

RADIO FIX AND HOLDING DATA RECORD

NAME: BOBCT

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 403255.62N/0820046.29W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	DRYER	DJB	VOR/DME	VH	177.00	172.00	49.00	49.00		18000	45000
2	APPLETON	APE	VORTAC	VH	053.72	047.72	35.57	35.57		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DRYER (FAC 1) AND APPLETON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J85	1, 2				(US)
EN ROUTE	Q147					(US)
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	BONZZ (RNAV)			DTW	DETROIT	MI (US)
STAR	KLYNK (RNAV)			DTW	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.
2. ADDED DRYER VOR/DME (FAC 1) USED TO ESTABLISH FIX COORDINATES.
3. FIX MAKE-UP FACILITIES: CHANGED FAC 2 CLASS FROM H TO VH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: FOREY STATE: COUNTRY: CA ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 415023.28N/0824010.71W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE		WP	143.94	323.94	R	10	10000	45000	15 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	414457.00N/0824015.00W	893	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 - LEG LENGTH 10NM REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FOREY (RNAV)		1	UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)		1	ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)		1	DET	DETROIT	MI (US)
STAR	FOREY (RNAV)		1	YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)		1	ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)		1	OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)		1	TTF	MONROE	MI (US)
STAR	FOREY (RNAV)		1	MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)		1	PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)		1	VLL	TROY	MI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 NAME: THOMAS KUKLISH

APPROVED BY: DATE: 07/30/2026 OFFICE: AJV-A33 NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by
TARA N MARTINELLI
Apr 10, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: KOZAR

STATE: WV

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403542.17N/0803505.05W

TYPE: WP, INT, DME

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	DRYER	DJB	VOR/DME	VH	127.03	122.03	85.03	85.03		18000	45000
2	ELLWOOD CITY	EWC	VOR/DME	VH	239.13	231.13	21.91	21.91		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DRYER (FAC 1) AND ELLWOOD CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
ZOB REQUEST; CREATES CROSSING RESTRICTION FOR DTW.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q178					(US)
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	BONZZ (RNAV)			DTW	DETROIT	MI (US)
STAR	KLYNK (RNAV)			DTW	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.
2. ADDED DRYER VOR/DME AND ELLWOOD CITY VOR/DME TO REMARKS FOR ESTABLISHING FIX COORDINATES.
3. AIRSPACE DOCKET: REMOVED 22-AEA-11.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A4

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: NACCA

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413517.80N/0822117.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026

RADIO FIX AND HOLDING DATA RECORD

NAME: SWETY

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423709.03N/0825604.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026

QUALITY
11
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VRNRS

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 421637.30N/0824229.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026

QUALITY
11
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WWSHR

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412034.09N/0820305.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BNGLE (RNAV)			CVG	COVINGTON	KY (US)
EN ROUTE	Q29					(US)
EN ROUTE	Q82					(US)
STAR	FOREY (RNAV)			UQG/CYQG	ONTARIO, CANADA	(CA)
STAR	FOREY (RNAV)			ARB	ANN ARBOR	MI (US)
STAR	FOREY (RNAV)			DET	DETROIT	MI (US)
STAR	FOREY (RNAV)			YIP	DETROIT	MI (US)
STAR	FOREY (RNAV)			ONZ	DETROIT/GROSSE ILE	MI (US)
STAR	FOREY (RNAV)			OZW	HOWELL	MI (US)
STAR	FOREY (RNAV)			TTF	MONROE	MI (US)
STAR	FOREY (RNAV)			MTC	MOUNT CLEMENS	MI (US)
STAR	FOREY (RNAV)			PTK	PONTIAC	MI (US)
STAR	FOREY (RNAV)			VLL	TROY	MI (US)
STAR	CBUSS (RNAV)			CMH	COLUMBUS	OH (US)
STAR	CBUSS (RNAV)			LCK	COLUMBUS	OH (US)
STAR	CBUSS (RNAV)			OSU	COLUMBUS	OH (US)
STAR	CBUSS (RNAV)			TZR	COLUMBUS	OH (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE TYPE: REMOVED FNT AIRPORT FROM FOREY (RNAV) STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: THOMAS KUKLISH

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A33

NAME: KYLE THOMPSON

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 10, 2026

QUALITY
11
CHECKED