

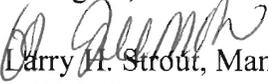


Federal Aviation Administration

Memorandum

Date: APR 23 2012

To: NGB/A30S
1411 Jefferson Davis Highway
Arlington, VA 22202-3231

From:  Larry H. Strout, Manager, Terminal Procedures & Charting Services Central Team,
AJV-353

Subject: **ACTION:** Transmittal of Data

The attached FAA Form(s) for Duluth Intl, Duluth, MN (KDLH) are submitted for further processing.

Please return a signed copy for our files.

8260-13 HI TACAN RWY 27, AMDT 3 (CANCEL)
TACAN RWY 27, AMDT 3 (CANCEL)

The attached FAA Form(s) have been forwarded to NFDC.

8260-2 COTUV, MN ORIG (CNCL) IWIHE, MN ORIG (CNCL)
JIGAG, MN ORIG (CNCL) WANPI, MN ORIG (CNCL)
WUDVO, WI ORIG (CNCL)

Attachments

**UNITED STATES AIR FORCE
TACAN STANDARD INSTRUMENT APPROACH PROCEDURE**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)

2. _____

3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

MINIMUMS

TAKEOFF:	NA	STANDARD	ALTERNATE:												
CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE _____

QUALITY!
1
CHECKED

CITY AND STATE DULUTH, MN	ELEVATION: 1428 THRE: 1419 AIRPORT NAME: DULUTH INTL	FACILITY IDENTIFIER: LKI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: HI TACAN RWY 27, AMDT 3, 06/30/2011	SUP AMDT 2 DATE 02/19/2004
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ALL AFFECTED PROCEDURES REVIEWED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBAA <input checked="" type="checkbox"/>	OTHER (specify) <input checked="" type="checkbox"/> <u>ZMP, DLH ATCT, AMGR</u>

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: DEANNA M. FIELDS <i>for [Signature]</i>	FIFO AJV-353	DATE: 04/12/2012

APPROVED BY		
NAME:	FIFO	DATE:

CHANGES: <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>RECOMMENDED BY: <u>LARRY H. STROUT, AJV-353</u> <i>for [Signature]</i></p> </div> <div style="text-align: center;"> <p>APR 23 2012</p> </div> </div>

REASONS: <p style="text-align: center;">CANCELLATION REQUESTED BY FPT.</p>

QUALITY
 1
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COTUV

STATE: MN

COUNTRY: US

LATITUDE/LONGITUDE: 464910.49N/0920240.69W

TYPE: DME

CANCELLED

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	LAKESIDE	LKI	TACAN	H	104.00	104.00	6.00	6.00 36457	3200	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-TACAN RWY 27	1		KDLH	DULUTH	MN (US)
IAP	TACAN RWY 27	1		KDLH	DULUTH	MN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/30/2011

DEVELOPED BY:

DATE: 07/19/2010

OFFICE: AVN-120

NAME: JOSE ALFONSO (LONNIE EVERHART)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

QUALITY
1
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: IWIHE

STATE: MN

COUNTRY: US

LATITUDE/LONGITUDE: 465023.34N/0920944.53W

TYPE: DME

CANCELLED

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	FAC	MRA	MAA
								NM	FEET		
1	LAKESIDE	LKI	TACAN	H	104.00	104.00	1.00	1.00		1760	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-TACAN RWY 27	1		KDLH	DULUTH	MN (US)
IAP	TACAN RWY 27	1		KDLH	DULUTH	MN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/30/2011

DEVELOPED BY:

DATE: 07/19/2010

OFFICE: AVN-120

NAME: JOSE ALFONSO (LONNIE EVERHART)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

QUALITY
1
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIGAG

STATE: MN

COUNTRY: US

LATITUDE/LONGITUDE: 465007.58N/0920812.58W

TYPE: DME

CANCELLED

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	FAC NM	FEET	MRA	MAA
1	LAKESIDE	LKI	TACAN	H	104.00	104.00	2.08	2.08			1900	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-TACAN RWY 27	1		KDLH	DULUTH	MN (US)
IAP	TACAN RWY 27	1		KDLH	DULUTH	MN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/30/2011

DEVELOPED BY:

DATE: 07/19/2010

OFFICE: AVN-120

NAME: JOSE ALFONSO (LONNIE EVERHART)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

QUALITY
1
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUDVO STATE: WI COUNTRY: US

LATITUDE/LONGITUDE: 463541.63N/0921303.08W TYPE: DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

CANCELLED

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	LAKESIDE	LKI	TACAN	H	185.00	185.00	15.00	15.00		4000	17500

HOLDING: HOLDING TYPE OF ACTION: CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S	LKI	TACAN	185.00	005.00	R		10	4000	17000	13	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	464309.00N/0921615.00W	1683	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 TEMPLATE 13 WAS USED TO ALLOW FOR 10 MILE LEG LENGTHS, MIL REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-TACAN RWY 27	1	1	KDLH	DULUTH	MN (US)
IAP	TACAN RWY 27	1	1	KDLH	DULUTH	MN (US)

REQUIRED CHARTING: MILITARY IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 06/30/2011

DEVELOPED BY: DATE: 06/30/2010 OFFICE: AVN-120 NAME: JOSE ALFONSO (LONNIE EVERHART)

APPROVED BY: DATE: OFFICE: AJV-353 NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

QUALITY
1
CHECKED