

# RADIO FIX AND HOLDING DATA RECORD

NAME: CIXEN

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261833.07N/0973927.80W

TYPE: WP, 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	FEET	MRA	MAA
1	HARLINGEN	I-HRL	LOC/DME		357.64	000.64	5.84	5.83	35422	1400	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18R	1		KHRL	HARLINGEN	TX (US)
IAP	ILS RWY 18R (SA CAT I & SA CAT II)	1		KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 18R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 18R			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

1. LATITUDE/LONGITUDE: CHANGED FROM "261736.35N/0973928.53W" TO "261833.07N/0973927.80W" - FIX MOVED 0.94 NM NORTH.
2. TYPE: ADDED "DME".
3. FIX MAKE-UP FACILITIES: ADDED FAC 1 (I-HRL LOC/DME) AND ALL ASSOCIATIONS.
4. DELETED REMARK: "PFAF LOCATION ESTABLISHED WITH 8260.54A FORMULA 2-16B.
5. FIX USE: ADDED ILS OR LOC RWY 18R, ILS RWY 18R (SA CAT I & SA CAT II) AND RNAV (GPS) Y RWY 18R AND ALL ASSOCIATIONS - PER ATC REQUEST.
6. FIX USE: CHANGED USE TITLE FROM "RNAV (RNP) Z RWY 17R" TO "RNAV (RNP) Z RWY 18R".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: HLWLK

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261948.29N/0973926.88W

TYPE: WP, 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	HARLINGEN	I-HRL	LOC/DME		357.64	000.64	7.09	7.08		1600	1600

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18R	1		KHRL	HARLINGEN	TX (US)
IAP	ILS RWY 18R (SA CAT I & SA CAT II) 1			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 18R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 18R			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/11/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: MAYRR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 262453.77N/0974604.19W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

### USE TYPE

IAP  
IAP  
IAP  
IAP

### USE TITLE

ILS OR LOC RWY 18R  
ILS RWY 18R (SA CAT I & SA CAT II)  
RNAV (GPS) Y RWY 18R  
RNAV (RNP) Z RWY 18R

### FAC

### PAT

### AIRPORT IDENT

KHRL  
KHRL  
KHRL  
KHRL

### CITY

HARLINGEN  
HARLINGEN  
HARLINGEN  
HARLINGEN

### STATE

TX (US)  
TX (US)  
TX (US)  
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/11/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: NSCAR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261353.54N/0973316.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP

ILS OR LOC RWY 18R

KHRL

HARLINGEN

TX (US)

IAP

ILS RWY 18R (SA CAT I & SA CAT II)

KHRL

HARLINGEN

TX (US)

IAP

RNAV (GPS) Y RWY 18R

KHRL

HARLINGEN

TX (US)

IAP

RNAV (RNP) Z RWY 18R

KHRL

HARLINGEN

TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/11/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: OAKKK

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 262445.88N/0973242.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

### USE TYPE

IAP  
IAP  
IAP  
IAP

### USE TITLE

ILS OR LOC RWY 18R  
ILS RWY 18R (SA CAT I & SA CAT II)  
RNAV (GPS) Y RWY 18R  
RNAV (RNP) Z RWY 18R

### FAC

### PAT

### AIRPORT IDENT

KHRL  
KHRL  
KHRL  
KHRL

### CITY

HARLINGEN  
HARLINGEN  
HARLINGEN  
HARLINGEN

### STATE

TX (US)  
TX (US)  
TX (US)  
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/11/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: RELAX

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261529.69N/0972312.66W

TYPE: WP, 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	FEET	MRA	MAA
1	BROWNSVILLE	BRO	VORTAC	H	349.21	358.21	20.00	20.00		1800	17500
2	HARLINGEN	HRL	VOR/DME	L	078.03	083.03		14.42		1800	17500

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	BRO	VORTAC	349.21	169.21	L	1		2000	14000	4	11
2	N		WP	355.21	175.21	L		4	1900	14000	4	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (48-034748)	261509.39N/0972658.15W	511	5D
2	200	WINDMILL (48-034748)	261509.39N/0972658.15W	511	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 PROVIDE PROTECTION FROM V70  
PAT 2 PROVIDE PROTECTION FROM V70

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

BROWNSVILLE (FAC 1) AND HARLINGEN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V163	1, 2				(US)
IAP	ILS OR LOC RWY 13	1, 2		KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13			KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 18		2	KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 31			KBRO	BROWNSVILLE	TX (US)
IAP	ILS OR LOC RWY 18R		2	KHRL	HARLINGEN	TX (US)
IAP	ILS RWY 18R (SA CAT I & SA CAT II)		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) RWY 18L		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 18R		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 18R		2	KHRL	HARLINGEN	TX (US)
IAP	VOR-A	1, 2	1	KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

- HOLDING PATTERNS: DELETED PATTERN 2 AND ALL ASSOCIATIONS - STANDARDIZATION AND CONSOLIDATION.
- HOLDING PATTERNS: DELETED PATTERN 3 AND ALL ASSOCIATIONS - STANDARDIZATION AND CONSOLIDATION.
- FIX USE: RNAV (GPS) RWY 18 PAT NUMBER CHANGED FROM "PAT 3" TO "PAT 2" - NUMBER CHANGED DUE TO CONSOLIDATING OLD PATTERNS USED AT KHRL.
- FIX USE: USE TITLE: CHANGED FROM "RNAV (GPS) Y RWY 17L" TO "RNAV (GPS) Y RWY 18L" - DUE TO MAGVAR CHANGE/RWY NUMBERING.
- FIX USE: USE TITLE: DELETED RNAV (GPS) RWY 36R.
- FIX USE: USE TITLE: CHANGED FROM "RNAV (GPS) Y RWY 17R" TO "RNAV (GPS) Y RWY 18R" - DUE TO MAGVAR CHANGE/RWY NUMBERING.
- FIX USE: USE TITLE: CHANGED FROM "RNAV (GPS) Y RWY 35L" TO "RNAV (GPS) Y RWY 36L" - DUE TO MAGVAR CHANGE/RWY NUMBERING.
- FIX USE: USE TITLE: CHANGED FROM "RNAV (RNP) Z RWY 17R" TO "RNAV (RNP) Z RWY 18R" - DUE TO MAGVAR CHANGE/RWY NUMBERING.
- FIX USE: ADDED "ILS OR LOC RWY 18R" AND ALL ASSOCIATIONS - PER ATC REQUEST.
- FIX USE: ADDED "ILS RWY 18R (SA CAT I & CAT II)" AND ALL ASSOCIATIONS - PER ATC REQUEST.
- FIX USE: DELETED "RNAV (GPS) Y RWY 36L AND ALL ASSOCIATIONS - PER ATC REQUEST.
- FIX USE: RNAV (GPS) Y RWY 18R AND RNAV (RNP) Z RWY 18R: PATTERN CHANGED FROM "3" TO "2".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:	AJV-A431	NAME: WESTLEY OWENS
APPROVED BY:	DATE: 07/11/2024	OFFICE: AJV-A431
		NAME: ERIC N SUSKI
SIGNATURE:		

# RADIO FIX AND HOLDING DATA RECORD

NAME: ULOTE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261401.04N/0974545.72W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

### USE TYPE

IAP  
IAP  
IAP  
IAP

### USE TITLE

ILS OR LOC RWY 18R  
ILS RWY 18R (SA CAT I & SA CAT II)  
RNAV (GPS) Y RWY 18R  
RNAV (RNP) Z RWY 18R

### FAC

### PAT

### AIRPORT IDENT

KHRL  
KHRL  
KHRL  
KHRL

### CITY

HARLINGEN  
HARLINGEN  
HARLINGEN  
HARLINGEN

### STATE

TX (US)  
TX (US)  
TX (US)  
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/11/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:



# RADIO FIX AND HOLDING DATA RECORD

NAME: ZIPIV

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 262449.98N/0973923.23W

TYPE: WP, 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	FEET	MRA	MAA
1	HARLINGEN	I-HRL	LOC/DME		357.64	000.64	12.10	12.09		2000	4500

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N		WP	357.63	177.63	R		4	2000	6000	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (48-192170)	263241.05N/0973655.47W	634	4D

## 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 18R	1		KHRL	HARLINGEN	TX (US)
IAP	ILS OR LOC RWY 36L SA CAT I/SA CAT II		1	KHRL	HARLINGEN	TX (US)
IAP	ILS RWY 18R (SA CAT I & SA CAT II) 1			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 18R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 36L		1	KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 18R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 36L		1	KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: ADDED FAC 1 (I-HRL LOC/DME) AND ALL ASSOCIATIONS.
2. HOLDING: PAT 1 CHANGED RAD/CRS/BRG FROM "355.63" TO "357.63" AND CRS INBOUND FROM "175.63" TO "177.63".
3. HOLDING: CONTROLLING OBSTRUCTION: PAT 1 OBSTRUCTION CHANGED FROM "WINDMILL (48-174952) 262235.82N/0974251.55W ELEV 533 AC 4D" TO "WINDMILL (48-192170) 263241.05N/0973655.47W ELEV 634 AC 4D".
4. FIX USE: USE TITLE: ADDED "ILS OR LOC RWY 18R" - PER ATC REQUEST.
5. FIX USE: USE TITLE: CHANGED "RNAV (RNP) Z RWY 17R" TO "RNAV (RNP) Z RWY 18R" - MAGVAR CHANGE/RUNWAY RENUMBERING.
6. FIX USE: USE TITLE: ADDED "ILS RWY 18R SA CAT I & SA CAT II AND ALL ASSOCIATIONS" - PER ATC REQUEST.
7. FIX USE: USE TITLE: ADDED "ILS OR LOC RWY 36L SA CAT 1/CAT II AND ALL ASSOCIATIONS" - PER ATC REQUEST.
8. FIX USE: USE TITLE: ADDED "RNAV (GPS) Y RWY 18R" - PER ATC REQUEST.
9. FIX USE: CHANGED "RNAV (GPS) Y RWY 35L" TO "RNAV (GPS) Y RWY 36L" - MAGVAR CHANGE/RUNWAY RENUMBERING.
10. FIX USE: CHANGED "RNAV (RNP) Z RWY 35L" TO "RNAV (RNP) Z RWY 36L" - MAGVAR CHANGE/RUNWAY RENUMBERING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE: