

RADIO FIX AND HOLDING DATA RECORD

NAME: AERIC

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 421316.14N/0830550.46W

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-DMI	LOC		095.72	088.72		12.12		4000	5100
2	DETROIT	DXO	VOR/DME	H			12.02	12.02		4000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 0.93 NM WEST.
FIX TYPE: ADDED WP.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 13.06 NM CHANGED TO 12.12 NM.
FAC 2: DIST FROM DME/FAC 12.95 NM CHANGED TO 12.02 NM.
FAC 1: MRA 3000 CHANGED TO 4000.
FAC 2: MRA/MAA ALTITUDE 3000/17500 CHANGED TO 4000/5100.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 05/24/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW ATCT
OTHER:

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOTTI

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421312.36N/0831004.35W

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-DMI	LOC		095.72	088.72		8.98		3000	5100
2	DETROIT	DXO	VOR/DME	H			8.87	8.87		3000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 239 FT WEST COORDINATES REVISED.
FIX TYPE: ADDED WP.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 9.02 NM CHANGED TO 8.98 NM.
FAC 2: DIST FROM DME/FAC 8.91 NM CHANGED TO 8.87 NM.
FAC 2: MAA 10000 CHANGED TO 5100.

DEVELOPED BY: DATE: 05/24/2016 OFFICE: AJV-5421 NAME: DEANNA FIELDS

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: TONY LAWSON

SIGNATURE:

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

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FRNDS

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 421326.53N/0825308.76W

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-DMI	LOC		095.72	088.72		21.56		7000	8000
2	DETROIT	DXO	VOR/DME	H			21.45	21.45		7000	8000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DMI	LOC	R-096	22	7000	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 2.17NM WEST. RETAINED FIX NAME PER ATC REQUEST
FIX TYPE: ADD WP.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 23.73 NM CHANGED TO 21.56 NM.
FAC 1: MRA/MAA 3000/7000 CHANGED TO 7000/8000.
FAC 2: MRA/MAA 3000/17500 CHANGED TO 7000/8000.
FAC 2: DIST FROM DME/FAC 23.62 CHANGED TO 21.45 NM.
ESV BRG-095 CHANGED TO R-096 AND DISTANCE 24 CHANGED TO 22.
ESV MIN/MAX ALTITUDE 3000/7000 CHANGED TO 7000/8000.
UPDATED FIX USE ADDED DTW.

DEVELOPED BY:

DATE: 05/24/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GUGRE

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421308.43N/0831418.21W

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-DMI	LOC		095.72	088.72		5.84	35455	2000	5100
2	DETROIT	DXO	VOR/DME	H			5.73	5.73		2000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 5723 FT WEST.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 6.78 NM/41179 FEET CHANGE TO 5.84 NM/35455 FT.
FAC 2: DME/DIST FROM FAC 6.67 CHANGED TO 5.73.
FAC 2: MAA 10000 CHANGED TO 5100.
FAC 1 & 2 MRA LOWERED FROM 2300 TO 2000 FEET.

DEVELOPED BY:

DATE: 05/24/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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



RADIO FIX AND HOLDING DATA RECORD

NAME: HONOR

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 421323.22N/0825722.67W

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-DMI	LOC		095.72	088.72		18.41		6000	7000
2	DETROIT	DXO	VOR/DME	H			18.31	18.31		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DMI	LOC	R-096	19	6000	7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 1.86NM WEST. RETAINED FIX NAME PER ATC REQUEST.
FIX TYPE: ADDED WP.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 20.28 NM CHANGED TO 18.41 NM.
FAC 1: MRA/MAA 3000/6000 CHANGED TO 6000/7000.
FAC 2: DIST FROM DME/FAC 20.17 NM CHANGED TO 18.31 NM.
FAC 2: MAR/MAA 3000/17500 CHANGED TO 6000/7000.
ESV BRG-095 CHANGED TO R-096 AND DISTANCE CHANGED FROM 21 TO 19.
ESV MIN/MAX ALTITUDE 3000/6000 CHANGED TO 6000/7000.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 05/24/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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



RADIO FIX AND HOLDING DATA RECORD

NAME: KUPNE STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 422624.33N/0832624.99W 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	DXO	VOR/DME	H	352.49	346.49	14.00	14.00		3000	17500

FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	S		WP	172.49	352.49	R		4	4000	6000	5	6
2	S	DXO	VOR/DME	352.49	352.49	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-000543)	422911.99N/0832949.10W	1389	5D
1	310	TOWER (26-000324)	422901.00N/0831844.00W	1750	4D
2	200	TOWER (26-000543)	422911.99N/0832949.10W	1389	5D
2	310	TOWER (26-000324)	422901.00N/0831844.00W	1750	4D

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 27R	KDTW	DETROIT	MI (US)
2	ILS OR LOC RWY 27R	KDTW	DETROIT	MI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING PAT 1 & 2 CLIMB IN HOLD EVALUATED PAT 13.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V103	1				MI (US)
IAP	ILS OR LOC RWY 27R	1	2	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R		1	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 23L	1		KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 23L			KYIP	DETROIT	MI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

ADDED HOLDING PATTERN 1 & 2 AND ALL ASSOCIATED DATA.
 UPDATED FIX USE.

