U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BELGO INT	VIQ NDB	218.49 / 7.86	3000
MILTO INT	VIQ NDB	023.26 / 15.34	3000

MISSED APPROACH

MAP: VIQ NDB

CLIMB TO 3000 THEN RIGHT TURN DIRECT VIQ NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 271.99 INBOUND.
FAS OBST: 1549 AAO 443614N/0901651W
CHART MARSHFIELD ASOS-3.
FAC CROSSES RWY C/L EXTENDED 3010 FROM THLD.

1. PT L SIDE OF COURSE 091.99 OUTBOUND 3000 FT WITHIN 10 MILES OF VIQ NDB (IAF)
2.
3. FAC 271.99 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: VIQ NDB 270-360 4100, 360-270 3000

MAG VAR: 1W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

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
S-28	1940	1	703	1940	1	703		NA			NA				
CIRCLING	1940	1	702	1940	1	702		NA			NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: USE MARSHFIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE WISCONSIN RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND INCREASE S-28 AND CIRCLING CAT B VISIBLITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1238 THRE: 1237	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB RWY 27
NEILLSVILLE, WI	AIRPORT NAME: NEILLSVILLE MUNI	VIQ	NDB RWY 28, AMDT 7	AMDT 6
				DATE 09/09/1999

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X] ZMP ARTCC, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: JILL OLSON (ANKUR VERMA)	FIFO AJV-353	DATE: 04/10/2012
APPROVED BY		
NAME: LARRY H STROUT MANAGER	FIFO AJV-353	DATE:

CHANGES:

1. TERMINAL ROUTE BELGO TO VIQ CRS/DIST CHANGED FROM 218.47/7.85 TO 218.49/7.86.
2. TERMINAL ROUTE MILTO TO VIQ CRS/DIST CHANGED FROM 023.28/15.35 TO 023.26/15.34.
3. PROFILE SECTION LINE 1 OUTBOUND CRS CHANGED FROM 092.27 TO 091.99.
4. PROFILE SECTION LINE 3 CHANGED FAC FROM 272.27 TO 271.99.
5. MINIMUMS SECTION S-28 MDA/HATH CHANGED FROM 1840/603 TO 1940/703 ALL CATS.
6. MINIMUMS SECTION CIRCLING MDA/HATH CHANGED FROM 1840/603 TO 1940/702 ALL CATS.
7. NOTES SECTION ADDED VISIBILITY REDUCTION BY HELICOPTERS NA, AND WHEN MARSHFIELD ALTIMETER SETTING NOT RECEIVED, USE WISCONSIN RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND INCREASE S-28 AND CIRCLING CAT B VISIBILITY 1/4 MILE.
8. ADDITIONAL FLIGHT DATA SECTION HOLDING PATTERN CRS INBOUND CHANGED FROM 272 TO 271.99.
9. ADDITIONAL FLIGHT DATA SECTION CHANGED FAS OBST FROM 1439 TREE 443529/901952 TO 1549 AAO 443614N/0901651W.
10. ADDITIONAL FLIGHT DATA SECTION CHANGED REMARK FROM FAC CROSSES C/L 3009 FROM THLD TO 3010 FROM THLD.

REASONS:

1, 2, 3, 4, 5, 6, PER CURRENT EVALUATION.
7. PER 34:1 PENETRATION, PER 8260.19D PAR 854L(A)(1).
8. TO ALIGN WITH CURRENT FAC.
9. PER 8260.19D PAR 857D.
10. PER 8260.19D PAR 857H(2).

QUALITY CHECK

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	BELGO INT	VIQ NDB	1. AAO	443939.00N/0902736.00W	1533 (4E)	1000	AT467	3000
			2. TERRAIN	443939.00N/0902736.00W	1333 (1300)		AS1500	2800
FEEDER	MILTO INT	VIQ NDB	3. AAO	441536.00N/0903618.00W	1510 (4E)	1000	AT490	3000
			4. TERRAIN	443321.00N/0903048.00W	1214 (1200)		AS1500	2700
FINAL: PT	10 NM	VIQ NDB	5. AAO	443614.06N/0901651.45W	1549 (2C)	350	RA40	1940
2. PROCEDURE TURN	VIQ NDB	10 NM	6. TOWER (55-001131)	443531.00N/0903714.00W	1714 (5D)	1000	AT286	3000
			7. TERRAIN	444051.00N/0901048.00W	1392 (1400)		AS1500	2900
3. MISSED APPROACH — MAP:	VIQ NDB	VIQ NDB LOM				ASC		3000
			6. TOWER (55-001131)	443531.00N/0903714.00W	1714 (5D)	1000		2800
ELEV:	1550		8. TERRAIN	443530.00N/0903727.00W	1382 (1400)		AS1500	2900
			9. ANT (KVIQT0080)	443337.71N/0902947.45W	1374 (1A)	300	SI	1940
			9. ANT (KVIQT0080)	443337.71N/0902947.45W	1374 (1A)	300	SI	1940

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL	
CATEGORY A	1.3 NM	350	702	
CATEGORY B	1.5 NM	450	702	
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: VIQ NDB

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
270-360	TWR (55-000211)	290/ 20.2	3095 (2C)	4100					
360-270	TWR (55-000574)	080/ 28.9	2000 (5D)	3000					

CITY AND STATE	ELEVATION: 1238 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NEILLSVILLE, WI	NEILLSVILLE MUNI	VIQ	NDB RWY 28, AMDT 7	AGL

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZMP ARTCC AUW FSS	X	N W S	OTHER: ASOS-3	SOURCE: KMFI / KISW
		F A A		DISTANCE: 14.63 / 31.30
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION: KMFI			ADJUSTMENT: 40 / 103

4. MONITOR STATUS	PRIMARY NAVAID: VIQ NDB		
	MONITOR POINT: UNMONITORED		
	HRS OPTN:	CAT 1	
		CAT 3	24
5. APPROACH & RUNWAY LIGHTING		ALS	
		(S) SALS	
		MALS	
		HIRL	
		MIRL	
		REIL	
		TDZ	
		C/LINE	
	X	OTHER (SPECIFY) VASI-2L 10 (PCL), 28 (PCL) LIRL 10, 28	
6. RUNWAY MARKINGS	BASIC		
	ALL WEATHER		
	INSTRUMENT	NPI-F 10, 28	
7. RUNWAY VISUAL RANGE	APPROACH		
	MIDFIELD		
	ROLL OUT		
8. GLIDE PATH	GP ANGLE:		ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:		ELEV GP ANTENNA:
			THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD 3010	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

QUALITY CHECK

PART D - PREPARED BY: JILL OLSON (ANKUR VERMA)	DATE: 04/10/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER IN USE.

PARA 251, 34:1 PENETRATION.

KMFI AND KISW ON SERVICE-A.

VEGETATION HEIGHT 100 FT PER CENTRAL FPT.

TERPS, VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:
34:1
1340 TREE (KVIQT0068) 443325.22N/0902948.08W (38.64)
1339 TREE (KVIQT0066) 443325.19N/0902947.89W (37.23)
1340 TREE (KVIQT0015) 443326.20N/0902944.00W (30.29)
1332 TREE (KVIQT0047) 443322.52N/0902947.14W (27.86)
1332 TREE (KVIQT0043) 443322.54N/0902947.01W (27.59)
1352 TREE (KVIQT0352) 443322.68N/0902936.55W (25.47)
1335 TREE (KVIQT0012) 443324.89N/0902943.62W (24.10)
1330 TREE (KVIQT0032) 443325.24N/0902945.34W (22.84)
1321 TREE (KVIQT0085) 443331.36N/0902948.63W (22.61)
1358 TREE (KVIQT0366) 443331.02N/0902930.79W (21.72)
1335 TREE (KVIQT0009) 443323.63N/0902941.98W (20.25)
1334 TREE (KVIQT0002) 443321.85N/0902939.67W (13.83)
1313 TREE (KVIQT0078) 443328.36N/0902948.58W (13.62)
1319 TANK (KVIQT0026) 443323.10N/0902945.25W (11.02)
1318 SILO (KVIQT0029) 443323.11N/0902945.32W (10.17)
1312 TREE (KVIQT0057) 443330.08N/0902946.69W (9.13)
1280 TREE (KVIQT0120) 443327.99N/0903001.96W (8.86)
1280 TREE (KVIQT0119) 443327.99N/0903001.86W (8.65)
1309 BLDG (KVIQT0056) 443324.50N/0902947.36W (5.90)
1305 TREE (KVIQT0076) 443327.40N/0902948.58W (5.34)
1342 TREE (KVIQT0368) 443329.47N/0902930.65W (4.97)
1318 TREE (KVIQT0011) 443322.47N/0902942.64W (4.31)
1264 TREE (KVIQT0137) 443326.47N/0903007.54W (4.23)
1264 TREE (KVIQT0136) 443327.25N/0903007.41W (4.19)
1294 TREE (KVIQT0099) 443328.70N/0902953.03W (4.15)
1299 TREE (KVIQT0089) 443329.56N/0902950.13W (3.26)
1263 TREE (KVIQT0135) 443327.26N/0903007.34W (3.04)
1345 TREE (KVIQT0375) 443317.80N/0902929.90W (2.95)
1263 TREE (KVIQT0134) 443324.07N/0903007.41W (2.25)
1325 TREE (KVIQT0348) 443318.82N/0902938.73W (1.95)
1302 POLE (KVIQT0070) 443323.94N/0902948.60W (1.37)
1285 TREE (KVIQT0106) 443328.90N/0902955.80W (1.08)

RASS PRESSURE PATTERNS SAME
KMFI 1277.8, KISW 1021.4, KVIQ 1235.5
RA = 40, SECONDARY = 102.18.
SEE ATTACHED AIRSPACE LETTER.

RADIO FIX AND HOLDING DATA RECORD

NAME: BELGO **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 443939.65N/0902412.79W **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	DIST FROM FAC FEET	MRA	MAA
1	STEVENS POINT	STE	VORTAC	L	282.00	281.00	38.08	38.08		3000	17500
2	NEILLSVILLE	VIQ	NDB	MH	038.49	037.49		7.86		3000	17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	291.12	111.12	R		5	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	444100.00N/0903145.00W	1533	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
STEVENS POINT (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V55	1, 2				(US)
IAP	RNAV (GPS) RWY 16			KMFI	MARSHFIELD	WI (US)
IAP	RNAV (GPS) RWY 8			KCWA	MOSINEE	WI (US)
IAP	NDB RWY 28	1, 2		KVIQ	NEILLSVILLE	WI (US)
IAP	GPS RWY 20			KISW	WISCONSIN RAPIDS	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FAC 2 BEARING FROM 037.47 TO 037.49T.
UPDATED FAC 2 DISTANCE FROM 7.85 TO 7.86 NM.
ADDED STEVENS POINT (FAC 1) USED TO ESTABLISH FIX COORDINATES REMARK.

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (ANKUR VERMA)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: CWA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEILLSVILLE NDB **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 443325.60N/0903054.97W **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	DIST FROM FAC FEET	MRA	MAA
1	NEILLSVILLE	VIQ	NDB	MH							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	VIQ	NDB	091.99	271.99	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	443536.00N/0901830.00W	1536	4E

REMARKS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 28			KVIQ	NEILLSVILLE	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
PAT 1 CRS INBOUND CHANGED FROM 272.27 TO 271.99.
PAT 1 HOLDING MIN/MAX TEMPLATE CHANGED FROM 5/9 TO 4/5.
PAT 1 HOLDING MAX ALTITUDE CHANGED FROM 8000 TO 6000.
PAT 1 AIRSPEED CHANGED FROM 230 TO 200.
PAT 1 CTRL OBSTRUCTION CHANGED FROM TOWER (50-1131) 443531.00N/0903714.00W 1714 5D TO AAO 443536.00N/0901830.00W 1536 4E.

DEVELOPED BY: **DATE:** 03/16/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (ANKUR VERMA)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD INFO ONLY

NAME: MILTO **STATE:** WI **COUNTRY:** US

LATITUDE/LONGITUDE: 441913.36N/0903900.79W **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	DIST FROM FAC FEET	MRA	MAA
1	NODINE	ODI	VORTAC	H	053.99	054.99	42.98	42.98		3000	17500
2	EAU CLAIRE	EAU	VORTAC	L	130.00	134.00	49.60	49.60		3500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EAU	VORTAC	R-130	50	35	175
ODI	VORTAC	R-054	43	28	175

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V246	1, 2				(US)
EN ROUTE	V345	1, 2				(US)
IAP	NDB RWY 08			KBCK	BLACK RIVER FALLS	WI (US)
IAP	NDB RWY 05			KMFI	MARSHFIELD	WI (US)
IAP	NDB RWY 16			KMFI	MARSHFIELD	WI (US)
IAP	NDB RWY 28			KVIQ	NEILLSVILLE	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
FAC 1 MAG BRG CHANGED FROM (054.00 TO 053.99).
FAC 1 TRUE BRG CHANGED FROM (055.00 TO 054.99).
FAC 1 DIST FROM FAC ADDED 42.98 NM.
FAC 1 MRA CHANGED FROM (2800 TO 3000).
FAC 2 DIST FROM FAC ADDED 49.60 NM.
FAC 2 MRA CHANGED FROM (2800 TO 3500).
EXPANDED SERVICE VOLUME(ESV): ADDED FAC IDENT FAC TYPE RADIAL/BEARING DISTANCE MIN ALTITUDE MAX ALTITUDE
EAU VORTAC R-130 50 35 175
ODI VORTAC R-054 43 28 175
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/04/2011 **OFFICE:** AVN-120 **NAME:** DEANNA FIELDS

APPROVED BY: **DATE:** 04/06/2011 **OFFICE:** AVN-110 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **Neillsville** STATE: **WI**

AIRPORT NAME: **Neillsville Muni** ID: **KVIQ**

PROCEDURE: **NDB RWY 28** AMDT: **7**

DOCKET#:
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **FACILITY** to 1000' point **7.00**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **4.95**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **270.99**
4. High Terrain in **FINAL** segment containing 1000' point **1349**
5. Distance from **FACILITY** to 1500' point **7.00**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **4.95**
7. True Course of **FINAL** segment containing 1500' point **270.99**
8. High Terrain in **FINAL** segment containing 1500' point **1349**
9. Threshold Coordinates (if straight-in) ... **443327.59N** / **0903020.72W**
10. ARP Coordinates ..... **443329.20N** / **0903044.10W**
11. Runway Approach End and distance furthest from ARP ..... RWY **28**
    Distance **0.28** NM
12. FAF Coordinates ..... **NA** / **NA**

REMARKS: Approach/Drawing attached.