

**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> ORF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 27	<u>CITY</u> NORFOLK	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 26	<u>TDZE</u> 26	<u>SUPERSEDED</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 26G	<u>DATED</u> 09/07/2023
<u>FACILITY</u> I-ORF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 9W
				<u>EPOCH YEAR</u> 1985
				<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>
CALEY/12.62 DME/RADAR	IF	PEAAY/6.26 DME/RADAR					046.78 (I-ORF)	6.37	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.78 NM AFTER PEAAY/6.26 DME/RADAR OR AT 1.47 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 ON ORF VORTAC R-044 TO JHALL INT/ORF 11.79 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- PROFILE STARTS AT CALEY/12.62 DME/RADAR
- FAC:** 046.78 **FAF:** PEAAY/6.26 DME/RADAR **DIST FAF TO MAP:** 4.78 **DIST FAF TO THLD:** 4.78
- MIN ALT:** CALEY/12.62 DME/RADAR 2100, PEAAY/6.26 DME/RADAR 1600, ACUNO/3.87 DME/RADAR 820
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1034
- MIN GS INCPT:** 1600 **GS ALT AT PFAF:** PEAAY/6.26 DME/RADAR 1600 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 56.4
- MSA FROM:** ORF VORTAC 090-360 2300, 360-090 1800



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1180.
CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 5 CAT C AND D VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

CHART NORFOLK (ORF) VORTAC IN PLANVIEW
HOLD NE, LT, 224.40 INBOUND.
CHART FAS OBST: 183 TOWER (51-071075) 365114N/0761358W.
CHART VDP AT 2.56 DME.
DISTANCE VDP TO THLD 1.09 NM.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD - CAT D 900-2 3/4

<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*	226	2400	200	226	2400	200	226	2400	200	226	2400	200			
S-LOC 05	440	2400	414	440	2400	414	440	4000	414	440	4000	414			
CIRCLING	480	1	454	540	1	514	540	1 1/2	514	900	2 3/4	874			

CHANGES - REASONS

- PREVIOUS P-NOTAM AMENDMENTS 26D-26G INCORPORATED INTO FORMS.- IAW 8260.19K
- REMOVED ALTERNATE MISSED.- IS NOW PRIMARY MISSED
- CHART NOTES: REMOVED CHART CIRCLING ICON.- IAW 8260.19J
- AIRPORT INFO: AIRPORT ELEVATION CHANGED FROM 27 TO 26.- NEW AIRNAV DATA/SURVEY
- MINIMA: ALL HAA'S INCREASED BY 1 FT.-IAW AIRPORT ELEVATION CHANGE
- REMOVED I-ORF FROM CALEY AND PEAAY FIX DESCRIPTIONS.- IAW 8260.19K
- TERMINAL ROUTES: CALEY-PEAAY COURSE CHANGED FROM 46.79 TO 46.78 (ORF).- NEW AIRNAV DATA
- CHANGED MISSED APPROACH FROM CLIMB TO 2000 DIRECT CCV VORTAC AND HOLD TO CLIMB TO 2000 ON ORF VORTAC R-044 TO JHALL/ORF 11.79 DME AND HOLD. (OLD ALTERNATE MISSED).- ATC REQUEST FOR CCV VOR DECOMMISSIONING
- LINE 3: FAC CHANGED FROM 46.79 TO 46.78.- NEW ORF ILS AIRNAV DATA
- NOTES: ADDED ALS INOP NOTE.- IAW 8260.19K
- ADDITIONAL FLIGHT DATA: HOLDING DATA CHANGED FROM HOLD SW LT 029.00 INBOUND TO HOLD NE LT, 224.40 INBOUND.- NEW MISSED HOLDING
- ADDITIONAL FLIGHT DATA: REMOVED ALT MISSED APPROACH HOLDING DATA.- ALT MISSED NOW PRIMARY
- ADDITIONAL FLIGHT DATA: FAS OBS CHANGED FROM TOWER (51-000279) TO TOWER (51-071075).- NEW OBSTACLE EVALUATION
- ADDITIONAL FLIGHT DATA: VDP-THRESHOLD DISTANCE CHANGED FROM 1.11 NM TO 1.09 NM.- NEW PROCEDURE DATA
- ADDITIONAL FLIGHT DATA: CHARTED VDP DISTANCE CHANGED FROM 2.58 TO 2.56.- NEW PROCEDURE DATA



