

RADIO FIX AND HOLDING DATA RECORD

NAME: CATIL

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 383723.46N/0921853.40W

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	COLUMBIA	I-COU	LOC/DME		201.43	201.43	13.10	13.11		3000	5300

REMARKS:

I-COU DME COORDINATES: 384937.16N/0921249.76W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2	1		KCOU	COLUMBIA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITIES: COU DME DISTANCE FROM 12.97 TO 13.10; DISTANCE FROM FAC NM FROM 12.96 TO 13.11.
2. UPDATED REMARKS: I-COU DME FROM COORDINATES: 384929.84N/0921253.95W TO 384937.16N/0921249.76W.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/06/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COLUMBIA VOR/DME **STATE:** MO **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 384838.96N/0921305.79W **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	COLUMBIA	COU	VOR/DME	L						17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

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	COU	VOR/DME	019.00	199.00	L	1		2800 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001475)	384754.39N/0921722.35W	1160	1A
1	310	TOWER (29-001264)	384214.50N/0920521.80W	1799	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR Z RWY 20	KCOU	COLUMBIA	MO (US)

REMARKS:

ASSIGNED FACILITY MAR VAR: E00 (2020).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V12					(US)
EN ROUTE	V44					(US)
IAP	RNAV (GPS) RWY 18			KVER	BOONVILLE	MO (US)
IAP	RNAV (GPS) RWY 36			KVER	BOONVILLE	MO (US)
IAP	VOR-A			KVER	BOONVILLE	MO (US)
IAP	ILS OR LOC RWY 2			KCOU	COLUMBIA	MO (US)
IAP	VOR RWY 13			KCOU	COLUMBIA	MO (US)
IAP	VOR Y RWY 20			KCOU	COLUMBIA	MO (US)
IAP	VOR Z RWY 20		1	KCOU	COLUMBIA	MO (US)
IAP	VOR-A			KFTT	FULTON	MO (US)
IAP	ILS OR LOC RWY 30			KJEF	JEFFERSON CITY	MO (US)
STAR	KOOOP			KSTL	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 12/02/2021

REASON FOR REVISION:

1. REMOVED FIX USE: KCOU LOC BC RWY 20.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** BARBARA GORMAN

APPROVED BY: **DATE:** 05/11/2021 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MIZZU

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 383509.38N/0922950.60W

TYPE: 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	HALLSVILLE	HLV	VORTAC	L	202.80	208.80	36.05	36.05		3000	17500
2	VICHY	VIH	VOR/DME	L	299.00	305.00		45.41		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VIH	VOR/DME	R-299	46	3000	17500

REMARKS:

HALLSVILLE (FAC 1) AND VICHY (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V63	1, 2				MO (US)
IAP	ILS OR LOC RWY 2	1		KCOU	COLUMBIA	MO (US)
IAP	VOR Y RWY 20	1		KCOU	COLUMBIA	MO (US)
IAP	VOR Z RWY 20	1		KCOU	COLUMBIA	MO (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 02/25/2021

REASON FOR REVISION:

1. DELETED WP FROM FIX TYPE.
2. ADDED REMARK: HALLSVILLE (FAC 1) AND VICHY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
3. DELETED CONTROLLER FROM REQUIRED CHARTING.
4. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MIZZU APP CON
OTHER: COU ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: NEUKS

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 384626.96N/0921421.48W

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	COLUMBIA	I-COU	LOC/DME		201.43	201.43	3.38	3.39		1440	5300

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2	1		KCOU	COLUMBIA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITIES: COU DME DISTANCE FROM 3.25 TO 3.38; DISTANCE FROM FAC NM FROM 3.25 TO 3.39; MAA FROM 17500 TO 5300.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/06/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: YATGU

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 384251.25N/0921609.49W

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 FAC NM	FAC FEET	MRA	MAA
1	COLUMBIA	I-COU	LOC/DME		201.43	201.43	7.24	7.24	44015	2700	5300

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	S	I-COU	LOC/DME	201.43	021.43	L	1	2700 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001272)	384551.00N/0921852.00W	1420	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
I-COU DME COORDINATES: 384937.16N/0921249.76W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 2	1	1	KCOU	COLUMBIA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. UPDATED FIX MAKE-UP FACILITIES: COU DME/NM FROM 7.11 TO 7.24; COU FEET FROM 43114 TO 44015.
2. UPDATED REMARKS: I-COU DME COORDINATES FROM 384929.84N/0921253.95W TO 384937.16N/0921249.76W.
3. UPDATED HOLDING PATTERN MAX TEMPLATE FROM 6 TO 5.
4. UPDATED HOLDING CONTROLLING OBSTACLE FROM 1444 TWR (29-001477) TO 1420 TWR (29-001272).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/06/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: