

DEPARTMENT OF HOMELAND SECURITY  
U.S. COAST GUARD

## FEDERAL FLOATING AID TO NAVIGATION OPERATION REQUEST SUPPLEMENT

(See Page 2 for Instructions)

1. Project Number:	2. Aid Name:	3. Light List Number:	4. Date:
5. Aid Description Type:	6. Aid Position:  A. Latitude: B. Longitude:	7. Request Type (Provide Details in the Remarks):  <input type="checkbox"/> Establish <input type="checkbox"/> Relocate <input type="checkbox"/> Other	
<b>8. LIGHT SIGNAL REQUIREMENTS</b>			
A. Operational Range Requirement (In Nautical Miles):	B. Metrological Visibility (80%) (In Nautical Miles):	C. Required Effective Intensity (In Candela):	
<b>9. LIGHT SIGNAL EQUIPMENT</b>			
A. Check one: <input type="checkbox"/> Primary <input type="checkbox"/> Secondary			
	EXISTING	NEW	
B. Lantern/Optic (Include Color):			F. Lamp Size - <u>Incandescent Only</u> (In Amps):
C. Number of LED Tiers:			G. Effective Intensity (In Candela):
D. LED Intensity Setting:			H. Nominal Range:
E. Light Characteristic (Include Flash Duration (CCT)):			I. Flasher Type/Model:
<b>10. SOUND SIGNAL EQUIPMENT</b>			
A. Operational Range Requirement			B. Signal Equipment Type:
<b>11. RACON</b>		<b>12. AIS</b>	
A. Morse Code:		A. Manufacturer:	
B. System (Model Number):		B. Assigned MMSI:	
<b>13. POWER SUPPLY</b>			
A. Battery (s)	(1) AH Capacity:		B. Solar Panel(s) - Size & Number:
	(2) Manufacturer & Model Number:		C. Special Equipment:
<b>14. BUOY DATA</b>			
A. Water Depth (Include Datum):		D. Buoy Mooring	(1) Material:
B. Bottom Type:			(2) Size & Length:
C. Authorized Buoy Hull:		E. Sinker(s) (Include Number, Size, & Type):	
<b>15. REMARKS (Continue on Page 2 if Necessary)</b>			



## 15. REMARKS (Continued)

### INSTRUCTIONS

**(NOTE: Use this form for all Floating Aids to Navigation and form CG-3213A for all Fixed Aids to Navigation)**

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| <p><b>1.</b> Must be the same as the applicable CG-3213.</p> <p><b>2&amp;3.</b> Enter the aid name as it appears or will appear in the Light List. Enter Light List Number.</p> <p><b>4.</b> Enter the date submitted.</p> <p><b>5.</b> Enter LB, ULB, BBL, or BBU.</p> <ul style="list-style-type: none"> <li>• <b>NOTE:</b> BBL &amp; BBU are rarely used.</li> <li>• <b>NOTE:</b> Use form CG-3213A for buoy to beacon proposals.</li> </ul> <p><b>6.</b> Enter the aid's position to the thousandths of a second. When relocating an aid, enter the new position in this block &amp; document the position change in the remarks block (<u>Item 15</u>) (e.g. from position XX-XX-XX.xxx, YYY-YY-YY.yyy to position XX-XX-XX.xxx, YYY-YY-YY.yyy).</p> <p><b>7.</b> Check the block that applies.</p> <p><b>8.</b> Enter Light Signal Requirements.</p> <p><b>8A.</b> Operational Range is the distance determined by the waterways manager at which a light should be seen for a specified percentage of time (<i>Percent Visibility Requirement</i>) - 80% for all Lighted Buoys.</p> <p><b>8B.</b> Metrological Visibility is a measure of the atmospheric clarity in a particular location.</p> <p><b>8C.</b> Required Effective Intensity is the minimum intensity required to meet the Operational Range Requirement. Values entered in Items 8B &amp; 8C are found in the Visual Design Manual (<i>COMDTINST M16510 (series)</i>), &amp; blocks D4 &amp; D22 respectively, in the Allard's Law Worksheet.</p> | <p><b>9.</b> Consult the most current edition of the Aids to Navigation - Technical Manual (<i>COMDTINST M16500.3 (series)</i>) to accurately complete this section.</p> <p><b>9A.</b> Indicate whether this form is for the primary or secondary light of the buoy by checking the appropriate box.</p> <p><b>9E.</b> Enter the light characteristic and include the flash duration/Contact Closure Time (CCT) (e.g. <i>FL 4 (0.4)</i>).</p> <p><b>9F.</b> Enter "LED" for LED optic.</p> <p><b>10.</b> Enter applicable current and new sound signal equipment information.</p> <p><b>11.</b> Enter applicable RACON Morse Code &amp; System. RACONs are obtained through the SILC Waterways Operations Product Line (WOPL). Contact WOPL for most current ordering procedures. All RACON models shall be System VI or newer.</p> <p><b>12.</b> Enter the applicable AIS manufacturer and assigned MMSI. Leave MMSI blank if no MMSI currently assigned.</p> <p><b>13.</b> Enter applicable current and new Power Supply information.</p> <p><b>14.</b> Enter the applicable buoy information.</p> <p><b>14B-D.</b> Consult the Mooring Selection Guide Software to determine optimal mooring configuration.</p> <p><b>14D.</b> Enter the Authorized Hull. Consult the Aids to Navigation - Technical Manual (<i>COMDTINST M16500.3 (series)</i>).</p> <p><b>14F.</b> Enter any special equipment (e.g. <i>special weather gathering gear, etc.</i>). Continue in the remarks block (<u>Item 15</u>) if needed.</p> |
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