

RADIO FIX AND HOLDING DATA RECORD

NAME: BAANG **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 415201.99N/0833659.29W **TYPE:** WP, RADAR, 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	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	25.03	25.04	8000	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DTW	LOC/DME	R-216	26	8000	10000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II)(CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III)(CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I)(CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
 ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
 ADDED RNAV (RNP) X RWY 4R TO FIX USE

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/16/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN
SIGNATURE:			

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY: DTW APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CAATZ

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414824.82N/0832645.92W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FIX MOVED 1.96 NM WEST
FIX NAME RETAINED, ATC OPERATIONAL REQUEST
ADDED ILS OR LOC RWY 4R TO FIX USE
ADDED ILS PRM RWY 4R(CAT II)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CAT III)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CP) TO FIX USE
ADDED ILS RWY 4R (CAT II) TO FIX USE
ADDED ILS RWY 4R (CAT III) TO FIX USE
ADDED ILS RWY 4R (SA CAT I) TO FIX USE
ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
ADDED RNAV (RNP) X RWY 4R TO FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CLEVR

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 415132.62N/0834339.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FIX MOVED 4.37 NM EAST
FIX NAME RETAINED, ATC OPERATIONAL REQUEST
ADDED ILS OR LOC RWY 4R TO FIX USE
ADDED ILS PRM RWY 4R (CAT II)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CAT III)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CP) TO FIX USE
ADDED ILS RWY 4R (CAT II) TO FIX USE
ADDED ILS RWY 4R (CAT III) TO FIX USE
ADDED ILS RWY 4R (SA CAT I) TO FIX USE
ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
ADDED RNAV (RNP) X RWY 4R TO FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CULOP

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 415733.18N/0833258.02W

TYPE: WP, RADAR, 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	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	18.75	18.76	6000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DTW	LOC/DME	R-216	19	6000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
 ADDED RNAV (RNP) X RWY 4R TO FIX USE
 ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
 UPDATED I-DTW DME COORDINATES

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ELDNN

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414800.83N/0833241.10W

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 OR LOC RWY 4R			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)			KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

ADDED ILS OR LOC RWY 4R TO FIX USE
ADDED ILS PRM RWY 4R (CAT II)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CAT III)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CP) TO FIX USE
ADDED ILS RWY 4R (CAT II) TO FIX USE
ADDED ILS RWY 4R (CAT III) TO FIX USE
ADDED ILS RWY 4R (SA CAT I) TO FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ETALE **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 420836.12N/0832452.66W **TYPE:** WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	6.17	6.18	37525	2000	5100

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT 1)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/24/2018

REASON FOR REVISION:

FIX MOVED 18.19 FT NORTHEAST
 FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
 UPDATED FAC 1 DIST FROM FAC FEET FROM 37543 TO 37525
 ADDED RNAV (RNP) X RWY 4R TO FIX USE
 ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
 UPDATED I-DTW DME COORDINATES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/16/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY: DTW APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: EVABE STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 420304.64N/0832855.75W TYPE: WP, RADAR, 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	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	12.46	12.47	4000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DTW	LOC/DME	R-216	11	4000	8000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I)(CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
 ADDED RNAV (RNP) X RWY 4R TO FIX USE
 ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
 UPDATED I-DTW DME COORDINATES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/16/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN
SIGNATURE:			
DISTRIBUTION:	NFDC FPO: CEN ARTCC: ZOB ATC FACILITY: DTW APP CON OTHER:		

RADIO FIX AND HOLDING DATA RECORD

NAME: HIMEX

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420018.93N/0833056.97W

TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	15.61	15.61		5000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DTW	LOC/DME	R-216	16	5000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
ADDED RNAV (RNP) X RWY 4R TO FIX USE
ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
UPDATED I-DTW DME COORDINATES

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JELLY

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420550.32N/0832654.35W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	9.32	9.32		3000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III)(CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT 1) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
ADDED RNAV (RNP) X RWY 4R TO FIX USE
ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
UPDATED I-DTW DME COORDINATES

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/16/2018

OFFICE: AJV-5431

NAME: NICHOLAS JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JULEP **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 415447.39N/0833458.89W **TYPE:** WP, RADAR, 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	FAC FEET	MRA	MAA
1	DETROIT	I-DTW	LOC/DME		215.69	208.69	21.90	21.90		7000	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DTW	LOC/DME	R-216	22	7000	10000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

I-DTW DME: 421359.73N/0832050.33W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/24/2018

REASON FOR REVISION:

FAC 1 MAG/TRUE BRG UPDATED FROM 215.70/208.70 TO 215.69/208.69
 ADDED RNAV (RNP) X RWY 4R TO FIX USE
 ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
 UPDATED I-DTW DME COORDINATES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/16/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY: DTW APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LUPAY

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 422622.02N/0831145.38W

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	MRA	MAA
1	DETROIT	I-DWC	LOC/DME		035.71	028.71	14.08	16.39	5000	6000
2	DETROIT	DXO	VOR/DME	H	035.18	029.18	15.56	15.56	4000	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DWC	LOC/DME	R-036	17	5000	6000

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE	DXO	VOR/DME	215.18	215.18	R	1		4000	6000	5	6
2	NE		WP	035.18	215.18	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-000093)	422858.00N/0831219.00W	1749	1D
2	200	TOWER (26-000093)	422858.00N/0831219.00W	1749	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

DETROIT (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME ANTENNA COORDINATES: 421359.73N/0832050.33W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 22L	1		KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 4R		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 22L (CP)	1		KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II)(CP)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III)(CP)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 22L (SA CAT I)	1		KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I)		1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 22L (CP)			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Z RWY 4R (CP)		2	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 22L			KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4R		2	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 22L			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM X RWY 4R		2	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 22L			KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4R		2	KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

ADDED RNAV (RNP)PRM X RWY 22L
ADDED RNAV (RNP) X RWY 22L
ADDED ILS PRM RWY 4R (CAT II)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (CAT III)(CP) TO FIX USE
ADDED ILS PRM RWY 4R (SA CAT I)(CP) TO FIX USE
ADDED ILS RWY 4R (CAT II)TO FIX USE
ADDED ILS RWY 4R (CAT III)TO FIX USE
ADDED ILS RWY 4R (SA CAT I) TO FIX USE
ADDED RNAV (RNP) X RWY 4R TO FIX USE
ADDED RNAV (RNP) PRM X RWY 4R TO FIX USE
UPDATED DME ANTENNA COORDINATES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 01/12/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN
	SIGNATURE:		
DISTRIBUTION:	NFDC FPO: CEN ARTCC: ZOB ATC FACILITY: DTW APP CON OTHER:		

RADIO FIX AND HOLDING DATA RECORD

NAME: PERLS STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 423458.42N/0831602.18W TYPE: RADAR, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SALEM	SVM	VORTAC	L	057.10	054.10	17.87	17.87		2200	17500

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE	SVM	VORTAC	057.10	237.10	R	1		4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001637)	424204.00N/0831505.00W	1450	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 4R (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT II)(CP) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CAT III) (CP) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (CP) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 4R (SA CAT I) (CP) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT II) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (CAT III) (ALT. MISS)		1	KDTW	DETROIT	MI (US)
IAP	ILS RWY 4R (SA CAT I) (ALT. MISS)		1	KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

REMOVED PSI VORTAC AS FAC 1
 ADDED DME DIST FOR VSM VORTAC
 ADDED HOLDING LIMITED TO ESTABLISHED PATTERN REMARK
 ADDED PRECIPITOUS TERRAIN EVALUATED REMARK
 REMOVED INT FROM FIX TYPE

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 06/04/2018	OFFICE: AJV-5431	NAME: NICHOLAS JACKSON
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY: DTW APP CON
 OTHER: