SECTION IV - DISCREPANCIES

INTRODUCTION:

An important aspect of the Auxiliary ATON/CU Program includes the methods and procedures for informing the proper Government agencies of findings. An Auxiliary member should report DISCREPANCIES observed on ATONs and PATONs, the VERIFICATION of Class I, II and III PATONs and the as directed CHECKING of ATONs in accordance with the established policy of the District.

OBJECTIVES:

- 1. To acquire a general knowledge of the responsibilities of the Auxiliary on how discrepancies and verifications are reported.
- 2. To become familiar with the CATEGORIES of ATON DISCREPANCIES.
- 3. To become familiar on how to recognize a discrepancy on an aid to navigation.

INFORMATION:

A Discrepancy on an aid to navigation is defined as a unit which is defective unit, i.e., an ATON or PATON which is NOT watching properly. Discrepancies to ATONs are divided into three categories. The purpose of categorizing ATON discrepancies is to establish the significance of the defective unit and to identify how the observation should be reported. The three discrepancy categories for ATONs are CRITICAL, URGENT or ROUTINE. Discrepancies to PATONs are classified in the ROUTINE category only.

- The definitions for each category of ATON discrepancies are as follows:
 - a. <u>**CRITICAL</u>** For those discrepancies where failure to report by the most expeditious means may result in loss of life or damage to a vessel.</u>
 - b. <u>URGENT</u> For those discrepancies where failure to report will result in NO danger or loss of life or vessel damage, BUT may contribute to grounding or stranding.
 - c. **<u>ROUTINE</u>** For those discrepancies where failure will result in very low likelihood of grounding or stranding, BUT corrective maintenance is necessary.

The HOW?/WHEN?/WHAT? for the reporting of discrepancies is determined by the nature of the discrepancy. The primary transmittal methods that are available for reporting discrepancies are RADIO, TELEPHONE or by U.S. MAIL.

• The following describes the HOW?/WHEN?/WHAT? discrepancies are reported for both

ATONs and PATONs : (All reports by radio or telephone must be followed-up by a written report.)

- a. ATONs ONLY
 - (1) <u>Critical Discrepancies Report by Radio Immediately</u>
 - (a) Aid totally covered or shrouded in ice.
 - (b) Light signal showing improper characteristics or rhythm.
 - (c) Light signal obscured or extinguished.
 - (d) Sinking or submerged buoy.
 - (e) Buoy off station, adrift, missing, capsized or stranded.
 - (f) Radio beacon off the air or giving improper characteristics. (Note: Characteristics of radiobeacons are in the Department of Transportation/U.S. Cost Guard Light List.)
 - (g) Vandalism of aids (either in progress or the result of such actions).
 - (h) Aids damaged by vessel collision.
 - (i) Collapsed bridge structures, fender systems and obstructions to navigable channels.

(2) <u>Urgent Discrepancies - Report by **Telephone** - ASAP</u>

- (a) Daymarks missing or damaged by causes other than vandalism.
- (b) Sound signal failure (bell/gong/horn/tapper/whistle/etc.) (Note: Sound signals may be electrically operated or wave actuated.)
- (c) Radio beacon timing sequence incorrect. (Note: Timing sequence of radio beacons are in the Light List.)
- (d) Light burning dim or showing reduced intensity. (Note: Verify by close examination that the "burning dim" or "reduced intensity" condition is not being caused by smoke or other atmospheric conditions.)
- (e) Lights partly or totally obscured by dayboards.
- (f) Bridge light outages: inoperative draw, swing, lift or retractable

bridges.

b. ATONs and PATONs

Routine Discrepancies - Report by Mail - ASAP

- (a) Aid obscured by foliage or other objects that should be removed.
- (b) Faded daymarks, whether located on aids in the water or on shore.
- (c) De-lamination of dayboards.
- (d) Leaning structure. (Leaning more than 15 degrees from the vertical)
- (e) Bird nest(s) on aid.
- (f) Improper dayboards. (Check against Light List.)
- (g) Retro-reflective material peeling, missing or inadequate.
- (h) Dayboard missing.
- (i) Numbers that are obliterated and not easily read or identified.
- (j) Extensive bird fouling on aid.
- (k) Peeling paint interfering with ability to see aid.
- (1) Extensive deterioration and/or rotting of wood supporting structure.
- (m) Missing or severely damaged radar reflectors.
- (n) Missing vent valve on lighted buoy.
- (o) Discrepancies regarding State and privately owned and maintained aids.
- (p) Other bridge or fender system discrepancies. (Refer to Bridge Discrepancies in Section V).
- (q) Unauthorized PATON

