

RADIO FIX AND HOLDING DATA RECORD

NAME: APOLO STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 284957.36N/0802515.25W 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	FAC FEET	MRA	MAA
1	ORLANDO	ORL	VORTAC	H	070.00	070.00	51.26	51.26		4000	45000
2	TREASURE	TRV	VORTAC	H	010.01	003.01		69.16		4000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ORL	VORTAC	R-070	52	4000	14500
TRV	VORTAC	R-010	70	4000	14500

HOLDING: HOLDING TYPE OF ACTION: CANCEL

REMARKS:

ORLANDO (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	AR15	1, 2				(US)
EN ROUTE	AR6	1, 2				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED CWRLD (RNAV) STAR/PAT 1 ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.
2. DELETED HOLDING PATTERN, PAT 1 CONTROLLING OBSTRUCTION, PAT 1 REASON FOR NONSTANDARD HOLDING, AND HOLDING RESTRICTION.
3. REMARKS: DELETED PRECIPITOUS TERRAIN EVALUATION COMPLETED.
4. REQUIRED CHARTING: REMOVED STAR; UPDATED CONTROLLER TO CONTROLLER LOW/CONTROLLER HIGH.
5. DELETED FIX RESTRICTION MRA AR6 4000 - NOT REQUIRED.
6. FIX USE: ADDED EN ROUTE AR15 WITH FAC(S) 1,2.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: MARK CIARLONE

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX
 ATC FACILITY: MCO APP CON
 OTHER: MCO ATCT

May 27, 2021

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ASTRO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284638.76N/0804803.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

TRANSFER OPR TO EOSG.

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

05/20/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/13/21:

1. FIX TYPE OF ACTION: MODIFIED FROM CANCEL TO NO CHANGE.
2. FIX USE: REMOVED CWRDL STAR FROM KLEE, KISM, KMCO, KORL AND KSFB.
3. REQUIRED CHARTING: REMOVED STAR AND MILITARY IAP.
4. REMARKS: ADDED TRANSFER OPR TO EOSG.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A411

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: MCO APP CON

OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CEPON

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 285825.00N/0810458.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC 1 FROM FIX MAKEUP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CWRLD

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284326.46N/0810820.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CWRLD			KLEE	LEESBURG	FL (US)
STAR	CWRLD			KISM	ORLANDO	FL (US)
STAR	CWRLD			KMCO	ORLANDO	FL (US)
STAR	CWRLD			KORL	ORLANDO	FL (US)
STAR	CWRLD			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC1 FROM FIX MAKEUP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: MCO APP CON, MCO ATCT

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GRDON

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 292240.70N/0803847.91W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	018.72	198.72	R		10	18000	21000	15	19

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

WAYPOINT FOR ATC TO AVOID SUA WHEN "RAINBOW AREAS" ARE RELEASED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	ALYNA (RNAV)		1	KLEE	LEESBURG	FL (US)
STAR	ALYNA (RNAV)		1	KISM	ORLANDO	FL (US)
STAR	ALYNA (RNAV)		1	KMCO	ORLANDO	FL (US)
STAR	ALYNA (RNAV)		1	KORL	ORLANDO	FL (US)
STAR	ALYNA (RNAV)		1	KSFB	ORLANDO	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED CWRLD (RNAV) STAR/PAT 1 ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.
2. HOLDING PAT 1: DELETED HOLDING PAT 1.
3. DELETED PAT 1 REASON FOR NONSTANDARD HOLDING.
4. HOLDING PAT 2 INFORMATION NOW BECOMES PAT 1.
5. DELETED HOLDING PATTERN CONTROLLING OBSTRUCTION.
6. REMARKS: DELETED PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARNY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284654.80N/0810303.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED INT AND DME FROM FIX TYPE.
REMOVED FAC 1 AND 2 FROM FIX MAKEUP.
REMOVED IAP FROM CHARTING.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIBAC

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 290538.63N/0793404.65W

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
EN ROUTE	AR15					(US)
EN ROUTE	AR17					(US)
EN ROUTE	AR6					(US)
STAR	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KRSW	FORT MYERS	FL (US)
STAR	ALYNA (RNAV)			KLEE	LEESBURG	FL (US)
STAR	SHFTY (RNAV)			KMKY	MARCO ISLAND	FL (US)
STAR	SHFTY (RNAV)			KAPF	NAPLES	FL (US)
STAR	ALYNA (RNAV)			KISM	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KMCO	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KORL	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KSFB	ORLANDO	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED CWRLD (RNAV) STAR ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: ZJX, MCO APP CON, MCO ATCT

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAMMA STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 290051.91N/0810522.97W TYPE: 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	MRA	MAA
1	ORMOND BEACH	OMN	VORTAC	H	176.00	176.00	17.33	17.33	3000	45000
2	OCALA	OCF	VORTAC	L	099.00	099.00		60.54	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OCF	VORTAC	R-099	61	3000	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	N	OMN	VORTAC	356.00	176.00	L	1-1 1/2	3000 17500	6 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-020509)	290130.96N/0810851.38W	449	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

ORMOND BEACH (FAC 1) AND OCALA (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BITHO	1, 2	1	KCOF	COCOA BEACH	FL (US)
STAR	BITHO	1, 2	1	KXMR	COCOA BEACH	FL (US)
STAR	BITHO	1, 2	1	KMLB	MELBOURNE	FL (US)
STAR	BITHO	1, 2	1	KCOI	MERRITT ISLAND	FL (US)
STAR	BITHO	1, 2	1	KISM	ORLANDO	FL (US)
STAR	BITHO	1, 2	1	KMCO	ORLANDO	FL (US)
STAR	BITHO	1, 2	1	KTIX	TITUSVILLE	FL (US)
STAR	BITHO	1, 2	1	KTTS	TITUSVILLE	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED CWRLD (RNAV) STAR ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.
2. REMARKS: ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED.
3. FIX USE: ADDED BITHO STAR/FAC 1,2/PAT 1 FOR AIRPORTS KISM, KTIX, KTTS, KXMR, KCOI, KCOF AND KMLB.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: MARK CIARLONE

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX
 ATC FACILITY: MCO APP CON
 OTHER: ZMA, MCO ATCT

QUALITY
 14
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MICKX

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 282329.61N/08111115.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	BAIRN (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KSFB	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC1 FROM FIX MAKEUP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: MCO APP CON

OTHER: ZMA, MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NOBBS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 280952.00N/08111115.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BAIRN (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	BAIRN (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KSFB	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC1 FROM FIX MAKE UP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: MCO APP CON

OTHER: ZMA, MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORMOND BEACH VORTAC **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 291811.70N/0810645.71W **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	ORMOND BEACH	OMN	VORTAC	H						45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

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	N	OMN	VORTAC	356.00	176.00	L	1	6000 45000	7 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-003334)	291411.52N/0810421.49W	381	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W158A.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 0E (1965)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ROYES			KDAB	DAYTONA BEACH	FL (US)
DP	EXBOX (RNAV)			KJAX	JACKSONVILLE	FL (US)
DP	SAWGY			KJAX	JACKSONVILLE	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
EN ROUTE	T207					(US)
EN ROUTE	V152					(US)
EN ROUTE	V3					(US)
EN ROUTE	V437					(US)
EN ROUTE	V51					(US)
EN ROUTE	V533					(US)
EN ROUTE	Y585					(US)
IAP	ILS OR LOC RWY 25R			KDAB	DAYTONA BEACH	FL (US)
IAP	ILS OR LOC RWY 7L			KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 16			KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 25L			KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 7L			KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 7R			KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 23			KDED	DELAND	FL (US)
IAP	RNAV (GPS) RWY 25			KEVB	NEW SMYRNA BEACH	FL (US)
IAP	RNAV (GPS) RWY 29			KEVB	NEW SMYRNA BEACH	FL (US)
IAP	ILS OR LOC RWY 35L			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 35R			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II-III)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (CAT II)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 27R			KSFB	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 9L			KSFB	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 9R			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 11			KFIN	PALM COAST	FL (US)
IAP	RNAV (GPS) RWY 24			KFIN	PALM COAST	FL (US)
IAP	RNAV (GPS) RWY 29			KFIN	PALM COAST	FL (US)
IAP	RNAV (GPS) RWY 6			KFIN	PALM COAST	FL (US)
IAP	ILS OR LOC RWY 31			KSGJ	ST AUGUSTINE	FL (US)
STAR	STOOP			KBCT	BOCA RATON	FL (US)
STAR	BITHO		1	KCOF	COCOA BEACH	FL (US)
STAR	BITHO		1	KXMR	COCOA BEACH	FL (US)
STAR	ANNEY			KHST	HOMESTEAD	FL (US)
STAR	ANNEY			X51	HOMESTEAD	FL (US)
STAR	POGIE			KCRG	JACKSONVILLE	FL (US)
STAR	POGIE			KJAX	JACKSONVILLE	FL (US)
STAR	POGIE			KNIP	JACKSONVILLE	FL (US)
STAR	POGIE			KVQQ	JACKSONVILLE	FL (US)

QUALITY
14
CHECKED

STAR	STOOP		06FA	JUPITER	FL (US)
STAR	ANNEY		07FA	KEY LARGO	FL (US)
STAR	POGIE		KNRB	MAYPORT	FL (US)
STAR	BITHO	1	KMLB	MELBOURNE	FL (US)
STAR	BITHO	1	KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY		KMIA	MIAMI	FL (US)
STAR	ANNEY		KTMB	MIAMI	FL (US)
STAR	BITHO	1	KISM	ORLANDO	FL (US)
STAR	LEESE		KISM	ORLANDO	FL (US)
STAR	BITHO	1	KMCO	ORLANDO	FL (US)
STAR	LEESE		KMCO	ORLANDO	FL (US)
STAR	LEESE		KORL	ORLANDO	FL (US)
STAR	BITHO	1	KTIX	TITUSVILLE	FL (US)
STAR	BITHO	1	KTTS	TITUSVILLE	FL (US)
STAR	STOOP		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED CWRLD (RNAV) STAR/PAT 2 ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.
2. DELETED HOLDING PAT 2, PAT 2 CONTROLLING OBSTRUCTION, AND PAT 2 REASON FOR NONSTANDARD HOLDING.
3. REMARKS: DELETED KMCO 6W MAG VAR USED FOR PAT 2.
4. FIX USE: ADDED PAT 1 TO KISM STAR BITHO.
5. FIX USE: DELETED KSGJ IAP VOR RWY 13.

05/20/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/13/21:

1. FIX USE: DELETED STARS CAYSL, TUXXI, FISEL, GISSH, HILEY, FRWAY, CORLL AND THEIR ASSOCIATED DATA LINES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PETEE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 285530.97N/0800715.98W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

**FIX USE:
USE TYPE**

USE TITLE

FAC PAT

AIRPORT IDENT

CITY

STATE

STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/12/2013

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAMEZ

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 283220.00N/0811115.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BAIRN (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	BAIRN (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KSFB	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC1 FROM FIX MAKEUP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A410

NAME: JULIE MORGAN

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: MCO APP CON

OTHER: ZMA, MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RTROE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284904.00N/0803125.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC 1 FROM FIX MAKEUP.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEEDO STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 283403.51N/0811701.87W 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	ORLANDO	I-ARK	LOC/DME		005.48	359.48	9.07	9.07		1500	4500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-ARK DME COORDINATES: 282457.99N-0811651.74W
 1500 FT MRA UTILIZED PER AIR TRAFFIC FOR VECTORING TO FIX AT MVA ALTITUDE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (CAT II-III)	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (SA CAT I)	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 17L			KMCO	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KMCO	ORLANDO	FL (US)
STAR	SNFLD (RNAV)			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: DELETED KMCO CWRD (RNAV) STAR.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: MARK CIARLONE

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX, ZMA
 ATC FACILITY: MCO ATCT, MCO APP CON
 OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TIMIE STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 290049.74N/0804424.64W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	N		WP	018.72	198.72	L	10	10000	18000	15	17	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	SHIP	285527.00N/0804915.00W	295	4E

REASON FOR NONSTANDARD HOLDING:
 PAT 1 ATC DIRECTED.

FIX USE:	USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR		ALYNA (RNAV)		1	KLEE	LEESBURG	FL (US)
STAR		ALYNA (RNAV)		1	KISM	ORLANDO	FL (US)
STAR		ALYNA (RNAV)		1	KMCO	ORLANDO	FL (US)
STAR		ALYNA (RNAV)		1	KORL	ORLANDO	FL (US)
STAR		ALYNA (RNAV)		1	KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 10/07/2021

REASON FOR REVISION:
 1. FIX USE: DELETED CWRLD (RNAV) STAR ENTRIES FOR AIRPORTS KLEE, KISM, KMCO, KORL, AND KSFB.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: MARK CIARLONE
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
BEV L BORDY
 May 27, 2021

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX
 ATC FACILITY: MCO APP CON
 OTHER: MCO ATCT

QUALITY
 14
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEMOR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284538.00N/0805614.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/20/2012

REASON FOR REVISION:

REMOVED FAC 1 FROM FIX MAKEUP.
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

BEV L BORDY

May 27, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MCO APP CON
OTHER: MCO ATCT

QUALITY
14
CHECKED