

RADIO FIX AND HOLDING DATA RECORD

NAME: LINDE

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 413906.45N/0941526.86W

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	MRA	MAA
1	NEWTON	TNU	VOR/DME	L	258.65	261.65	52.21	52.21	3000	17500
2	LAMONI	LMN	VOR/DME	H	341.36	348.36	64.62	64.62	5000	17500
3	OMAHA	OVR	VORTAC	VH	058.00	066.00	72.84	72.84	5500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LMN	VOR/DME	R-341	65	5000	15700
TNU	VOR/DME	R-259	53	3000	17500
OVR	VORTAC	R-058	73	5500	15800

FIX RESTRICTIONS:

MRA ALL 5500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE		WP	156.37	336.37	R	4	3500	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-002042)	413042.00N/0941218.00W	1468	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

NEWTON (FAC 1) AND LAMONI (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	V172	1, 2				(US)
IAP	RNAV (GPS) RWY 20			KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 25			KGfZ	GREENFIELD	IA (US)
IAP	RNAV (GPS) RWY 14		1	KPRO	PERRY	IA (US)
IAP	RNAV (GPS) RWY 32		1	KPRO	PERRY	IA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

UPDATED FACILITY 2 (LMN) MRA FROM "3500" TO "5000" TO MATCH ESV MINIMUM ALTITUDE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Oct 31, 2022

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VAKUC

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 413447.13N/0945720.89W

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 LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N		WP	017.85	197.85	R	4	4000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (19-054346)	414325.46N/0945142.78W	1931	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	RNAV (GPS) RWY 2		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

UPDATED HOLDING CONTROLLING OBSTACLE FROM "1724 MSL TOWER (19-002083)" TO "1931 MSL WINDMILL (19-054346).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER
Digitally signed by

SIGNATURE:

ERIC N SUSKI

Oct 31, 2022



RADIO FIX AND HOLDING DATA RECORD

NAME: YODUG

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 411323.74N/0950842.14W

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 LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S		WP	197.72	017.72	R	4	4000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-000450)	412039.34N/0951521.97W	2836	5D
1	310	TOWER (19-000450)	412039.34N/0951521.97W	2836	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 20	KAIO	ATLANTIC	IA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 2		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. UPDATED HOLDING PATTERN 1 CONTROLLING OBSTACLE FROM "1581 MSL TOWER (19-000216)" TO "2836 MSL TOWER (19-000450).
2. ADDED CLIMB-IN-HOLD CONTROLLING OBSTACLE.
3. UPDATED FIX USE AND ADDED PROCEDURE REQUIRING CLIMB-IN-HOLD TO RNAV (GPS) RWY 20 AT KAIO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Oct 31, 2022

QUALITY
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