Once a discrepancy on an aid to navigation has been reported via Radio, Telephone or Mail and followed-up with a distributed CG-5474 and/or <u>Notices to Mariners</u> by the Coast Guard

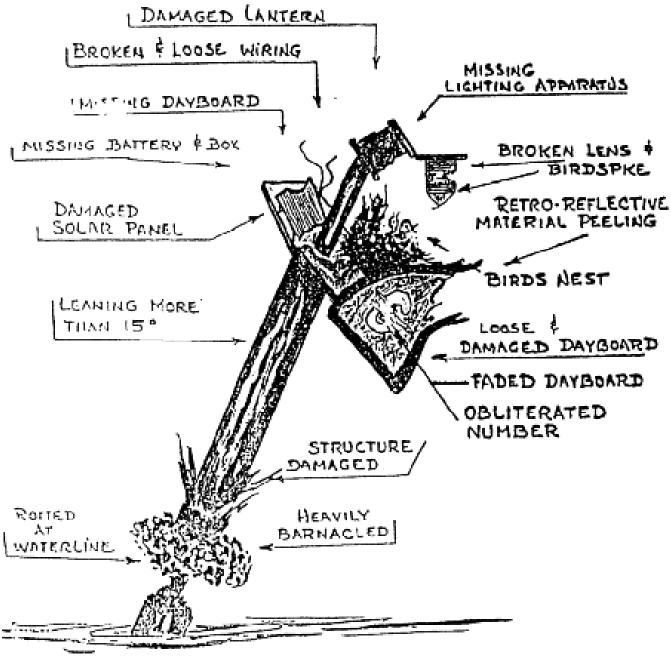
via Broadcast or published in the USCG District Local Notice to Mariners or DMAHTC Weekly Notice to Mariners, no further reporting is necessary. AN Staff Officers transmitting discrepancy reports should assure that they are not duplicated.

Again, it is important to know that, Coast Guard personnel actually INSPECT ATONs, Auxiliary members only CHECK ATONs when so directed.

Examples of some of the types of ATON/PATON discrepancies and sample copies of reported items via CG-5474s are illustrated in the following:

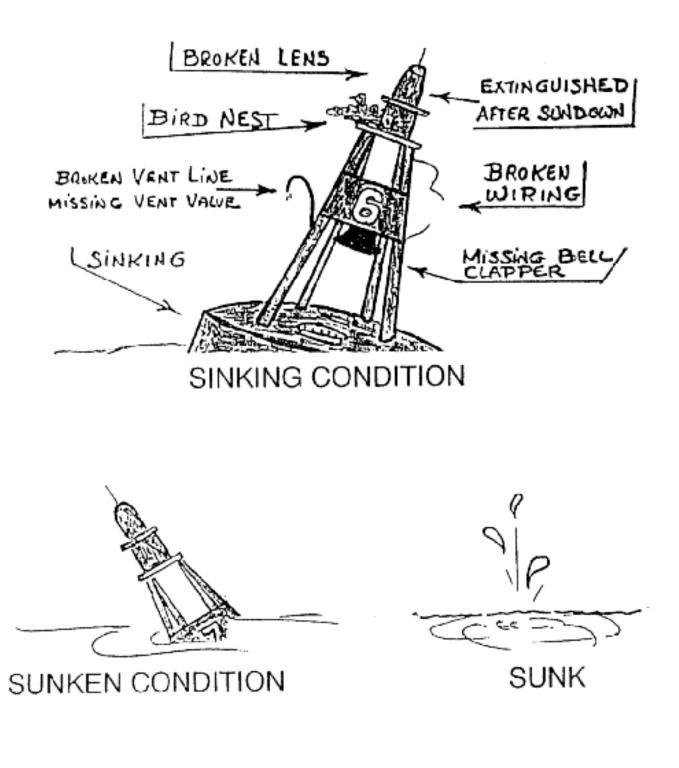
Auxiliary members and their units submitting CG-5474 reports are awarded points, refer to Section XII.

COAST GUARD AUXILIARY - NATIONAL ATON-CU STUDY GUIDE



DISCREPANCIES

EXAMPLE #1 - DISCREPANCIES



EXAMPLE #2 - DISCREPANCIES

EXAMPLE #3 – UNAUTHORIZED AIDS

UNAUTHORIZED ESTABLISHMENTS Signs-Pipes-Poles-STAKES



8AMI	A TYPICAL ATON (FEDERAL AID) "CHECKING" REPORT INVOLVING MORE THAN ONE AID (ALL IN ONE CHANNEL, "WATCHING PROPERLY?"										
DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD CG 5414(AUX) (10-87)	TION REPORT										
	SECTIO	NI OBS	SERVER'S I	DENTIFI	CATI	ON DAT	A				
MEMBER NUMBER		ME	FIRST NAME AND INITIAL								
a - a		WILLIE									
0 7 0 11 10 1 2 3 S POTTIN MILLE											
NUMBER AND STREET	STATE	ZIP CODE	τ	LLEPHONE NUM	IER						
PO: Box 123			ANYTO	νωd		TX	12345	5 9	23.123.4	567 2	
The st	SEC	TION II	COAST GU	ARD NO	TIFIC	ATION				4 4	
CORTOLIARD UNIT	OTIFIED	DATE	OBSERVED	DATE	REPO	RTED	м	THO0 0	FREPORTING	P	
COPI PPO V		MM	0 D Y Y	MM	DD	1	RADIO.	TELER	HONE MA		
(5			1 - 4 -	6-1			TIME REPOR	200	1 See	4 F	
ANT. CORPUS CRI			DESCRIPTI	ON OF O	1 <u>2</u>	EPANC			4300	+	
	N				-			30	P. P. P		
ONNERSHIP THE MON	COASTIGUA		_ STAT				1	ANKER		F	
	MARINER	_						-			
LATITUDE 00 - 06.2 N		<u>-3</u>	<u>, z' w</u> .	CH	ART	NO. [14	L_OTHER				
TYPE OF AID BUOY_	STRUCTURE	V. 1	LIGHTED	5014		EL	ECTRONIC_				
STRUCTURES WOOD	METAL	- 078	IER		500	UND SIG	WALS BEL	L	_ GONG	- 8	
UGHT COLOR RED	GREEN	WHITE	YELLO	w			HOR	N	WHISTLE	_ [
	COMP	ION DISC	REPANCIES	COMME	NTS P	EQUIRE				i.	
			D BY COLUS	HON .			RET	PEEL	LECTIVE MATERI		
MISSING*		DAMAGE						MISSU			
BIRDS NEST		FADED	-					HAD	EQUATE		
ESCESSIVE BIRD FOULIN	-	PEELING					wc	E MARK	En Charles		
BATTERY BOX INTACT OBLITERATED NUMBER			VENT VALV				/=	DAN	Sease .	/ (
EXCESSIVE OFTERLORA	NON	ROTTING	WOOD STR	UCTURES		/	/	_ L 🕬	ON THAN	15	
LIGHTED AND LANTERN D		EXTING				/	UCED INTER	मुख्य			
TIMING ERR		RATINE	UOU /	NUMBER		754ER	- 600 800	B OBLIT	TERATED		
ADBIET CAR	SIZED	1010	TAP	PER MISS	ING_		ELLANSING		GONG MISSING		
WHISTLE MISTING	A. SHISPLE		L				2		THOMAS BANGS		
WHISTLE MISTING	TATION ETERMIN	ATION	ADE7 (i.e.,)	V	AL SE	J.P.	ANGLES, CON	19 A.39 B	EXCHOS, HANSI		
MARINER U	ILLACE C	HAN	DBN	тţц	5	1190) ALL	. AR	L		
u		11	DBA			1191		CHU	V- PROPE	KPA-	
	-1		DBN DBN			EPII	STR	CTUR	ZES APPE	98	
			DEN	54	_	1194					
	a latin a second se						/	-			
(REMEMBER- LICHTED ANDS MUST DE CHECKED ALSO APTER SUNDOWN!)											
SIGNATURE OF DESERVER							DATE				
signature of deserver نگان دی	e Spott	<u>،</u>	FSON	ΑN			FEB	. IZ	. (992		

EXAMPLE – ATON CHECKED REPORT (CG-5474)

SAI	JD	33			REPOR	TE A	A FEDER	EPA	DR NCY. Owly Ch	E ^{ck} G ⁰
DEPARTMENT OF IT ANSPORTATION U.S. COAST GUARD CG-5474(AUX) (10-87)	AIDS TO NAVIGATION REPORT								ATE VERIFICATION	/
		SECTIO	NI OBSERVI	ER'S IDENT	IFICATI	ON DAT	A			
MEMBER NUMS	ED				FIRST NAM	E AND	INITIAL			
	10229DOAKS						0.			
9 19 11 10	2290	UARS		S MAILING						
NUMBER AND STREET			CITY				ZIP CODE		TELEPHONE NUMB	ER
1234 MA	IN_ST,	- NY	5×16	ARGO		FI.	1234	5	813-123-4	54
		CH COREC	TION II COA	ST GUARD	NOTIFIC	ATION				
COAST GUAR	D UNIT NOTIF	Est /	DATE OBSER	AVED D	ATE REPO	DATED			OF REPORTING	
CLEARWATER		LAY	MNDD	YYM	MDD	YY		-		L
ANT. STPET		•	1110	921	110	92	TIME REPORT	ATED	1520 R	-
ANT. SEPEL		SECT	TON III DES	RIPTION	P DISCP	EPANG	2-7			4-
OWNERSHIP		COAST GUA		STATE	K	PRIVATE		OTHE		<u> </u>
	ASO NAME C	AUSERA	CHANT	DBN	L	an 211	70 MILE	MARKE	AUL all	
LATITUDE 27: 55				<u>م</u>	CHART	NO.(14	(1 (56))==	<u>'</u>	What	Z
		STRUCTURE		ED	SOUND _		ECTRONO.	- 1	e /	
	0000	METAL Y	CTHEN_			NUNE SIG	NALS ABE	620	GONG	
STRUCTURES				YELLOW		1	HOI	RN	WHISTLE	_
LIGHT COLOR	RED G		ION DISCREPA		MMENTS	REQUIRE	D)	-		
VANOALIZED*			DAMAGED BY				RC		FLECTIVE MATERS	AL
IMPROPER CHAR	RACTERISTICS		OBSCURED					PEE MIS		
MISSING*			PADED						DEGUATE	
ESCESSIVE BIRD	FOULING		PEELING PAIN	т			и	LEMAN	AKER DAUB	
BATTERY BOX			MISSING VENT						SING DAYBO	AL T
COLITERATED	NUMBER		DAYMARK DE				-		MAGED SNI NG MOGE TN AN	15*
EXCESSIVE DET	ERIORATION		ROTTING WO					~	_	5
and the second second	TENN DAMAG		EXTINGUISHE RATING CONT			OTHER .	NICEDIATEN	1	Nº MATION)
	SURMER		OFF STATION			CURED	2609	EBO	TTERATED	7
BUOY SINKING	CAPSIZE	0 ST	RANDED	TAPPER	MISSING.		n GCUIESAN	ST	GONG MISATING	-
WHISTLE MI	SSING	OTHER				10.4	A MORE CO	MIPAS	BEARINGS RANG	E
COMMENTS: *HOW W	AS OFF STATE	ON DETERMINAN'S EYE?)	NATION MADE	7 fue., HOHD	ZONTAL :	SEXIMU	5	/		
							×	-		_
THE	ACTAL	STRUCT	ORE IS	BEN	TAN	DL	EANING	A	PPRoy 25	
-	-									
			ACES E							
hauge	40 3 7	HAT TA	CES W	EST I	50	PSID	5- DO	au	AND	
HANAL	Nato	OSE C	34 A S	INGLE	Bo	LT.				
							Inert			
DICHATURE OF OHS	Lu C	Do	aKs, f	so-A	J		Acu	. 10	0. 1992	

EXAMPLE – ATON DISCREPANCY REPORT (CG-5474)

SUDS	63	R	A TYPICAL PATCN VERIFICATION REPORT INVOLVING MORE THAN 1-AID. (Missi all are in the same channel and all are "Watching Properly).							
DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD OG-51 T4(AUX) (10-87)	AIDS TO NAVIGAT			INDI	CATE DEDIFICATION D DISCREPANCY					
SECTION I OBSERVER'S IDENTIFICATION DATA										
MEMBER NUMSER	LAST NAME	1		FIRST NAME AND	DINITIAL					
1-4-4-1-22	SPATTIM	101	LLIE							
NUMBER AND STREET	CITY	Cinto Aborica	STATE	ZIP CODE	TELEPHONE NUMBER	- to				
Ro. Box 123					923 .123 .454	1				
- FO. 150% 163	SECTION II COAST GU		CATION							
CORDOUARD UNIT NOT	and the second se			METHO	D OF REPORTING	10				
TOP OF TOUARD UNIT NOT	IFIED UNIE OBSERVED	- ululala	1-1-		EPHONE MAR S	군Ы				
(501	MNDDT		1.1.1			- 6				
ANT- CORPUS CRIST	TX 021291	20212	92	TIME REPORTED	- HOY					
	NAME RECTION III DESCRIPT	ION OF DISC	REPANC	Y	Pro -					
OWNERSHIP THE MAINER	COASTOUARD STA		PRIVATE		R-I-					
POSITION SPEJIC AID NAME	MARINER VILLAGE C	HANL	}-₽.∢I	Z MILE MARK	en					
LATITUDE 00-06.2 A L	ONGITUDE 00-34.2' W	CHART		UOTHER						
			EL	ECTRONIC	_					
TYPE OF AID TUDY			OUND SIG		GONG	Ē				
STRUCTURES WOOD			JUNO AIG		WHISTLE	1				
LIGHT COLOR NED	GREEN WHITE YELL				Whishee	-				
	COMMON DISCREPANCIES		HECOIRE	RETROR	EFLECTIVE MATERIAL					
MPROPER CHARACTERISTI				PE						
MISSING*	DAMAGED				SSING	\ B				
BIRDS NEST	FADED				ADEQUATE					
ESCESSIVE BIRD FOULING	PEELING PAINT MISSING VENT VAL	VE		M	SSING C . OF	/ 0				
BATTERY EOX INTACT GOLITERATED NUMBER	DAYMARK DELAMI			/="	NO STOR					
EXCESSIVE DETERIORATIO	N ROTTING WOOD STR	RUCTURES	/		MORE THAN 15					
LICHTED AID LANTERN DAM	AGED EXTINGUISHOD	LIGHT		UCED INTERNITY	£					
TIMING ERROR	OFERATINE	JSLY	OTHER _	200						
BUDY SINKING SUPPRE	RGED UN TRANED	NUMBER OBS	CUHALU_	PECLANESING	GONG MISSING					
WHISTLE MISSING	AGED UNIT A DEO T		_112	y		_				
COMMENTS: "HOW WAS OF LSTA FINDER, HADAR, CORAL OF SEA	ED TA DEO TA	HOREZONTAL	HAR ANT	ANGLES, COMPAS	S BEARINGS, RANGE					
MARINER UI	LACE CHAN'L DBN	11 (11_9	51190) ALL A	26					
11	# II DBA		51191	()	UNG PROPERI	Y=-				
41	I II DBA		51193	STANT	URES APPEAR	2				
	H H DBI	J S (U	51194	1 2						
				/						
Linker Line Huler L. OURDIER LICE AFRED SHUDWIN										
(REMEMBER- LICHTED AUDS MUST DE CHECKED ALSO AFTER SUNDONDA!)										
				-	and the last of the second sec					
SIGNATURE OF OBSERVER	Spottin, FSO.	AN		FEB.	2. 1992					

