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PATON PROGRAM PROBLEM RESOLUTION MATRIX

PATON PROBLEM	PRIORITY	AV - AID VERIFIER	CG ANT	OWNER	DPW 1
Aid is missing PATON Specifications	Routine	1. Report on a 7054 AV Verification Report			1. Review and update the PATON record.
Permitted LAT/LONG does not match AV field observation.	Routine	1. Determine whether PATON is off station by applying PTE - Position Tolerance Estimation procedure. 2. Apply NS-CU07 Vertical and Horizontal Error Calculator. 3. If beyond PTE, report as off station - see below.	1. Notify PATON Owner and determine Lat/Long disposition with owner. 2. Advise owner to report all changes of a permit to DPW-1. 3. Advise owner of the criteria for determining when a PATON is considered off station.	1. Notify DPW 1 of all changes to the PATON's permit.	1. Upon receipt of permit corrections, update PATON record.
Lateral PATON AV field observation does not match the IALA-B Aid to Navigation System.	Routine	1. Check off the question on the 7043 AV Verification Report. 2. Include a discrepancy photo as evidence of the problem on your report.	1. Notify the Owner to bring the PATON into compliance. 2. Advise DPW 1 of any LNM reporting requirements. 3. Advise Owner of info available on the District Navigation Web Site. 4. Track problem until resolved. 5. Notify DPW 1 of any changes needed to the PATON record, the Light List and/or the NOAA charts.	1. Bring PATON into compliance with Federal Guidelines. 2. Notify the CG ANT with completed.	1. Make any changes reported by the CG ANT.
Lateral PATON is off station.	CRITICAL	1. Apply PTE of 50 feet from the Permitted to the Observed position. If over Observed fix is 51 feet or over, report the lateral aid as off station. 2. Show reason in the AV Observation section of report.	1. Notify PATON Owner and determine Lat/Long disposition with owner. 2. Advise DPW 1 of any LNM reporting requirements, 3. Advise owner to report all changes of a permit to DPW-1. 4. Advise owner of the criteria for determining when a PATON is considered off station.	1. Notify DPW 1 of all changes to the PATON's permit.	1. Upon receipt of permit corrections, update PATON record.

Regulatory PATON is off station.	Routine	<p>1. Apply PTE as follows:</p> <p>a. Restricted Area - canals and narrow inlets - 75 feet.</p> <p>b. Less Restrictive - harbors and coves - 100 feet.</p> <p>c. Little Restrictions - Large harbors, coastal areas - 150 feet.</p> <p>2. Show reason in the AV Observation section of report.</p>	<p>1. Notify PATON Owner and determine Lat/Long disposition with owner.</p> <p>2. Advise owner to report all changes of a permit to DPW-1.</p> <p>3. Advise owner of the criteria for determining when a PATON is considered off station.</p>	1. Notify DPW 1 of all changes to the PATON's permit.	1. Upon receipt of permit corrections, update PATON record.
PATON is adrift.	URGENT	<p>1. Notify CG ANT by phone immediately indicating the current location of the aid and, if known, the LLNR or Aid Number,</p> <p>2. Follow up with a 7054 AV Verification report with discrepancy photo of the PATON.</p>	<p>1. Notify PATON Owner of the location of the aid.</p> <p>2. If a lateral aid, notify DPW 1 of any LNM reporting requirements.</p> <p>3. Determine the replacement or disposition of the PATON from the owner,</p> <p>4. Track the status of the aid with the owner.</p> <p>5. Advise DPW 1 of final disposition of the PATON.</p>	1. Recover the PATON and advise CG ANT of its disposition plan.	<p>1. If required, publish LNM.</p> <p>2. Upon advice from CG ANT, publish LNM.</p>
Lateral Aid is missing.	CRITICAL	<p>1. Notify CG ANT by phone immediately indicating the aid is missing.</p> <p>2. Follow up with a 7054 AV Verification Report.</p> <p>3. Show in the AV Observations the procedure used to determine that the aid was missing.</p>	<p>1. Notify PATON Owner that the aid is missing.</p> <p>2. Notify DPW 1 of any LNM reporting requirements.</p> <p>3. Determine the replacement or disposition of the PATON from the owner,</p> <p>4. Track the status of the aid with the owner.</p> <p>5. Advise DPW 1 of final disposition of the PATON.</p>	1. Advise CG ANT of the disposition plan for the aid.	<p>1. If required, publish LNM.</p> <p>2. Upon advice from CG ANT, publish LNM.</p>
Regulatory Aid is missing	Routine	<p>1. Notify the CG ANT on a 7054 AV Verification Report.</p>	<p>1. Notify PATON Owner that the aid is missing. Determine the replacement or disposition of the PATON from the owner</p> <p>2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements.</p> <p>3. Track the status of the aid with the owner.</p> <p>4. Advise DPW 1 of final disposition of the PATON.</p>	1. Advise CG ANT of the disposition plan for the aid.	<p>1. If required, publish LNM.</p> <p>2. Upon advice from CG ANT, publish LNM.</p>

PATON is not marking the best water.	Routine	<ol style="list-style-type: none"> 1. Notify the CG ANT on a 7054 AV Verification Report. 2. Explain your case in detail in the AV Observations section. 3. Include discrepancy photos as evidence. 	<ol style="list-style-type: none"> 1. Review the case. 2. If needed, discuss the suggestions with the Owner. 	<ol style="list-style-type: none"> 1. Discuss the case with the CG ANT. 2. If needed, advise DPW 1 of any changes to the PATON specifications. 	<ol style="list-style-type: none"> 1. If required, publish LNM.
PATON is sinking	URGENT	<ol style="list-style-type: none"> 1. Notify CG ANT by phone immediately indicating the aid is missing. 2. Follow up with a 7054 AV Verification Report. 3. Show in the AV Observations the procedure used to determine that the aid was sinking. 4. Include discrepancy photos as evidence. 	<ol style="list-style-type: none"> 1. Notify PATON Owner that the aid is sinking. Determine the replacement or disposition of the PATON from the owner 2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements. 4. Track the status of the aid with the owner. 5. Advise DPW 1 of final disposition of the PATON. 	<ol style="list-style-type: none"> 1. Advise CG ANT of the disposition plan for the aid. 	<ol style="list-style-type: none"> 1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Lateral Aid is stranded Caution: Always check aids at time of high water. Correct all depth reading to charted datum using the formula: "Depth reading plus the correction for the vessel's transducer minus the estimated HOT-Height of Tide from your GPS". Negative results indicate periods of stranding for the PATON.	CRITICAL	<ol style="list-style-type: none"> 1. Notify CG ANT by phone immediately indicating the aid is stranded. 2. Follow up with a 7054 AV Verification Report. 3. Check the area for shoaling. 4. Include discrepancy photos as evidence. 	<ol style="list-style-type: none"> 1. Notify PATON Owner that the aid is stranding. Determine the replacement or disposition of the PATON from the owner 2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements. 3. Track the status of the aid with the owner. 4. Advise DPW 1 of final disposition of the PATON. 	<ol style="list-style-type: none"> 1. Advise CG ANT of the disposition plan for the aid. 	<ol style="list-style-type: none"> 1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Regulatory Aid is stranded.	Routine	<ol style="list-style-type: none"> 1. Report on a 7054 AV Verification Report 	<ol style="list-style-type: none"> 1. Notify PATON Owner that the aid is stranding. Determine the replacement or disposition of the PATON from the owner. 2. Track the status of the aid with the owner. 	<ol style="list-style-type: none"> 1. Advise CG ANT of the disposition plan for the aid. 	

PATON is capsized	Routine	1. Report on a 7054 AV Verification Report	1. Notify PATON Owner that the aid is capsized. Determine the disposition of the PATON from the owner. 2. Track the status of the aid with the owner.	1. Advise CG ANT of the disposition plan for the aid.	
PATON is submerged.	URGENT	1. Report on a 7054 AV Verification Report. 2. Call the CG ANT if a dangerous situation exists for local mariners. 3. When a dangerous condition exists, describe the danger in the AV Observation section. 4. Attach a discrepancy photo	1. Notify PATON Owner that the aid is submerged and poses a danger to local mariners. . Determine the disposition of the PATON from the owner. 2. Track the status of the aid with the owner. 3. Notify DPW if deemed necessary.	1. Advise CG ANT of the disposition plan for the aid. 2. Advise CG ANT when situation is corrected.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
PATON is damaged by Vessel Collision.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
PATON has been vandalized.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Extensive bird fouling is compromising the color of a lateral PATON	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Peeling or rust is compromising the color of a lateral PATON	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Retroreflective material is missing, peeling or inadequate.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	

Numbers are missing on a lateral PATON.	URGENT	1. Report on a 7054 AV Verification Report. 2. Attach a discrepancy photo	1. Notify PATON Owner that the aid is missing numbers. . Determine the disposition of the PATON from the owner. 2.Track the status of the aid with the owner. 3. Notify DPW 1 if deemed necessary.	1. Advise CG ANT of the disposition plan for the aid. 2. Advise CG ANT when situation is corrected.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Numbers are damaged or the wrong color.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2, Notify CG ANT when completed.	
Structure is leaning more than 15 degrees.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2, Notify CG ANT when completed.	
Extensive and/or rotting members on a structure.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Lateral Aid - Improper light characteristics on a lighted PATON.	URGENT	1. Report on a 7054 AV Verification Report. 2. Attach a discrepancy photo 3. Describe the observed characteristics in the AV Observation section.	1. Notify PATON Owner of the lighting problem. . Determine the disposition of the PATON from the owner. 2.Track the status of the aid with the owner. 3. Notify DPW 1 if deemed necessary.	1. Advise CG ANT of the disposition plan for the aid. 2. Advise CG ANT when situation is corrected.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Regulatory Aid - Improper light characteristics on a lighted PATON.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Notify PATON Owner of the lighting problem. . Determine the disposition of the PATON from the owner. 2.Track the status of the aid with the owner. 3. Notify DPW 1 if deemed necessary.	1. Assess and repair problem. 2, Notify CG ANT when completed.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.

Light is obscured or extinguished on a Lateral PATON.	URGENT	1. Report on a 7054 AV Verification Report. 2. Attach a discrepancy photo 3. Describe the observed characteristics in the AV Observation section.	1. Notify PATON Owner of the lighting problem. . Determine the disposition of the PATON from the owner. 2.Track the status of the aid with the owner. 3. Notify DPW 1 if deemed necessary.	1. Advise CG ANT of the disposition plan for the aid. 2. Advise CG ANT when situation is corrected.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Light is burning dim or with reduced intensity.	Routine	1. Report on a 7054 AV Verification Report 2, Indicate how you made this determination in the AV Observations section.	1. Notify PATON Owner of the lighting problem. . Determine the disposition of the PATON from the owner. 2.Track the status of the aid with the owner. 3. Notify DPW 1 if deemed necessary.	1. Assess and repair problem. 2. Notify CG ANT when completed.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Light is obscured by a dayboard.	Routine	1. Report on a 7054 AV Verification Report 2, Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Lantern is damaged.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2, Notify CG ANT when completed.	
Lantern is missing.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Solar panel is damaged or incorrectly oriented.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Battery Pack is damaged or missing.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Missing vent valve on a lighted PATON. NOTE: Can become a sinking issue even on an aid with LED lights.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	

Dayboard is missing or damaged.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Dayboard is faded.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Dayboard is delaminating	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Dayboards are obscured by foliage or other object.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Improper dayboard per Permit specification or Light List.	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed. 3. Notify DPW 1 of corrections to the Permit Specification, if any.	1. Correct the PATON permit as needed.
Sound Signal discrepancy	Routine	1. Report on a 7054 AV Verification Report 2. Include a discrepancy photo with your report	1. Advise PATON Owner of the problem and request disposition. 2. Track the status of the aid with the owner.	1. Assess and repair problem. 2. Notify CG ANT when completed.	
Radio Beacon is off the air or emitting an incorrect signal. NOTE: Include how the electronic equipment used to determine this problem was calibrated	CRITICAL	1. Notify CG ANT by phone immediately indicating the aid is stranded. 2. Follow up with a 7054 AV Verification Report. 3. Explain in the AV Observations how the problem was determined.	1. Notify PATON Owner of signal discrepancy. Determine the replacement or disposition of the PATON from the owner 2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements. 3. Track the status of the aid with the owner. 4. Advise DPW 1 of final disposition of the PATON.	1. Advise CG ANT of the disposition plan for the aid.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.

RACON is off the aid. NOTE: Include how the electronic equipment used to determine this problem was calibrated	CRITICAL	1. Notify CG ANT by phone immediately indicating the aid is stranded. 2. Follow up with a 7054 AV Verification Report. 3. Explain in the AV Observations how the problem was determined.	1. Notify PATON Owner of signal discrepancy. Determine the replacement or disposition of the PATON from the owner 2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements. 3. Track the status of the aid with the owner. 4. Advise DPW 1 of final disposition of the PATON.	1. Advise CG ANT of the disposition plan for the aid.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Fog Signal	CRITICAL	1. Notify CG ANT by phone immediately indicating the aid is stranded. 2. Follow up with a 7054 AV Verification Report. 3. Explain in the AV Observations how the problem was determined.	1. Notify PATON Owner of signal discrepancy. Determine the replacement or disposition of the PATON from the owner 2. When aid is listed in the Light List or is charted, notify DPW 1 of any reporting requirements. 3. Track the status of the aid with the owner. 4. Advise DPW 1 of final disposition of the PATON.	1. Advise CG ANT of the disposition plan for the aid.	1. If required, publish LNM. 2. Upon advice from CG ANT, publish LNM.
Aid is not permitted.	URGENT	1. Follow the Non-Permitted PATON Program Guideline.	1. Follow the Non-Permitted PATON Program Guideline.	1. Register on the PATON System 2. Submit a PATON Application to DPW-1 or remove hazard.	1. Process the PATON Application received from the Owner.