DEVELOPED BY: DATE: 05/31/2016 OFFICE: AJV-5421 NAME: DEANNA FIELDS

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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



RADIO FIX AND HOLDING DATA RECORD

NAME: SALEM VORTAC STATE: MI COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 422431.09N/0833538.05W 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	FAC FEET	MRA	MAA
1	SALEM	SVM	VORTAC	L							45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SVM	VORTAC	R-095	90	90	430

FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

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	033.00	213.00	R	1		3000	6000	4	5
2	NW	SVM	VORTAC	294.00	114.00	L	1		3000	6000	4	5
3	NW	SVM	VORTAC	303.76	123.76	L	1		2400	6000	4	5
4	S	SVM	VORTAC	170.00	350.00	R	1		3000	6000	4	5
5	N	SVM	VORTAC	360.00	180.00	R	1		3000	6000	4	5
6	N	SVM	VORTAC	343.63	163.63	L	1		2600	6000	4	5
7	NE	SVM	VORTAC	055.00	235.00	R	1		3000	6000	4	5
8	NW		WP	297.00	117.00	L		4	3000	6000	5	6
9	NE		WP	033.00	213.00	R		4	3000	6000	5	6
10	NW		WP	294.00	114.00	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-000543)	422911.99N/0832949.10W	1389	5D
2	200	GEN UTIL (26-027127)	422403.80N/0833325.40W	1308	2C
3	200	GEN UTIL (26-027127)	422403.80N/0833325.40W	1308	2C
4	200	GEN UTIL (26-027127)	422403.80N/0833325.40W	1308	2C
5	200	AAO	423318.00N/0833942.00W	1349	4E
6	200	AAO	423318.00N/0833942.00W	1349	4E
7	200	TOWER (26-000543)	422911.99N/0832949.10W	1389	5D
8	200	GEN UTIL (26-027127)	422403.80N/0833325.40W	1308	2C
9	200	TOWER (26-000543)	422911.99N/0832949.10W	1389	5D
10	200	GEN UTIL (26-027127)	422403.80N/0833325.40W	1308	2C

REASON FOR NONSTANDARD HOLDING:

PAT 6 ATC REQUEST
 PAT 8 ATC REQUEST
 PAT 3 ATC REQUEST
 PAT 10 ATC REQUEST
 PAT 2 ATC REQUEST

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 SALEM VORTAC MAGNETIC VARIATION W3/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MOONN			KARB	ANN ARBOR	MI (US)
DP	PALACE			KARB	ANN ARBOR	MI (US)
DP	MOONN			KDET	DETROIT	MI (US)
DP	PALACE			KDET	DETROIT	MI (US)
DP	MOONN			KDTW	DETROIT	MI (US)
DP	PALACE			KDTW	DETROIT	MI (US)
DP	MOONN			KYIP	DETROIT	MI (US)
DP	PALACE			KYIP	DETROIT	MI (US)
DP	MOONN			KPTK	PONTIAC	MI (US)
DP	PALACE			KPTK	PONTIAC	MI (US)
EN ROUTE	J70					(US)
EN ROUTE	Q907					(US)
EN ROUTE	Q951					(US)
EN ROUTE	V116					(US)
EN ROUTE	V116-221					(US)
EN ROUTE	V133					(US)
EN ROUTE	V170					(US)
EN ROUTE	V2-221-464					(US)
EN ROUTE	V2-26					(US)
EN ROUTE	V26-133					(US)
EN ROUTE	V90-406-418					(US)

QUALITY
25
CHECKED

IAP	RNAV (GPS) RWY 23		KADG	ADRIAN	MI (US)
IAP	VOR RWY 24	1	KARB	ANN ARBOR	MI (US)
IAP	VOR RWY 6	7	KARB	ANN ARBOR	MI (US)
IAP	ILS OR LOC RWY 33		KDET	DETROIT	MI (US)
IAP	ILS RWY 15		KDET	DETROIT	MI (US)
IAP	VOR RWY 33		KDET	DETROIT	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 27R	4	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 22L (CLOSE PAR)		KDTW	DETROIT	MI (US)
IAP	ILS RWY 21L (SA CAT I & II)		KDTW	DETROIT	MI (US)
IAP	ILS Y PRM RWY 04L (CLOSE PAR)	1	KDTW	DETROIT	MI (US)
IAP	ILS Y PRM RWY 22R (CLOSE PAR)	1	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 4L	1	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 04L	1	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 4L (CAT II, III)	1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 22R	9	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 4L	9	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 23L	2	KYIP	DETROIT	MI (US)
IAP	ILS OR LOC RWY 5R	2	KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 23R		KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 5L	10	KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 5R	10	KYIP	DETROIT	MI (US)
IAP	VOR-A	6	KYIP	DETROIT	MI (US)
IAP	ILS OR LOC RWY 13		KOZW	HOWELL	MI (US)
IAP	RNAV (GPS) RWY 31		KOZW	HOWELL	MI (US)
IAP	VOR RWY 31		KOZW	HOWELL	MI (US)
IAP	VOR RWY 32		KJXN	JACKSON	MI (US)
IAP	VOR RWY 6		KJXN	JACKSON	MI (US)
IAP	VOR OR GPS-A	4	KY47	NEW HUDSON	MI (US)
IAP	RNAV (GPS) - B		K1D2	PLYMOUTH	MI (US)
IAP	VOR-A	3	K1D2	PLYMOUTH	MI (US)
IAP	ILS OR LOC RWY 9R	5	KPTK	PONTIAC	MI (US)
IAP	LOC BC RWY 27L	5	KPTK	PONTIAC	MI (US)
IAP	RNAV (GPS) RWY 27L		KPTK	PONTIAC	MI (US)
IAP	RNAV (GPS) RWY 9R		KPTK	PONTIAC	MI (US)
IAP	VOR RWY 27L	5	KPTK	PONTIAC	MI (US)
IAP	VOR RWY 9R	5	KPTK	PONTIAC	MI (US)
IAP	VOR OR GPS-A		K3TE	TECUMSEH	MI (US)
IAP	VOR OR GPS-A		KVLL	TROY	MI (US)
STAR	SPICA		KDTW	DETROIT	MI (US)
STAR	WEEDA		KDTW	DETROIT	MI (US)
STAR	FAILS		KBKL	CLEVELAND	OH (US)
STAR	FAILS		KCGF	CLEVELAND	OH (US)
STAR	HIMEZ		KCLE	CLEVELAND	OH (US)
STAR	HIMEZ		K1G1	ELYRIA	OH (US)
STAR	HIMEZ		KLPR	LORAIN/ELYRIA	OH (US)
STAR	HIMEZ		K1G5	MEDINA	OH (US)
STAR	FAILS		K7G8	MIDDLEFIELD	OH (US)
STAR	FAILS		K2G1	PAINESVILLE	OH (US)
STAR	FAILS		KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: DP, STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

ADDED MAGNETIC VARIATION REMARK
UPDATED FIX USE, KDTW PROCEDURES

DEVELOPED BY: **DATE:** 05/24/2016

OFFICE: AJV-5423

NAME: THOMAS KIRKPATRICK (LUCAS MCCLOUD)

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STANS

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 421319.76N/0830136.57W

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-DMI	LOC		095.72	088.72		15.27		5100	6000
2	DETROIT	DXO	VOR/DME	H			15.16	15.16		5100	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DMI	LOC	R-096	16	5100	6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 1.56NM WEST. RETAINED FIX NAME PER ATC REQUEST.
FIX TYPE: ADDED WP.
FAC 1: MAG BRG 094.72 CHANGED TO 095.72.
FAC 1: DIST FROM FAC 16.82 NM CHANGED TO 15.27 NM.
FAC 2: DIST FROM DME/FAC 16.72 NM CHANGED TO 15.16 NM.
FAC 1: MRA/MAA 4000/5100 CHANGED TO 5100/6000.
FAC 2: MRA/MAA 4000/17500 CHANGED TO 5100/6000.
ADDED ESV DATA.

DEVELOPED BY:

DATE: 05/24/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW ATCT
OTHER:

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YANUC

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421304.88N/0831758.70W

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-DMI	LOC		095.72	088.72		3.10		1020	5100
2	DETROIT	DXO	VOR/DME	H			3.00	3.00		1020	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 27R			KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

FIX MOVED 608 FT WEST.
FAC 1: DIST FROM FAC 3.20 NM CHANGED TO 3.10 NM.
FAC 1: MRA 1060 CHANGED TO 1020.
FAC 2: DME/DIST FROM FAC 3.10 CHANGED TO 3.00.
FAC 2: MAA 10000 CHANGED TO 5100.

DEVELOPED BY:

DATE: 06/10/2016

OFFICE: AJV-5421

NAME: DEANNA FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
25
CHECKED