

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ARHEY

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 343657.83N/1142306.83W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM NM | FAC FEET | MRA | MAA |
|-----|---------|-------|--------|-------|---------|----------|-------|--------------|----------|------|------|
| 1 | NEEDLES | EED | VORTAC | H | 138.89 | 153.89 | 10.00 | 10.00 | | 2440 | 6000 |

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|-----|-----|---------------|------------------|---------|
| IAP | VOR/DME-A | 1 | | KHII | LAKE HAVASU CITY | AZ (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/03/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/06/2011

OFFICE: AJV-354

NAME: ADOLFO URRUTIA (BRYAN BLUE)

APPROVED BY:

DATE: 03/02/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY:
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CEKVU

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 343451.03N/1142151.87W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM NM | FAC FEET | MRA | MAA |
|-----|---------|-------|--------|-------|---------|----------|-------|--------------|----------|------|------|
| 1 | NEEDLES | EED | VORTAC | H | 138.89 | 153.89 | 12.35 | 12.35 | | 1700 | 6000 |

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|-----|-----|---------------|------------------|---------|
| IAP | VOR/DME-A | 1 | | KHII | LAKE HAVASU CITY | AZ (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/03/2012

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/07/2011

OFFICE: AJV-354

NAME: ADOLFO URRUTIA (BRYAN BLUE)

APPROVED BY:

DATE: 03/02/2012

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY:
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: LONDN

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 343939.79N/1142442.69W

TYPE: 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 | NEEDLES | EED | VORTAC | H | 138.89 | 153.89 | 7.00 | 7.00 | | 3500 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|-----|-----|---------------|------------------|---------|
| IAP | VOR/DME-A | 1 | | KHII | LAKE HAVASU CITY | AZ (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/03/2012

REASON FOR REVISION:

UPDATED FIX USE
UPDATE FAC 1 DISTANCE FROM FAC
RAISED MRA 3200 TO 3500

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 10/04/2011 OFFICE: AJV-354 NAME: ADOLFO URRUTIA (BRYAN BLUE)

APPROVED BY: DATE: 03/02/2012 OFFICE: AJV-354 NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY:
OTHER:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: NEEDLES VORTAC

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344557.62N/1142826.78W

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 | NEEDLES | EED | 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 | E | EED | VORTAC | 076.78 | 256.78 | R | 1 | | 6000 | 14000 | 5 | 10 |
| 2 | NW | EED | VORTAC | 318.89 | 138.89 | R | 1 | | 4900 | 6000 | 5 | 5 |
| 3 | SE | EED | VORTAC | 154.59 | 334.59 | R | 1 | | 6000 | 14000 | 5 | 10 |
| 4 | E | | WP | 076.78 | 256.78 | R | | 5 | 6000 | 14000 | 6 | 11 |
| 5 | NW | | WP | 333.92 | 153.92 | R | | 5 | 5000 | 14000 | 6 | 11 |
| 6 | NW | EED | VORTAC | 318.89 | 138.89 | R | 1 | | 4000 | 6000 | 4 | 5 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1 | 200 | AAO | 344839.00N/1141718.00W | 2238 | 4E |
| 1 | 310 | AAO | 345245.00N/1141311.90W | 3830 | 4E |
| 2 | 200 | AAO | 344127.00N/1143127.00W | 2369 | 4E |
| 2 | 310 | AAO | 350057.00N/1144457.00W | 3688 | 4E |
| 3 | 200 | AAO | 344103.00N/1143200.00W | 2710 | 4E |
| 4 | 200 | AAO | 345224.00N/1141724.00W | 3478 | 4E |
| 5 | 200 | AAO | 344103.00N/1143230.00W | 2874 | 4E |
| 5 | 310 | AAO | 345854.00N/1142430.00W | 3370 | 4E |
| 6 | 200 | AAO | 344145.00N/1143106.00W | 2241 | 4E |

PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1 | 310 | 168 |
| 2 | 310 | 150 |
| 5 | 310 | 220 |
| 6 | 200 | 100 |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
PRIOR COORDINATION REQUIRED WITH ZLA FOR HOLDING OVER TURTLE MOA.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY | STATE |
|-----|-------------------|---------------|------------------|---------|
| 1 | TEXTUAL DEPARTURE | KHII | LAKE HAVASU CITY | AZ (US) |
| 2 | VOR-A | KHII | LAKE HAVASU CITY | AZ (US) |
| 2 | TEXTUAL DEPARTURE | KEED | NEEDLES | CA (US) |
| 5 | RNAV (GPS) RWY 14 | KHII | LAKE HAVASU CITY | AZ (US) |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 4 200 AIRSPEED HOLDING OBSTACLE LOCATED 1.97NM INTO SECONDARY AREA WITH A PRIMARY EQUIVALENT OF 2490 FEET.
PAT 6 IS A DUPLICATE OF PAT 2 BUT WITHOUT THE CLIMB-IN-HOLD, ALLOWING HOLDING AT 4000 AS CURRENTLY PUBLISHED ON THE KHII VOR-A.
EED VORTAC MAG VAR: 1965/E15.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-------------------|-----|------|---------------|------------------|---------|
| DP | TEXTUAL DEPARTURE | | | KIFP | BULLHEAD CITY | AZ (US) |
| DP | TEXTUAL DEPARTURE | | 1 | KHII | LAKE HAVASU CITY | AZ (US) |
| DP | CHILY | | | KPHX | PHOENIX | AZ (US) |
| DP | JONHH | | | KSDL | SCOTTSDALE | AZ (US) |
| DP | TEXTUAL DEPARTURE | | 2 | KEED | NEEDLES | CA (US) |
| EN ROUTE | J236 | | | | | (US) |
| EN ROUTE | J6 | | | | | (US) |
| EN ROUTE | J8 | | | | | (US) |
| EN ROUTE | V12 | | | | | (US) |
| EN ROUTE | V135 | | | | | (US) |
| EN ROUTE | V208 | | | | | (US) |
| EN ROUTE | V237 | | | | | (US) |
| IAP | RNAV (GPS) RWY 16 | | | KIFP | BULLHEAD CITY | AZ (US) |
| IAP | RNAV (GPS) RWY 34 | | | KIFP | BULLHEAD CITY | AZ (US) |
| IAP | VOR RWY 34 | | 3 | KIFP | BULLHEAD CITY | AZ (US) |
| IAP | RNAV (GPS) RWY 14 | | 5 | KHII | LAKE HAVASU CITY | AZ (US) |
| IAP | VOR-A | | 2, 6 | KHII | LAKE HAVASU CITY | AZ (US) |
| IAP | RNAV (GPS) RWY 29 | | 4 | KEED | NEEDLES | CA (US) |
| IAP | VOR-A | | 1 | KEED | NEEDLES | CA (US) |

INFORMATION ONLY

| | | | | |
|------|--------------|------|--------------|---------|
| STAR | JANNY (RNAV) | KBUR | BURBANK | CA (US) |
| STAR | GUERA (RNAV) | KCMA | CAMARILLO | CA (US) |
| STAR | DSNEE (RNAV) | KLGB | LONG BEACH | CA (US) |
| STAR | ROOBY (RNAV) | KLGB | LONG BEACH | CA (US) |
| STAR | BOGET (RNAV) | KLAX | LOS ANGELES | CA (US) |
| STAR | GUERA (RNAV) | KNTD | OXNARD | CA (US) |
| STAR | GUERA (RNAV) | KOXR | OXNARD | CA (US) |
| STAR | CLOWD | KPSP | PALM SPRINGS | CA (US) |
| STAR | SBONO | KPSP | PALM SPRINGS | CA (US) |
| STAR | BARET | KNZY | SAN DIEGO | CA (US) |
| STAR | BARET | KSAN | SAN DIEGO | CA (US) |
| STAR | DSNEE (RNAV) | KSNA | SANTA ANA | CA (US) |
| STAR | ROOBY (RNAV) | KSNA | SANTA ANA | CA (US) |
| STAR | BOGET (RNAV) | KSMO | SANTA MONICA | CA (US) |
| STAR | JANNY (RNAV) | KVNY | VAN NUYS | CA (US) |
| STAR | RNDRZ (RNAV) | KLAS | LAS VEGAS | NV (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

PAT 5, CORRECTED MINIMUM HOLDING ALTITUDE FROM 6000 TO 5000 - TO MATCH WHAT IS PUBLISHED FOR THE HOLD-IN-LIEU ON THE KHII RNAV (GPS) RWY 14.

ADDED PAT 6.

ADDED RNDRZ (RNAV) STAR TO FIX USE.

REMOVED PALLY (RNAV) DEPARTURE FROM FIX USE.

FIX USE, CHANGED KHII VOR/DME-A TO VOR-A - PROCEDURE RENAMED.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 **NAME:** DAN POWELL

APPROVED BY: **DATE:** **OFFICE:** AJV-A440 **NAME:** PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: PSP
OTHER: