

**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.

AIRPORT ID CLE	PROCEDURE NAME ILS OR LOC RWY 6R ILS RWY 6R (SA CAT II)	ORIGINAL/AMENDMENT 23	CITY CLEVELAND	STATE OH
AIRPORT ELEVATION 800	TDZE 6R 777 6L 773	SUPERSEDED ILS OR LOC RWY 6R ILS RWY 6R (SA CAT II)	ORIGINAL/AMENDMENT 22	DATED 05/24/2018
FACILITY I-CLE	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 8W
				EPOCH YEAR 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GROHL	IAF	SHEEP		TF	FB	1.00	359.00	6.74	3900
SHEEP		DOORZ		TF	FB	1.00	037.84	2.96	2900
HICKR	IAF	DAUGS		TF	FB	1.00	140.32	4.97	4000
DAUGS		DOORZ		TF	FB	1.00	079.96	3.41	2900
RUHSH/I-CLE 17.86 DME	IAF	RMONZ/I-CLE 11.68 DME					057.94 (I-CLE)	6.18	4000
RMONZ/I-CLE 11.68 DME		DOORZ/I-CLE 8.18 DME					057.94 (I-CLE)	3.50	2900
DOORZ/I-CLE 8.18 DME	IF	DILYN/I-CLE 5.18 DME					057.94 (I-CLE)	3.00	2000
DILYN/I-CLE 5.18 DME	FAF	I-CLE 1.61 DME	MAP				057.94	3.57	
I-CLE 1.61 DME	MAP	977 MSL		CA			057.94		
977 MSL		MOMBE		DF	FB	1.00			
MOMBE		NEIL		TF	FO	1.00	099.37	6.65	3000

MISSED APPROACH

MAP:

ILS: DA
LOC: I-CLE 1.61 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MOMBE AND ON TRACK 099.37 TO NEIL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | |
|---|-----------------------|------------------------|---------------------------|-------------------------|-------------------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. PROFILE STARTS AT DOORZ/I-CLE 8.18 DME | | | | | |
| 3. FAC: | 057.94 | FAF: | DILYN/I-CLE 5.18 DME | DIST FAF TO MAP: | DIST FAF TO THLD: 3.57 |
| 4. MIN ALT: DOORZ/I-CLE 8.18 DME 2900, DILYN/I-CLE 5.18 DME 2000 | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | IM: | 100 HAT: 947 | 150 HAT: |
| 6. MIN GS INCPT: | 2000 | GS ALT AT PFAF: | DILYN/I-CLE 5.18 DME 2000 | OM: | GS ANT: 1020 |
| 7. GS ANGLE: | 3:10 | 34:1: | 20:1: | TCH: 58.4 | IM: |
| 8. MSA FROM: DJB VOR/DME 3100 | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 6R: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 877 MSL
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.
 SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. SIMULTANEOUS OPERATIONS REQUIRE USE OF VERTICAL GUIDANCE; MAINTAIN LAST ASSIGNED ALTITUDE UNTIL ESTABLISHED ON GLIDESLOPE.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 6L.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 6R CATS C/D VISIBILITY TO 1 3/8 SM.
 CHART SPEED ICON IN PLANVIEW AT GROHL: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT HICKR: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT RUHSH: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 279.00 INBOUND.
 CHART FAS OBST: 922 POLE (39-118018) 412229N/0815443W.
 CHART VDP AT 2.93 DME.
 DISTANCE VDP TO THLD 1.31 NM.
 CHART MANDATORY 6000 AT GROHL.
 CHART MANDATORY 5000 AT HICKR.
 CHART AT OR ABOVE 6000 AT RUHSH.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD

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 06R	977	1800	200	977	1800	200	977	1800	200	977	1800	200				
S-LOC 06R	1260	2400	483	1260	2400	483	1260	5000	483	1260	5000	483				
SIDESTEP 06L	1260	1 1/2	487	1260	1 1/2	487	1260	1 1/2	487	1260	2	487				
CIRCLING	1420	1	620	1420	1	620	1420	1 3/4	620	1420	2	620				



CHANGES - REASONS

1. REMOVED CAPTURE FIX POAST. - PER FPR REQUEST; WAIVER SUBMITTED.
2. UPDATED SIDESTEP 06L CAT A/B VISIBILITY FROM RVR 5500 TO 1 1/2 SM. - IAW 8260.3G TABLE 3-3-1.
3. UPDATED MISSED APPROACH INSTRUCTION FROM "CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3100 ON CXR VOR/DME R-265 TO NEIL/CXR 21.51 DME AND HOLD" TO "CLIMB TO 3000 DIRECT MOMBE AND ON TRACK 099.37 TO NEIL AND HOLD." - CXR VORMON; UPDATED TO MATCH RNAV (GPS) Y RWY 6R.
4. REMOVED ALTERNATE MISSED APPROACH: CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3100 ON DJB VOR/DME R-082 TO NEIL/DJB 24.57 DME AND HOLD. - PER FPT REQUEST.
5. UPDATED ADDITIONAL FLIGHT DATA: MA HOLD FROM HOLD E, RT, 264.73 INBOUND TO HOLD E, RT, 279.00 INBOUND. - NEW MISSED APPROACH PER FPT REQUEST.
6. REMOVED ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E NEIL/DJB 24.57 DME, RT, 261.57 INBOUND. - ALTERNATE MISSED APPROACH REMOVED.
7. UPDATED FAS OBST FROM 999 AAO 412155N/0815550W TO 922 POLE (39-118018) 412229N/0815443W. - NEW LOC FINAL CONTROLLING OBSTACLE.
8. UPDATED CHART VDP FROM "AT 2.99 DME"; DISTANCE VDP TO THLD 1.38 NM. *LOC ONLY." TO "AT 2.93 DME. DISTANCE VDP TO THLD 1.31 NM." - NEW EVALUATION COMPLETED; *LOC ONLY NOT REQUIRED.
9. UPDATED SA CAT II CHART NOTE: FROM "REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN" TO "REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL." - IAW 8260.19K 8-6-12 M(2).
10. UPDATED ADDITIONAL FLIGHT DATA FROM CHART MINIMUM 6000 AT RUHSH TO CHART AT OR ABOVE 6000 AT RUHSH. - IAW 8260.19K 8-6-11 N.
11. PBN REQUIREMENTS NOTE: REMOVED RNAV 1; ADDED RNP APCH - GPS. - RNAV 1 USED FOR FEEDERS, NOT INITIALS SEGMENTS IAW 8260.19K 8-6-8 D.

10/02/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/25/2025.

1. TERMINAL ROUTES: REMOVED ROUTE FROM DILYN/I-CLE 5.18 DME TO RW06R.
2. TERMINAL ROUTES: ADDED DISTANCE 6.65 NM TO ROUTE FROM MOMBE TO NEILL.
3. PROFILE LINE 4: REMOVED "GROHL 6000, HICKR 5000, RUHSH/I-CLE 17.86 DME 6000".
4. PRN REQUIREMENTS: REMOVED "FROM GROHL, HICKR, AND RUHSH: RNAV 1-DME/DME/IRU OR GPS REQUIRED FOR PROCEDURE ENTRY. AIRCRAFT NOT DME/DME/IRU OR GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY."
5. EQUIPMENT REQUIREMENTS: REMOVED NOTE "DME REQUIRED."