AIRPORT ID
ORF

PROCEDURE NAME
ILS OR LOC RWY 5

ORIGINAL/AMENDMENT
27

CITY
NORFOLK

STATE
VA

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZDC, ORF ATCT, ARPT MGR, ORF APP CON

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by

ROBERT G HAMILTON

Feb 06, 2026

OFFICE

AJF

DATE

02/05/2026

DEVELOPED BY

NICHOLAS HEIDERSTADT

Digitally signed by

ROBERT G HAMILTON

Feb 06, 2026

OFFICE

AJV-A433

DATE

09/17/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Feb 06, 2026

OFFICE

AJV-A433

DATE

04/09/2026

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> ORF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 5	<u>AMDT NO.</u> 27	<u>CITY</u> NORFOLK	<u>STATE</u> VA	<u>AIRPORT ELEVATION</u> 26	<u>FACILITY</u> I-ORF
--------------------------	---	-----------------------	------------------------	--------------------	--------------------------------	--------------------------

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM CALEY/12.62 DME/RADAR	TO PEAAY/6.26 DME/RADAR
--------------------------------------	-----------------------------------

<u>RNP</u>	<u>DISTANCE</u> 6.37	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
------------	-------------------------	------------	------------	------------	-------------

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (51-000799)	364837.43N/0761657.23W	542	20	3	1A	500					1100
TERRAIN	364442.00N/0761724.00W	127 (100)								AS1500	1600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:

FINAL: ILS

FROM PEAAY/6.26 DME/RADAR	TO RW05
-------------------------------------	-------------------

<u>RNP</u>	<u>DISTANCE</u> 4.78	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<u>HMAS</u>
------------	-------------------------	------------	------------------	-------------------	-------------

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				226

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT REMARKS:



MISSED APPROACH: ILS

FROM
DA **TO**
JHALL/ORF 11.79 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
55

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
AAO	365451.00N/0760715.00W	223	215	8	4B	1000					1300
TERRAIN	365306.00N/0761118.00W	49 (0)								AS1500	1500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
4.78 NM AFTER PEAAY/6.26 DME/RADAR OR AT 1.47 DME **TO**
JHALL/ORF 11.79 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
190

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
AAO	365451.00N/0760715.00W	223	215	8	4B	1000					1300
TERRAIN	365306.00N/0761118.00W	49 (0)								AS1500	1500

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
ORF

PROCEDURE NAME
ILS OR LOC RWY 5

AMDT NO.
27

CITY
NORFOLK

STATE
VA

AIRPORT ELEVATION
26

FACILITY
I-ORF

PRIMARY NAVAID
I-ORF

MONITOR POINT
ORF ATCT

HRS OPERATION
24

CAT
1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - REIL, MIRL, PAPI-2L	NPI-G	
RW32 - REIL, MIRL, PAPI-2L	NPI-G	
RW05 - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH
RW23 - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	ROLL OUT

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
20.6

TCH
56.4

ELEV GS ANTENNA
22.3

DISTANCE FROM RWY
1034

VGSI ANGLE
3.00

TCH
71.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE 1001

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FLIGHT CHECK MINIMUM ALTITUDE AT CALEY 2100 LOCALIZER RESTRICTION,
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID
ORF

PROCEDURE NAME
ILS OR LOC RWY 5

AMDT NO.
27

CITY
NORFOLK

STATE
VA

AIRPORT ELEVATION
26

FACILITY
I-ORF

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.21
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.91
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	037.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	4.78
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.25
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	037.78
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	365316.92N/0761222.32W
ARP COORDINATES	365344.27N/0761155.92W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 23 DISTANCE 0.74 NM
FAF COORDINATES	364929.79N/0761601.31W
FIX NAME COORDINATES	

REMARKS

THLD COORDINATES IS FOR DRWT.
THLD DISPLACED 1001FT, ACTUAL COORDINATES: 365309.10N/0761229.86W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
NICHOLAS HEIDERSTADT	AJV-A433	09/17/2025	AERONAUTICAL INFORMATION SPECIALIST

