

**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> ZANESVILLE MUNI	<u>AIRPORT ID</u> KZZV	<u>PROCEDURE NAME</u> ILS OR LOC RWY 22	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ZANESVILLE	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 900	<u>TDZE</u> 892	<u>SUPERSEDED</u> ILS OR LOC RWY 22	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 6W
<u>FACILITY</u> I-TNF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1990

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZZV VOR/DME		CEVAY/I-TNF 12.34 DME					039.53	12.00	3000
CINAB/ZZV 12.00 DME CW	IAF	CEVAY/I-TNF 12.34 DME	NOPT				12.00 DME ARC (ZZV LR-029)		3000
SABGE/ZZV 12.00 DME CCW	IAF	CEVAY/I-TNF 12.34 DME	NOPT				12.00 DME ARC (ZZV LR-050)		3000
AMALE/ZZV 12.00 DME CW	IAF	CEVAY/I-TNF 12.34 DME	NOPT				12.00 DME ARC (ZZV LR-029)		3000
MUNOE/ZZV 12.00 DME CCW	IAF	CEVAY/I-TNF 12.34 DME	NOPT				12.00 DME ARC (ZZV LR-050)		3000
CEVAY/I-TNF 12.34 DME	IF/IAF	PENIC/I-TNF 10.19 DME					219.84	2.15 (I-TNF)	2700
PENIC/I-TNF 10.19 DME		PROLE/I-TNF 6.27 DME					219.84	3.92 (I-TNF)	2600

MISSED APPROACH

MAP:

ILS: DA
LOC: I-TNF 0.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 360 AND I-TNF LOCALIZER NE COURSE (040) TO CEVAY/I-TNF 12.34 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 050 AND ZZV VOR/DME R-090 TO SABGE/ZZV 12.00 DME AND HOLD.



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NE CEVAY, RT, 219.84 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 5300.
- 3. **FAC:** 219.84 **FAF:** PROLE/I-TNF 6.27 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.28
- 4. **MIN ALT:** CEVAY/I-TNF 12.34 DME 3000, PENIC/I-TNF 10.19 DME 2700, PROLE/I-TNF 6.27 DME 2600, JAVOG/I-TNF 2.95 DME 1540
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 801
- 6. **MIN GS INCPT:** 2600 **GS ALT AT FAF :** PROLE/I-TNF 6.27 DME 2600 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 48.1
- 8. **MSA FROM:** ZZV VOR/DME 2700

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: USE I-TNF DME WHEN ON THE LOCALIZER COURSE.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART ZZV R-298 AT CINAB.
 CHART ZZV R-090 AT SABGE.
 CHART ZZV R-280 AT AMALE.
 CHART ZZV R-109 AT MUNOE.
 CHART VDP AT 2.32 DME*
 DISTANCE VDP TO THLD 1.33 NM
 * LOC ONLY
 CHART FAS OBST: 1075 TOWER 395824N/0815139W.
 1240 AAO 400105N/0814846W.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E SABGE, RT, 270.40 INBOUND.

MINIMUMS:

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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E		
	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 22	1092	3/4	200	1092	3/4	200	1092	3/4	200	1092	3/4	200			
S-LOC 22	1340	1	448	1340	1	448	1340	1 3/8	448	1340	1 3/8	448			
CIRCLING	1380	1	480	1420	1	520	1560	1 3/4	660	1620	2 1/4	720			



CHANGES - REASONS

1. REMOVED INITIAL SEGMENT FROM CTW VOR/DME TO CEVAY/I-TNF 12.34 DME - CTW VOR DECOM FOR MON.
2. CHANGED FAF DISTANCE TO THLD FROM 5.21NM TO 5.28NM - TCH CHANGED FROM 48.8 TO DESIGN TCH 48.1.
3. CHANGED FAF NAME/DISTANCE HOLAX/I-TNF FROM 6.20 DME TO PROLE/I-TNF 6.27 DME - REMOVED/CANCELED FIX HOLAX - CO-LOCATED PFAF LOCATION FOR THE RNAV AND ILS RWY 22 AND UTILIZED PROLE FIX NAME - TCH CHANGED FROM 48.8 TO DESIGN TCH 48.1.
4. TERMINAL ROUTE DISTANCE CHANGED FROM PENIC TO HOLAX 4.00NM TO PENIC TO PROLE 3.92NM - REMOVED/CANCELED FIX HOLAX - TCH CHANGED FROM 48.8 TO DESIGN TCH 48.1.
5. UPDATED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 DIRECT CTW VOR/DME AND HOLD; TO CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 050 AND ZZV VOR/DME R-090 TO SABGE/ZZV 12.00 DME AND HOLD.
6. RAISED CIRCLING CAT B HAA/MDA FROM 500/1400 TO 520/1420 - NEW CONTROLLING OBSTACLE.
7. LOWERED CIRCLING CAT C HAA/MDA/VIS FROM 720/1620/2 TO 660/1560/1 3/4 - NEW AIRPORT SURVEY.
8. REDUCED S-LOC CAT D VISIBILITY FROM 1 1/2SM TO 1 3/8SM - NEW AIRPORT SURVEY.
9. ADDED LOCALIZER SDF JAVOG/I-TNF 2.95 DME ON FINAL - MAINTAIN CURRENT MINIMUMS.
10. ADDED 1240 (7:1) OBSTACLE AAO TO AITIONAL FLIGHT DATA NOTES.
11. ADD CHART PROFILE NOTE: USE I-TNF DME WHEN ON LOCALIZER COURSE - IAW 8260-19H.
12. UPDATED MISSED APPROACH INSTRUCTIONS FROM - CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 360 AND I-TNF NE COURSE TO CEVAY/I-TNF 12.34 DME AND HOLD TO - CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 360 AND I-TNF LOCALIZER NE COURSE (040) TO CEVAY/I-TNF 12.34 DME AND HOLD.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZID, AMGR

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by **OFFICE** **DATE**
WARDELL HENNING FICO 10/04/19
 Oct 08, 2019

DEVELOPED BY

WARDELL HENNING (ANTHONY KACZKA)

Digitally signed by **OFFICE** **DATE**
WARDELL HENNING AJV-A432 06/06/2019
 Oct 08, 2019

APPROVED BY

LONNIE EVERHART

Digitally signed by **OFFICE** **DATE** **TITLE**
WARDELL HENNING AJV-A430 06/06/2019 **MANAGER**
 Oct 08, 2019

