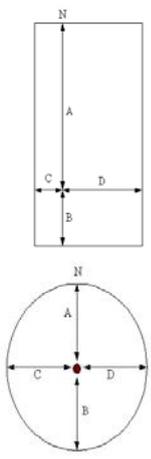


U.S. Coast Guard Automatic Identification System Private Aid to Navigation Station Application*

	Applicant / Owner	Operator (if different)
Contact Name		
Title/Position		
Organization		
Address		
Office Phone		
Mobile Phone		
E-mail		
E-Signature		<p>Submit application to: cgnav@uscg.mil U.S. Coast Guard, Office of Navigation Systems Washington, DC 20593-7418 Tel: 202-372-1563</p>

*Approval is conditional upon authorization by the Federal Communications Commission (FCC) or National Telecommunications Information Agency (NTIA); and, may be revoked at anytime. The applicant/owner/operator shall cease broadcasts immediately if this station(s) is not operating in accordance with the parameters set forth in this application or in IEC 62320-2; and, shall notify cgnav@uscg.mil accordingly.

Attributes of the Physical AIS AtoN Station		
Parameter	Values	Description & Default Values
Make & Model		Provide the make & model of the station.
AIS AtoN Station Type		Denote AIS AtoN station type & whether dual or single channel (see IALA A-126). Default: Type III, dual channel.
Power Source		Denote main & back-up power source (i.e. electric utility, on-site generator, solar panels, rechargeable battery, universal power supply, back-up generator).
Transmit Power		Denote transmit power if defined by manufacturer. Default: 12.5 W
Transmitter Capability		Denote (Type I & II only). Default: Type III
Receiver Availability		Denote receiver on times. Default: Not applicable (N/A).
Type of Electronic Position Fixing Device (EPFS)		0=Undefined (default); 1=GPS; 2=GLONASS; 3=Combined GPS/GLONASS; 4=Loran-C; 5=Chayka; 6=Integrated Navigation System; 7=surveyed; 8=Galileo; 9-14=not used; 15=internal DGNSS. Default=7=Surveyed Position. A surveyed position shall be used for any fixed, synthetic or virtual AtoN; obtained from the USCG Light List or if not listed from the mean position of at least 100 RAIM GPS position reports. The accurate position enhances its function as a radar reference target.
RAIM Capability		Denote whether EPFS RAIM capability. Default=0=RAIM not used.
UTC Synchronization		Denote direct, indirect or semaphore (Types 3). Default: Direct
Assigned Mode Flag		Denote station operating mode: 0=Station operating in autonomous & continuous mode=default; 1=Station operating in assigned mode. Default=0=Autonomous & continuous.
Chaining		If applicable, provide all MMSIs in the chain & the neighboring stations (parent & child) to this station. Default: Not applicable (N/A).
Message 21 content		
Maritime Mobile Service Identity		A Maritime Mobile Service Identity (MMSI) will be provided upon USCG approval.
Name of AtoN		Denote 20 characters AtoN Name; an additional 14 characters may be added by using the 'Extended Name' parameter.
Type of AtoN		Denote the nature & type of AtoN (Codes 0-31, see IALA A-126). Note, not the same as AIS ATON Station Type 1-3. Default=0=Type not specified.
AtoN Status		Denote status indicators available on the AtoN; see IALA A-126. Default=000000=Not specified.
Broadcasted Latitude & Longitude		The latitude & longitude WGS84 position of the station broadcast antenna; expressed in 1/10 000 of a minute of arc (i.e. 31.000001°N, 121.000001°W). * For Virtual or Synthetic ATON broadcast(s), provide position(s), type & name in the Additional Detail section.

Dimension / Reference for Position of Broadcast Antenna		 <p>Default: A=B=C=D=0 [for a Reference Point]</p>
Transmit Antenna Ht.		The height of the broadcast antenna in meters above ground level .
Transmitted messages, Access Mode & Reporting Rate		
Denote the messages to be transmitted, access mode (i.e. RATDMA, FATDMA, CS/SO-TDMA), & reporting rate for each message. A message 21 transmission is required every 3 minutes alternating on AIS1 & AIS2; denote if message 21 reporting rate is different. Message(s) 6, 8, 25 or 26 shall include DAC & FI, Message(s) & not exceed one per minute. Message 12 & 14 shall be pre-formatted text (denote in the 'Additional Details' section below).		
Message# / DAC# / FI# / Access Mode / Reporting Rate / Additional Comments.		
21		
Additional Details & Concept of Operations		
<i>How & who will be configuring, deploying, monitoring, maintaining & using the station, i.e.: (1) standard presentation interface (PI) sentences (i.e. IEC 61162 series); (2) standard AIS AtoN configuration messages; and/or (3) proprietary sentences or binary configuration messages; & whether via the AIS VHF Data-Link (VDL) and/or by other means. Its concept & period of operation, etc.</i>		