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOB, CLE APP CON, CLE ATCT, AMGR

FLIGHT CHECKED BY
KENNETH EARL JACK

Digitally signed by
CASIMIR L TABAKA
Oct 03, 2025

OFFICE
FIOG **DATE**
09/27/2025

DEVELOPED BY
CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
CASIMIR L TABAKA
Oct 03, 2025

OFFICE
AJV-A432 **DATE**
07/25/2025

APPROVED BY
CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Oct 03, 2025

OFFICE
AJV-A430 **DATE**
TITLE
MANAGER



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

<u>AIRPORT ID</u> CLE	<u>PROCEDURE NAME</u> ILS OR LOC RWY 6R ILS RWY 6R (SA CAT II)	<u>AMDT NO.</u> 23	<u>CITY</u> CLEVELAND	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 800	<u>FACILITY</u> I-CLE
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM GROHL **TO** SHEEP

<u>RNP</u> 1.00	<u>DISTANCE</u> 6.74	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-000125)	411610.19N/0820015.50W	1649	250	50	4D	1000				AT1251	3900
TERRAIN	411039.00N/0820003.00W	1023 (1000)								AS1500	2500

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>
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SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM SHEEP **TO** DOORZ

<u>RNP</u> 1.00	<u>DISTANCE</u> 2.96	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-002932)	411813.13N/0820120.52W	1081	50	10	2B	1000				AT819	2900
TERRAIN	411700.00N/0815812.00W	839 (800)								AS1500	2300

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>
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SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

INITIAL

FROM
HICKR

TO
DAUGS

RNP
1.00

DISTANCE
4.97

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-002337)	412200.09N/0820417.67W	1035	20	3	1A	1000				AT1965	4000
TERRAIN	411703.00N/0820406.00W	803 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM
DAUGS

TO
DOORZ

RNP
1.00

DISTANCE
3.41

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-002932)	411813.13N/0820120.52W	1081	50	10	2B	1000				AT819	2900
TERRAIN	411909.00N/0815803.00W	836 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

INITIAL

FROM
RUHSH/I-CLE 17.86 DME

TO
RMONZ/I-CLE 11.68 DME

RNP

DISTANCE
6.18

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-026504)	411407.00N/0820851.00W	1209	500	50	5D	1000				AT1791	4000
TERRAIN	411242.00N/0820133.00W	918 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM
RMONZ/I-CLE 11.68 DME

TO
DOORZ/I-CLE 8.18 DME

RNP

DISTANCE
3.50

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-000125)	411610.19N/0820015.50W	1649	250	50	4D	1000				AT251	2900
TERRAIN	411436.00N/0815845.00W	892 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

INTERMEDIATE

FROM
DOORZ/I-CLE 8.18 DME

TO
DILYN/I-CLE 5.18 DME

RNP

DISTANCE
3.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-003267)	411852.00N/0815549.00W	1102	250	50	4D	500				AT398	2000
TERRAIN	411909.00N/0815730.00W	836 (800)								AS1000	1800

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM
DILYN/I-CLE 5.18 DME

TO
RW06R

RNP

DISTANCE
3.57

PAT

MAP
DA

HAT
200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				977

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

FINAL: ILS SA CAT II

FROM
DILYN/I-CLE 5.18 DME

TO
RW06R

RNP

DISTANCE
3.57

PAT

MAP
DA

HAT
100

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				877

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC

FROM
DILYN/I-CLE 5.18 DME

TO
I-CLE 1.61 DME

RNP

DISTANCE
3.57

PAT

MAP
I-CLE 1.61 DME

HAT
483

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
POLE (39-118018)	412229.33N/0815443.15W	922	20	3	1A	250				XP88	1260

COMPUTATIONS

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

SEGMENT REMARKS:

XP88 TO MAINTAIN CURRENT MINIMUMS; OEAAA SYSTEM NOT AVAILABLE.



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

FINAL: LOC SIDESTEP

FROM
DILYN/I-CLE 5.18 DME

TO
I-CLE 1.61 DME

RNP
0.30

DISTANCE
3.57

PAT

MAP
I-CLE 1.61 DME

HAT
487

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (39-118018)	412229.33N/0815443.15W	922	20	3	1A	250				XP88	1260

COMPUTATIONS

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

SEGMENT REMARKS:

XP88 TO MAINTAIN CURRENT MINIMUMS; OEAAA SYSTEM NOT AVAILABLE.