EXAMPLE – PATON VERIFICATION REPORT (CG-5474)

SAMPLE							REPORTING AN UNAUTHORIZED ESTABLISHMENT.						
DEPARTMENT OF TLANSPORTATION U.S. COAST GUARD CG-5474(AUX) (10-81)	ANSPORTATION ALES TO NAVIGATION RE						REPORT UNDICATE						
SECTION LOBSERVER'S IDENTIFICATION DATA													
MEMBER NUMBER	MEMBER NUMBER					FIRST NAME AND INITIAL							
6701110	1229 JONES					\square	JOHN P.						
OBSERVER'S MAILING ADDRESS													
NJMEER AND STREET				CITY				STATE	ZIP CODE		TELEPHONE NUMBER		
PO. Box 123				AN	/To	ωN		FL. 344			813-791-0023		
	/	NY SEO	TION II	COAST	GUA	RDNO	TIFIC	ATION					
COAST GUARS	UNIT NOT	101	DATE	DESERV	ED	DATE	REPO	RTED		THO	O OF REPORTING		
ANT	Cox poo		MM	0 0	· •	M M	00	YY	RADIO				
ST. PETERSBU			62	129	2 2	8 2	12	92	TIME REPOR	TED,			
DI. FEILKEDU	24 14	SECT	10W III	DESCR	IPTIO	NOF	DISCR	EPANC	Y				
OWNERSHIP		COAST GUA	ND	5	TATE			RIVATE	1	отне	5		
POSITION AI	NAME NO	T LIST	D OR	CA	ART	ED.	LLN	n N/		AARK	ER		
LATITUCE 28-41-18									-				
									ECTRONIC _	_			
		METAL					_	IND SIG			GONG		
1		_					1.00				WHISTLE		
LIGHT COLOR RE	U GH	CEN)		-	-	-		001405			WHISTEE		
WANDALIZED			DANAGED				CHIPPH	caune		RORE	FORCTIVE MATERIAL		
IMPROPER CHARA	CTERISTICS		Descure								LING		
BIRDS NEST			DANAGEO FADED	,			ALL ALL INADEQUATE						
ESCESSIVE BIRD F			PEELING			/		1	STOP MIL	EMAR	n fa		
OFLITERATED NU			MISSING V DAYMARI			6		170	~ _		ING NAGED		
EXCESSIVE DETER			ROTTING				SP.S.	pri o		ZLE/	NING MORE THAN 15"		
LIGHTED AID LANTE	RN CAMAGE	D	EXTINGU	SHED_	1	The	BHT D	M/RED	UCED INTENS	HTY_			
	ERROR		ATING C		_		083CL	HER		0.00	17534350		
BUOY SINKING		ED 0	ANDED_		_	MISER MISS					GONG NISSING		
WHISTLE MASSI	NG	отнея					4						
COMMENTS: "HOW WAS FINDER, RADAR, LORAN	OFF STATIO	N DETERMIN	ATION M	ADE? II.	е., НО		TAL 35	XTANT	ANGERS, CON	PASS	BEAHINGS, MANGE		
AN UNCHA	RTED/0	AM TH	L 86	N-CI	1.	പല	ER.	TAA	K BAY	L Ci	A POSITION		
POINTING TO	9-9-1	<u>12"</u>		لتريش	-	<u>م</u> ب	ie Di		REAN I	CAT	ALWD.		
Position	WAS 1	SETERA	AINED	By	15	617	ANT		MPASS	B	GARINSS -		
SEAMANS E	YE ET	۲ <u>د</u> .).	1 /4 -	INCO	÷le	-	4 6		-		-		
EL ZAPPO	MARIA	HIJ AIC	~	UCEN	1	12.0	ns.						
123 MAIN) St		و تعويد	7	R.						FY THE OWNER		
BAY City PH: 813-			SH AF	+	1 5						DRAWING.		
SIGNATURE OF OBSETS	νE/h			- 1					DATE				
5	olur 1	57%	ne s						FCB	. v	Z, 1992		

EXAMPLE – PATON DISCREPANCY REPORT (CG-5474)