

**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> MOORE COUNTY	<u>AIRPORT ID</u> KSOP	<u>PROCEDURE NAME</u> ILS Y OR LOC Y RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> PINEHURST/SOUTHERN PINES	<u>STATE</u> NC
<u>AIRPORT ELEVATION</u> 459	<u>TDZE</u> 455	<u>SUPERSEDED</u> ILS Y OR LOC Y RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 8W
<u>FACILITY</u> I-SOP	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 324/30 CW 144/30	NOPT	HEBNO/RADAR	IF/IAF	2500
2. 144/30 CW 324/30	PT	HEBNO/RADAR	IF/IAF	2500

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>
HEBNO/I-SOP 13.39 DME/RADAR	IF/IAF	ZIKDA/I-SOP 7.39 DME					054.23	6.00 (I-SOP)	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: I-SOP 1.10 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3300 ON HEADING 300 AND ON SDZ VORTAC R-048 TO SDZ VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW HEBNO, RT, 054.23 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 4900.
3. FAC: 054.23 FAF: ZIKDA/I-SOP 7.39 DME DIST FAF TO MAP: 6.30 DIST FAF TO THLD: 6.30
4. MIN ALT: HEBNO/I-SOP 13.39 DME/RADAR 2500, ZIKDA/I-SOP 7.39 DME 2500, WORBU/I-SOP 3.10 DME 1120*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.50 GS ANT: 861
6. MIN GS INCPT: 2500 GS ALT AT FAF : ZIKDA/I-SOP 7.39 DME 2500 OM: MM: IM:
7. GP ANGLE: 3.00 34:1 20:1 TCH: 39.0
8. MSA FROM:



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RNAV-1 GPS OR RADAR REQUIRED.

NOTES:

ADDITIONAL FLIGHT DATA:

CHART R-5311 A,B,C.
CHART 4 NM LEG ON OUTBOUND LEG OF HOLDING PATTERN AT HEBNO.
CHART CIRCLING ICON.
CHART VDP AT 2.05 DME*
DISTANCE VDP TO THLD 0.95 NM
* LOC ONLY
CHART FAS OBST: 543 TREE 351339N/0792422W.
CHART: 934 TOWER 350905N/0792839W, 619 TREE 351222N/0792558W.
HOLD W, LT, 092.11 INBOUND

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD - CAT D 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 05	655	1/2	200	655	1/2	200	655	1/2	200	655	1/2	200			
S-LOC 05	800	1/2	345	800	1/2	345	800	5/8	345	800	5/8	345			
CIRCLING	880	1	421	920	1	461	1100	1 3/4	641	1360	3	901			

CHANGES - REASONS

1. REMOVED PLANVIEW NOTE: GPS REQUIRED FOR TERMINAL AREA ARRIVAL; ADDED PBN REQUIREMENTS NOTE: RNAV-1 GPS OR RADAR REQUIRED - IAW 8260.19H PARA 8-6-8 CRITERIA.
2. REMOVED NOTE: DME REQUIRED; ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED - IAW 8260.19H PARA 8-6-8 CRITERIA.
3. REMOVED ALTERNATE MISSED APPROACH: CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 2500 DIRECT HFF NDB AND HOLD (ADF REQUIRED); REMOVED CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW HFF NDB, RT, 115.00 INBOUND - IN PREPARATION OF HFF NDB BEING DECOMMISSIONED.
4. MOVED ALL REFERENCE OF BACK-UP ALTIMETER SETTING TO -9 FOR CONTINGECY PURPOSES - LOCAL WEATHER ON WMSCR AND DEEMED RELIABLE.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: FAY APP CON, RDU FSS, ARPT MNGR

FLIGHT CHECKED BY

OFFICE

DATE

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 3, 2018. *Digitally signed by*

WARDELL HENNING

Nov 07, 2018 **OFFICE**

DATE

DEVELOPED BY

Digitally signed by

MIKE MELSSEN

Oct 31, 2018

MIKE MELSSEN

AJV-5432

10/16/2018

APPROVED BY

OFFICE

DATE

TITLE

PATRICK MULQUEEN

Digitally signed by

WARDELL HENNING

Nov 07, 2018

AJV-5430

MANAGER

