

**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> KMDH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 18L	<u>ORIGINAL/AMENDMENT</u> 13A	<u>CITY</u> CARBONDALE/MURPHYSBORO	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 411	<u>TDZE</u> 407	<u>SUPERSEDED</u> ILS OR LOC RWY 18L	<u>ORIGINAL/AMENDMENT</u> 13	<u>DATED</u> 02/11/2010	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-MDH	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 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>
GENTS INT		CABBI LOM					042.21	11.15	2400
MWA VOR/DME		CABBI LOM					298.04	13.11	2400
ENL VORTAC	IAF	HEMPA INT	NOPT				184.47	27.04	2400
HEMPA INT	IF	CABBI LOM					182.22	6.21	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.89 NM AFTER CABBI LOM

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 2400 DIRECT CABBI LOM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 300 AND MWA VOR/DME R-262 TO GENTS INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

PROFILE:

1. PT L SIDE OF COURSE 002.22 OUTBOUND 2400 FT WITHIN 10 MILES OF CABBI LOM (IAF)

2.

3. FAC: 182.22 FAF: CABBI LOM DIST FAF TO MAP: 4.89 DIST FAF TO THLD: 4.89

4. MIN ALT: CABBI LOM 2100

5. DIST TO THLD FROM OM: 4.89 MM: IM: 150 HAT: GS ANT: 1005

6. MIN GS INCPT: 2100 GS ALT AT FAF : OM: 2037 MM: IM:

7. GP ANGLE: 3.00 34:1: 20:1: TCH: 54.7

8. MSA FROM: CABBI LOM 090-180 2700, 180-090 2400



EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.

NOTES:

CHART NOTE: CIRCLING RWY 6, 36L NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MWA VOR/DME ON V335 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ENL VORTAC ON V72 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART MWA VOR/DME R-316 AT HEMPA INT.

HOLD N, RT, 182.22 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W GENTS INT/MWA VOR/DME 18.53 DME, RT, 081.62 INBOUND.

CHART FAS OBST: 550 TREE 374944N/0891430W.

CHART IN PLANVIEW: GENTS INT/MWA VOR/DME 18.53 DME.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

<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 18L	607	1/2	200	607	1/2	200	607	1/2	200	607	1/2	200			
S-LOC 18L	800	1/2	393	800	1/2	393	800	5/8	393	800	5/8	393			
CIRCLING	900	1	489	920	1	509	1180	2 1/4	769	1180	2 1/2	769			

CHANGES - REASONS

1. RAISED S-LOC MDA/HAT ALL CATS FROM 720/313 TO 800/393 - NEW OBSTACLE EVALUATION.
2. RAISED S-LOC CAT C VISIBILITY FROM 1/2 TO 5/8, LOWERED CAT D FROM 3/4 TO 5/8 - MDA INCREASE/TABLE 3-3-1
3. RAISED CIRCLING CAT B MDA/HAA FROM 900/489 TO 920/509, CAT C MDA/HAA FROM 900/489 TO 1180/769, CAT D MDA/HAA FROM 980/569 TO 1180/769 - NEW CIRCLING CRITERIA ADDED WITH NEW OBSTACLE EVALUATION.
4. RAISED CIRCLING CAT C VISIBILITY FROM 1 1/2 TO 2 1/4, CAT D VISIBILITY FROM 2 TO 2 1/2 - NEW CIRCLING CRITERIA ADDED WITH UPDATED OBSTACLE EVALUATION AND VIS CHECK PER 8260.3D TABLE 3-3-7.
5. REMOVED BACK UP ALTIMETER NOTES AND MOVED TO BACK OF -9 AS CONTINGENCY NOTES - IAW 8260.19H 8-6-9F(3).
6. CHANGED CHART FAS OBST FROM 463 TREE 374747N/0891443W TO 550 TREE 374944N/0891430W - NEW OBSTACLE EVALUATION.
7. ADDED CHART NOTE: CIRCLING RWY 6, 36L NA AT NIGHT - 20:1 VISUAL PENETRATIONS EXIST IN OBSTACLE EVALUATION FOR RWY 6 AND 36L.
8. MOVED ADF REQUIRED FROM CHART NOTES TO EQUIPMENT REQUIREMENTS NOTES - IAW 8260.19H PARA 8-6-8A(2)(B).
9. ADDED ALTERNATE MINIMUMS ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED - FACILITY IS CAT I WHEN TOWER OPEN.
10. DIST FAF TO MAP: AND DIST FAF TO THLD: UPDATED FROM 4.88 TO 4.89 ON PROFILE LINE 3 AND DIST TO THLD FROM OM: FROM 4.88 TO 4.89 ON PROFILE LINE 5 - NEW PROCEDURE EVALUATION.
11. IF DIST FROM HEMPA INT TO CABBI LOM DECREASED FROM 6.22 NM TO 6.21 NM - DIST FAF TO MAP INCREASED .01 NM.
12. ADDED PROCEDURE NA NOTE AT MWA VOR/DME - TURN ON EXCEEDS 120 DEGREES.

AIRPORT ID
KMDH

PROCEDURE NAME
ILS OR LOC RWY 18L

ORIGINAL/AMENDMENT
13A

CITY
CARBONDALE/MURPHYSBORO

STATE
IL

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** MDH ATCT, ZKC, AMGR

FLIGHT CHECKED BY
PATRICK MURRAY.

DEVELOPED BY
WARDELL HENNING (RICHARD CHRISTENSEN)

APPROVED BY
LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Nov 03, 2020

OFFICE *Digitally signed by* **DATE**
FICO **WARDELL HENNING** 02/06/2021
Digitally signed by
WARDELL HENNING Nov 03, 2020

OFFICE **DATE**
AJV-A432 05/05/2020

OFFICE **DATE** **TITLE**
AJV-A430
MANAGER