

# RADIO FIX AND HOLDING DATA RECORD

NAME: CLAPT

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412220.63N/0814332.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC PAT**

**AIRPORT IDENT CITY**

**STATE**

IAP	RNAV (RNP) Z RWY 24L			KCLE	CLEVELAND	OH (US)
IAP	RNAV (RNP) Z RWY 24R			KCLE	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KBKL	CLEVELAND	OH (US)
STAR	ROLLN (RNAV)			KBKL	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KCGF	CLEVELAND	OH (US)
STAR	ROLLN (RNAV)			KCGF	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KCLE	CLEVELAND	OH (US)
STAR	ROLLN (RNAV)			KCLE	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
STAR	ROLLN (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
STAR	ROKNN (RNAV)			KLNN	WILLOUGHBY	OH (US)
STAR	ROLLN (RNAV)			KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/24/2018

DEVELOPED BY: DATE: 12/21/2017

OFFICE: AJV-5431

NAME: MICHAEL CURRAN

APPROVED BY: DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DAHOO

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413018.29N/0815253.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC PAT**

**AIRPORT IDENT CITY**

**STATE**

IAP	RNAV (RNP) Z RWY 24L			KCLE	CLEVELAND	OH (US)
IAP	RNAV (RNP) Z RWY 24R			KCLE	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KBKL	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KCGF	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KCLE	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
STAR	ROKNN (RNAV)			KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

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DEVELOPED BY: DATE: 12/21/2017

OFFICE: AJV-5431

NAME: MICHAEL CURRAN

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DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KWENE **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 411330.51N/0820853.51W **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 FAC NM	FAC FEET	MRA	MAA
1	CLEVELAND	I-LIZ	LOC/DME		237.94	229.94	18.07	18.08		6000	7000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-LIZ	LOC/DME	BRG-238	19	6000	7000

**REMARKS:**

I-LIZ DME COORDINATES: 412511.94N/0815035.68W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 6L	1		KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 6L (CAT II & III)	1		KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) Y RWY 6L			KCLE	CLEVELAND	OH (US)
IAP	RNAV (RNP) Z RWY 6L			KCLE	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KBKL	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KCGF	CLEVELAND	OH (US)
STAR	ROKNN (RNAV)			KCLE	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
STAR	ROCKN (RNAV)			KLNN	WILLOUGHBY	OH (US)

**REQUIRED CHARTING:** STAR, IAP

**COMPULSORY REPORTING POINT:** NO

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

**DEVELOPED BY:** **DATE:** 12/21/2017 **OFFICE:** AJV-5422 **NAME:** PETER GUIMOND

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

**SIGNATURE:**

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RUHSH **STATE:** OH **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 411335.22N/0820820.78W **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 FAC NM	FAC FEET	MRA	MAA
1	CLEVELAND	I-CLE	LOC/DME		237.94	229.94	17.86	17.83		6000	7000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-CLE	LOC/DME	BRG-238	18	6000	7000

**REMARKS:**

I-CLE DME COORDINATES: 412504.06N/0815011.10W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 6R	1		KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 6R (SA CAT II)	1		KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) Y RWY 6R			KCLE	CLEVELAND	OH (US)
IAP	RNAV (RNP) Z RWY 6R			KCLE	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KBKL	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KCGF	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KCLE	CLEVELAND	OH (US)
STAR	ROCKN (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
STAR	ROCKN (RNAV)			KLNN	WILLOUGHBY	OH (US)

**REQUIRED CHARTING:** STAR, IAP

**COMPULSORY REPORTING POINT:** NO

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

**DEVELOPED BY:** **DATE:** 12/21/2017 **OFFICE:** AJV-5422 **NAME:** PETER GUIMOND

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

**SIGNATURE:**

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

QUALITY  
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