

RADIO FIX AND HOLDING DATA RECORD

NAME: ANGGL

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421714.30N/0831931.30W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	5.92	5.91	35882	2000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: EMINN

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422252.91N/0831546.35W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	12.21	12.20		3000	5100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BZB	LOC/DME	R-033	11	3000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W.
ESV IS FOR I-BZB GS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GRDCY

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423018.98N/0831048.83W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	20.50	20.48		4000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BZB	LOC/DME	R-033	21	4000	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W.

ADDITIONAL ESV INFO: GS (R-033/19, 4000-7000), DME (R-033/21, 4000-7000).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZOB

ATC FACILITY: DTW APP CON, METRO TOWER

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HRRON

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423738.73N/0831826.46W

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
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (SA CAT I & II)(CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I & II)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM U RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 22R			KDTW	DETROIT	MI (US)
STAR	LAYKS (RNAV)			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

ADDED KDTW LAYKS STAR TO FIX USE.
ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: DAN POWELL

APPROVED BY:

DATE: 08/21/2019

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KLIER

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423355.17N/0831103.94W

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
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (SA CAT I & II)(CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I & II)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

ADDED RNAV (GPS) Z RWY 22R TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MMOTR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422831.38N/0831200.72W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	18.50	18.48		4000	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BZB	LOC/DME	R-033	19	4000	6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W.

ADDITIONAL ESV INFO: GS (R-033/17, 4000-6000), DME (R-033/19, 4000-6000).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZOB

ATC FACILITY: DTW APP CON, METRO TOWER

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PYRET

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423307.90N/0830855.82W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	23.63	23.62		4000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BZB	LOC/DME	R-033	24	4000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DME L/L: 421157.11N-0832306.18W.

ADDITIONAL ESV INFO: GS (R-033/22, 6600-8000), DME (R-033/24, 4000-8000).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZOB

ATC FACILITY: DTW APP CON, METRO TOWER

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TAYUL

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422542.16N/0831353.62W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	15.35	15.34		4000	5100

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BZB	LOC/DME	R-033	14	4000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W.
ESV FOR I-BZB GS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: VALLI

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 423356.33N/0832118.10W

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
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (SA CAT I & II) (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I & II)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM U RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 22R			KDTW	DETROIT	MI (US)
STAR	RKCTY (RNAV)			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

ADDED RNAV (GPS) Z RWY 22R TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: AUSTIN GOTCHER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZOB

ATC FACILITY: DTW APP CON, METRO TOWER

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WONDR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422003.63N/0831738.91W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	DETROIT	I-BZB	LOC/DME		033.19	026.19	9.06	9.05		3000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-BZB DME: 421157.11N-0832306.18W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1		KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/08/2018

REASON FOR REVISION:

FIX USE: DELETED RNAV (RNP) PRM U RWY 22R (CLOSE PARALLEL).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER: