

# RADIO FIX AND HOLDING DATA RECORD

NAME: AHLES

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420253.11N/0831226.00W

TYPE: INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	GROSSE ILE	RYS	NDB	MH	224.32	217.32				1400	17500
2	CARLETON	CRL	VORTAC	H	092.90	089.90				1400	45000

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KONZ	DETROIT/GROSSE ILE	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/07/2009

## REASON FOR REVISION:

MOVED FIX 3.79 FEET SW TO PLACE ON CENTERLINE AT 4.00 NM.  
CHANGED RAD/CRS/BRG FROM 223.32 DEGREES TO 224.32 DEGREES DUE TO MAG VAR UPDATE FROM 6W TO 7W.  
RAISED AIR/GROUND COMM ALT FROM 1000 TO 1500.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/10/2008

OFFICE: AVN-120

NAME: NEIL SIMPANEN

APPROVED BY:

DATE: 08/13/2024

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by*

**JOHN BORDY**

Jan 21, 2025

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZOB

ATC FACILITY: DTW APP CON

OTHER:

QUALITY  
8  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CARLETON VOR/DME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420252.90N/0832727.26W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	CARLETON	CRL	VOR/DME	VH							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	CRL	VOR/DME	260.00	080.00	R	1		2400	6000	4	5
2	S	CRL	VOR/DME	196.00	016.00	R	1		4000	6000	4	13
3	S	CRL	VOR/DME	180.00	360.00	R	1		4000	6000	4	13

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
2	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
2	310	STACK (26-000438)	415327.00N/0832043.00W	1386	5D
3	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
3	310	STACK (26-000438)	415327.00N/0832043.00W	1386	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS RWY 27L (SA CAT I & II)	KDTW	DETROIT	MI (US)
2	ILS PRM RWY 22L (CP)	KDTW	DETROIT	MI (US)
2	ILS RWY 22L (SA CAT I)	KDTW	DETROIT	MI (US)
3	ILS RWY 21L (SA CAT I & II)	KDTW	DETROIT	MI (US)

## REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 3W 1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J190					(US)
EN ROUTE	J34					(US)
EN ROUTE	J43					(US)
EN ROUTE	J554					(US)
EN ROUTE	J584					(US)
IAP	VOR RWY 6			KARB	ANN ARBOR	MI (US)
IAP	ILS OR LOC RWY 21L			KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 22L			KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 27L			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 22L			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 22L (CP)		2	KDTW	DETROIT	MI (US)
IAP	ILS RWY 21L (SA CAT I & II)		3	KDTW	DETROIT	MI (US)
IAP	ILS RWY 22L (SA CAT I)		2	KDTW	DETROIT	MI (US)
IAP	ILS RWY 27L (SA CAT I & II)		2	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 23			KYIP	DETROIT	MI (US)
IAP	ILS OR LOC RWY 5			KYIP	DETROIT	MI (US)
IAP	VOR-A		1	KONZ	DETROIT/GROSSE ILE	MI (US)
IAP	HI-ILS Y OR LOC Y RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-ILS Y OR LOC Y RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7			KTOL	TOLEDO	OH (US)
IAP	RNAV (GPS) RWY 25			KTOL	TOLEDO	OH (US)

REQUIRED CHARTING: MILITARY IAP, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

FIX USE: REMOVED KONZ NDB RWY 4.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

QUALITY  
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CHECKED

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: COLE NESBITT

APPROVED BY:

DATE: 04/17/2025

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

*Digitally signed by***JOHN BORDY**

Jan 21, 2025

QUALITY  
8  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GROSSE ILE NDB STATE: MI COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420604.04N/0830910.72W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	GROSSE ILE	RYS	NDB	MH							17500

## FIX RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.  
HOLDING LIMITED TO ESTABLISHED PATTERNS.

HOLDING: HOLDING TYPE OF ACTION: CANCEL

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW	RYS	NDB	223.00	043.00	R	1	2400 10000	4 9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (26-000370)	420718.61N/0831050.62W	1146	1A
1	230	STACK (26-000438)	415327.00N/0832043.00W	1386	5D
UPN	230	STACK (26-000438)	415327.00N/0832043.00W	1386	5D

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
GROSSE ILE NDB MAGNETIC VARIATION W7/2010.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 4	1	1	KONZ	DETROIT/GROSSE ILE	MI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 11/10/2016

## REASON FOR REVISION:

UPDATED HOLDING PATTERN 1 MIN HOLDING ALTITUDE  
DELETED HOLDING PATTERN 2  
UPDATED CONTROLLING OBSTRUCTIONS, PAT 1, OBS CODE/DESCRIPTION FROM 'SMOKESTACK KONZT0958' TO 'STACK 26-000370' -  
SAME HEIGHT AND LOCATION  
ADDED MAGNETIC VARIATION REMARK  
ADDED FIX USE, KDTW, ILS AND RNAV 21L PROCEDURES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 05/24/2016	OFFICE: AJV-5423	NAME: THOMAS KIRKPATRICK (LUCAS MCCLOUD)
APPROVED BY:	DATE: 04/17/2025	OFFICE: AJV-A33	NAME: JOHN BORDY

SIGNATURE: *Digitally signed by*

DISTRIBUTION: NFDC  
FPO: CEN  
ARTCC: ZOB  
ATC FACILITY: DTW APP CON  
OTHER: **JOHN BORDY**  
Jan 21, 2025

