AIRNAV DATA.
- 5. ADDITIONAL FLIGHT DATA; LOCALIZER OFFSET CHANGED FROM 2.08 DEGREES TO 2.09 DEGREES - ROUNDING TARGETS EVALUATION.
- 6. ADDITIONAL FLIGHT DATA; CHANGED FROM "CHART VDP AT 2.30 DME; DISTANCE VDP TO THLD 1.30 MILES * LOC ONLY" TO "CHART VDP AT 2.32 (LWB: VOR/DME) DISTANCE VDP TO THLD 1.26 NM (*LOC ONLY)" - TARGETS EVALUATION.
- 7. INTERMEDIATE FIX (TILFO) REMOVED FROM IAP, NEW INTERMEDIATE FIX (YAMEN) CREATED - TILFO NOT RELOCATED SINCE ITS AN ENROUTE FIX, YAMEN PLACED TO MEET MINIMUM INTERMEDIATE LENGTH CRITERIA PER 8260.3D 2-5-3.B.
- 8. REMOVED FEEDER INTERSECTIONS/DISTANCES FOR FIXES (EBALY) AND (TILFO) REFERENCES TO VORS (ROA), RNL) AND (LWB) - FPT REQUEST PER VOR MON, DECOMMISSIONING OF VORS.
- 9. ADDED RNAV 1-GPS REQUIRED AND ADF OR DME REQUIRED FOR LOC ONLY TO EQUIPMENT REQUIREMENTS NOTES - FPT REQUEST PER VOR MON, DECOMMISSIONING OF VORS, FEEDERS REMOVED.
- 10. REMOVED MSA AND ADDED TAA - PER CATEX PLAN, DECOMMISSIONING OF VORS, FEEDERS REMOVED.
- 11. REMOVED ALTERNATE MISSED APPROACH - PER FPT/ATC COORDINATION.
- 12. CHART NOTE; CHANGED "FOR INOPERATIVE ALS INCREASE S-ILS 4 ALL CATS VISIBILITY TO 7/8 SM, INCREASE S-LOC 4 CATS A/B TO 1 SM" TO "FOR INOPERATIVE ALS INCREASE S-ILS 4 ALL CATS VISIBILITY TO 7/8 SM, INCREASE S-LOC 4 CATS A/B TO 1 1/8 SM" - VISCHECK EVALUATION.
- 13. REMOVED THE BACK-UP ALTIMETER NOTE AND ALL ASSOCIATED NOTES - MOVED TO THE 8260-9 PART C GENERAL REMARKS, NO LONGER REQUIRED ON THE 8260-3, REMARKS IAW 8260.19H 8-6-9 F(4/6).
- 14. CHANGED CIRCLING CAT D CMDA/HAA FROM 3700/1398 TO 3680/1378 - NEW CONTROLLING OBSTACLE, TARGETS EVALUATION.
- 15. ADDED MAP FIX NAME OBGIW - ADDED IAW 8260.19H PARA 2-10-5.A.(3)(B).

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC, AMGR, KLWB ATCT

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by
WARDELL HENNING
Oct 31, 2019

OFFICE	DATE
FICO	1/21/20

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

Digitally signed by
WARDELL HENNING
Oct 31, 2019

OFFICE	DATE
AJV-A432	08/05/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Oct 31, 2019

OFFICE
AJV-A430

DATE

TITLE
MANAGER