MISSED APPROACH: ILS

FROM
DA

TO
NEIL

RNP
1.00

DISTANCE

PAT

MAP

HAT

HMAS
796

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (39-002147)	412522.00N/0814100.00W	1182	500	50	5D	1000					2200
TERRAIN	412515.00N/0814930.00W	839 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

MISSED APPROACH: ILS SA CAT II

FROM
DA **TO**
NEIL

RNP 1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (39-002147)	412522.00N/0814100.00W	1182	500	50	5D	1000					2200
TERRAIN	412515.00N/0814930.00W	839 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
I-CLE 1.61 DME **TO**
NEIL

RNP 1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1010

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (39-002147)	412522.00N/0814100.00W	1182	500	50	5D	1000					2200
TERRAIN	412515.00N/0814930.00W	839 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT WORST CASE VEGETATION USED WITHIN 20,000 FEET PER CENTRAL FPT CHECKLIST.
120 FT WORST CASE SHIP HEIGHT USED ON LAKE ERIE PER CENTRAL FPT EMAIL.
ILS AND LOC INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLES.
LIGHT CREDIT NOT TAKEN FOR SIDESTEP 6L MINIMUMS. WAIVER EQUIVALENT LEVEL OF SAFETY REQUIRES NO LIGHT MINIMA.
LOCALIZER STEPDOWN SEGMENT NOT REQUIRED TO RETAIN PUBLISHED MDA.
MANDATORY ALTITUDES AT GROHL AND HICKR PER ATC REQUEST TO MATCH PUBLISHED ALTITUDES ON RNAV STARS.
SA CAT II RA 100 RETAINED FROM PREVIOUS AMENDMENT.
SA CAT I MINIMUMS NOT PUBLISHED (NOT REQUESTED BY THE AIRPORT OR CENTRAL FPT).

DIST TO THLD FROM 100 HAT:
877 - (767.3 + 58.4) / 3.1 (TAN) = 947.227

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZOB ARTCC, CLE APP CON, CLE TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> CLE	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> CLE	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
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<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
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WX REMARKS:

24 HOUR ATC TOWER HAS REDUNDANT WEATHER SOURCES; BACK-UP ALTIMETER NOT REQUIRED.

<u>PRIMARY NAVAID</u> I-CLE	<u>MONITOR POINT</u> CLE ATCT	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW10 - HIRL, REIL, PAPI-4L	NPI-G	ROLL OUT
RW06L - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW06R - MALSR, TDZ, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW24L - MALSR, C/LINE, TDZ, HIRL, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW24R - ALSF-2, C/LINE, HIRL, TDZ, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW28 - MALSF, HIRL, PAPI-4R	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u> 3.10	<u>ELEV RWY THRESHOLD</u> 767.3	<u>TCH</u> 58.4	<u>ELEV GS ANTENNA</u> 766.0	<u>DISTANCE FROM RWY</u> 1020	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 72.9
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	1923
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE		



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 10		
20:1			
819 TREE (39-033073) 412502.9100N/0815129.7700W (6.33)	813 TREE (39-117150) 412503.1900N/0815129.5900W (0.93)		
<u>PENETRATIONS REMARKS:</u>			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

WAIVER: CAPTURE FIX NOT ESTABLISHED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 994 AAO 412206.00N/0815606.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID
CLE

PROCEDURE NAME
ILS OR LOC RWY 6R
ILS RWY 6R (SA CAT II)

AMDT NO.
23

CITY
CLEVELAND

STATE
OH

AIRPORT ELEVATION
800

FACILITY
I-CLE

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	2.96
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.86
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	049.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.48
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.19
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	049.94
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN) 412404.10N/0815152.04W
ARP COORDINATES 412433.87N/0815116.89W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 28 DISTANCE 1.08 NM
FAF COORDINATES 412146.18N/0815529.65W
FIX NAME COORDINATES

REMARKS

THLD DISPLACED 1923FT, ACTUAL COORDINATES: 412351.87N/0815211.35W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	07/25/2025	AERONAUTICAL INFORMATION SPECIALIST