



## National Marine Electronics Association

### Approved 0183 Manufacturer's Mnemonic Codes

*Yellow highlights indicate code is reserved for future use*

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3SN	3-S NAVIGATION
AAB	ASM SELECTIVE ADDRESSED MESSAGE (RESERVED FOR FUTURE USE)
AAR	ASIAN AMERICAN RESOURCES
ABB	ASM BROADCAST MESSAGE (RESERVED FOR FUTURE USE)
ACC	ASM COAST STATION CONFIGURATION COMMAND (RESERVED FOR FUTURE USE)
ACE	AUTO-COMM ENGINEERING CORP.
ACR	ACR ELECTRONICS, INC.
ACS	ARCO SOLAR, INC.
ACT	ADVANCED CONTROL TECHNOLOGY
ADM	ASM VHF DATA-LINK MESSAGE (RESERVED FOR FUTURE USE)
ADI	ADITEL
ADN	AD NAVIGATION
ADO	ASM VHF DATA-LINK OWN-VESSEL REPORT (RESERVED FOR FUTURE USE)
AGB	ASM GEOGRAPHICAL MULTICAST MESSAGE (RESERVED FOR FUTURE USE)
AGI	AIRGUIDE INSTRUMENT CO.
AGL	ALERT GROUP LIST (RESERVED FOR FUTURE USE)
AHA	AUTOHELM OF AMERICA
AIP	AIPHONE CORP.
ALD	ALDEN ELECTRONICS, INC.
AMB	AMBARELLA INC
AMC	ALLTEK MARINE ELECTRONICS CORP.
AMI	ADVANCED MARINE INSTRUMENTATION, LTD.
AMK	ASM ADDRESSED AND BROADCAST MESSAGE AKNOWEGMENT (RESERVED FOR FUTURE USE)
AMM	AQUAMETRO MARINE GmbH
AMR	AMR SYSTEMS
AMT	AIRMAR TECHNOLOGY
AND	ANDREW CORPORATION
ANI	AUTONAUTICAL INSTRUMENTAL S.L.

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ANS	ANTENNA SPECIALISTS
ANX	ANALYTYX ELECTRONIC SYSTEMS
ANZ	ANSCHUTZ OF AMERICA
AOB	AEROBYTES LTD
APC	APELCO
APN	AMERICAN PIONEER, INC.
<b>APO</b>	<b>AUTOMATED PROCEDURE OPTIONS (RESERVED FOR FUTURE USE)</b>
APW	AUTOMATIC POWER, INC. / PHAROS MARINE
APX	AMPEREX, INC.
AQC	AQUA-CHEM, INC.
AQD	AQUADYNAMICS, INC.
AQM	AQUA METER INSTRUMENT CO.
ARL	ACTIVE RESEARCH LIMITED
ART	ARLT TECHNOLOGIES GmbH
ARV	ARVENTO MOBILE SYSTEM A.S.
<b>ASG</b>	<b>ASM COAST STATION CONFIGURATION STATUS GENERAL (RESERVED FOR FUTURE USE)</b>
ASH	ASHTECH
<b>ASM</b>	<b>(RESERVED FOR FUTURE USE)</b>
ASP	AMERICAN SOLAR POWER
<b>ASQ</b>	<b>(RESERVED FOR FUTURE USE)</b>
ATC	ADVANCED C TECHNOLOGY, LTD
ATE	AETNA ENGINEERING
ATM	ATLANTIC MARKETING COMPANY
ATR	AIRTRON
ATV	ACTIVATION, INC.
<b>AUC</b>	<b>AUTOMATED PROCEDURE CONTROL (RESERVED FOR FUTURE USE)</b>
<b>AUP</b>	<b>AUTOMATED PROCEDURE QUERY (RESERVED FOR FUTURE USE)</b>
<b>AUS</b>	<b>AUTOMATED PROCEDURE STATUS (RESERVED FOR FUTURE USE)</b>
AVN	ADVANCED NAVIGATION, INC.
AWA	AWA NEW ZEALAND, LTD.
AXN	AXIOM NAVIGATION, INC.
BBG	BBG INCORPORATED
BBL	BBL INDUSTRIES, INC.
BBR	BBR AND ASSOCIATES
BDV	BRISSON DEVELOPMENT, INC.
BEC	BOAT ELECTRIC CO.
BFA	BLUEFLOW AMERICAS
BGG	BODENSEE GRAAVITYMETER GEOSYSTEMS GmbH
BGS	BARRINGER GEOSERVICE
BGT	BROOKES AND GATEHOUSE, INC.
BHE	BH ELECTRONICS
BHR	BAHR TECHNOLOGIES, INC.
BLB	BAY LABORATORIES
BMC	BMC
BME	BARTEL MARINE ELECTRONICS
BMS	BECKER MARINE SYSTEMS
BMT	AVENTICS GmbH (formerly Bosch Rexroth AG Marine Technique)
BNI	NEIL BROWN INST. SYSTEMS
BNS	BOWDITCH NAVIGATION SYSTEMS

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BRM	MEL BARR COMPANY
BRO	BROADGATE, LTD
BRY	BYRD INDUSTRIES
BTH	BENTHOS, INC.
BTK	BALTEK CORP.
BTS	BOAT SENTRY, INC.
BVE	BV ENGINEERING
BXA	BENDIX-AVALEX, INC.
CAI	CAMBRIDGE AERO INSTRUMENTS
CAT	CATEL
CBN	CYBERNET MARINE PRODUCTS
CCA	COPAL CORP OF AMERICA
CCC	COASTEL COMMUNICATIONS CO.
CCL	COASTAL CLIMATE COMPANY
CCM	COASTAL COMMUNICATIONS
CDC	CORDIC COMPANY
CDI	CHETCO DIGITAL INSTRUMENTS
CDL	CDLTD INC
CDS	CENTRAL DIMMING SET (RESERVED FOR FUTURE USE)
CEC	CECO COMMUNICATONS, INC.
CEI	CAMBRIDGE ENGINEERING, INC.
CFS	CARLISLE AND FINCH COMPANY
CHI	CHARLES INDUSTRIES, LTD.
CIN	CANADIAN AUTOMOTIVE INSTRUMENTS
CKM	CINKEL MARINE ELECTRONICS
CLR	COLORLIGHT AB
CMA	SOC. NOUVELLE D'EQUIP. CALVADOS
CMC	COE MANUFACTURING CO.
CME	CUSHMAN ELECTRONICS, INC.
CML	CML MICROSYSTEMS, PLC
CMN	COMNAV MARINE, LTD.
CMP	C-MAP, s.r.l.
CMS	COASTAL MARINE SALES CO.
CMV	COURSEMASTER USA, INC.
CNI	CONTINENTAL INSTRUMENTS
CNS	C.N.S. SYSTEMS AB
CNV	COASTAL NAVIGATOR
CNX	CYNEX MANUFACTURING CO.
CPL	COMPUTROL, INC.
CPN	COMPUNAV
CPS	COLUMBUS POSITIONING, LTD
CPT	CPT, INC.
CRE	CRYSTAL ELECTRONICS, LTD
CRO	THE CARO GROUP
CRY	CRYTEK CRYSTALS CORP.
CSI	COMMUNICATION SYSTEMS INTL
CSM	COMSAT MARITIME SERVICES
CSR	CSR STOCKHOLM
CSS	CNS INC
CST	CAST, INC.

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CSV	COMBINED SERVICES
CTA	CURRENT ALTERNATIVES
CTB	CETEC BENMAR
CTC	CELL-TECH COMMUNICATIONS
CTE	CASTLE ELECTRONICS
CTL	C-TECH, LTD.
CTS	C-TECH SYSTEMS
<b>CUL</b>	<b>CYCLIC PROCEDURE LIST (RESERVED FOR FUTURE USE IN DSC)</b>
CUS	CUSTOMWARE
CWD	CUBIC WESTERN DATA
CWF	HAMILTON JET
CWV	CELWAVE R.F., INC.
<b>CYL</b>	<b>CYCLIC PROCEDURE LIST (RESERVED FOR FUTURE USE)</b>
CYZ	CYZ, INCORPORATED
DAN	DANELEC MARINE A/S
DAS	DASSAULT SERCEL NAVIGATION-POSITIONING
DBM	DEEP BLUE MARINE
DCC	DOLPHIN COMPONENTS CORP.
DEB	DEBEG GMBH
DEC	DECCA DIVISION, LITTON MARINE SYSTEMS, BV
DFI	DEFENDER INDUSTRIES, INC.
DGC	DIGICOURSE, INC.
DGY	DIGITAL YACHT LTD
DGP	DIGPILOT AS
DME	DELORME
DMI	DATAMARINE INTERNATIONAL
DNS	DORNIER SYSTEM GMBH
DNT	DEL NORTE TECHNOLOGY, INC.
DOI	DIGITAL OCEANS INC.
DPC	DATA PANEL CORP
DPS	DANAPLUS, INC.
DRL	R.L.DRAKE COMPANY
DSC	DYNASCAN CORP.
DTN	DYTECHNA, LTD
DYN	DYNAMOTE CORPORATION
DYT	DYTEK LABORATORIES, INC.
EAN	EURO AVIONICS NAVIGATIONSSYSTEME GmbH
EBC	EMERGENCY BEACON CORP.
ECR	ESCORT, INC.
<b>ECI</b>	<b>ENHANCED SELECTIVE CALLING INFORMATION (RESERVED FOR FUTURE USE)</b>
ECT	ECHOTEC, INC.
EDO	EDO CORPORATION ELECTROACOUSTICS DIV.
EEL	ELECTRONICA EUTIMIO S.L.
EEV	EEV, INC.
EFC	EFCOM COMMUNICATION SYSTEMS
EKC	EASTMAN KODAK
ELA	WARTSILA ELAC NAUTIK GmbH (formally L-3 COMMUNICATIONS ELAC NAUTIK GmbH)
ELD	ELECTRONIC DEVICES, INC.
ELM	ELMAN s.r.l

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EMC	ELECTRIC MOTION COMPANY
EMK	E-MARINE CO. LTD , (South Korea)
EMR	EMRI-AS DK
EMS	ELECTRO MARINE SYSTEMS, INC.
ENA	ENERGY ANALYSTS, INC.
ENC	ENCRON, INC.
EPM	EPSCO MARINE
EPS	SEIKO EPSON CORPORATION
EPT	EASTPRINT, INC.
ERC	THE ERICSSON CORPORATION
ERD	eRide, INC.
ESA	EUROPEAN SPACE AGENCY
ESC	ELECTRONICS EMPORIUM, DIVISION OF ESC PRODUCTS
ESY	E-SYSTEMS, ECI DIVISION
FDN	FLUIDDYNE
FEC	FURUNO ELECTRIC CO.
FHE	FISH HAWK ELECTRONICS
FJA	INGENIEURBÜRO DIPL. ING. (FH) FRIEDRICH JANUS
FJN	JON FLUKE CO.
FLA	FLARM TECHNOLOGY GMBH (SWITZERLAND)
FLO	FLOSCAN INCORPORATED
FMM	FIRST MATE MARINE AUTOPILOTS
FMS	FUGRO SEASTAR AS (MARINESTAR)
FNT	FRANKLIN NET AND TWINE, LTD
FRC	THE FREDERICKS COMPANY
<b>FSS</b>	<b>FREQUENCY SELECTION (RESERVED FOR FUTURE USE)</b>
FST	FASTRAX OY
FTG	T.G.FARIA CORPORATION
FTT	FT- TEC
FUG	FUGRO INTERSITE B.V.
FUJ	FUJITSU TEN CORPORATION OF AMERICA
FUR	FURUNO USA, INC.
FWG	FORSCHUNGSBEREICH, WASSERCHALL AND GEOPHYSIK WTD 71
GAM	GRE AMERICA, INC.
GCA	GULF CELLULAR ASSOCIATES
<b>GDC</b>	<b>GNSS DIFFERENTIAL CORRECTION (RESERVED FOR FUTURE USE)</b>
GEC	GEC PLESSEY SEMICONDUCTORS
GES	GEOSTAR CORPORATION
GFC	GRAPHIC CONTROLS, CORP.
GFV	GFV MARINE LTD.
GIL	GILL INSTRUMENTS LIMITED
GIS	GALAX INTEGRATED SYSTEMS
GNV	GEONAV INTERNATIONAL
GPI	GLOBAL POSITIONING INSTRUMENT CORP.
GPP	GEO++ GmbH
GPR	GLOBAL POSITIONING SYSTEM JOINT PROGRAM OFFICE (ROCKWELL COLLINS)
GRF	GRAFINTA (SPAIN)
GRM	GARMIN CORPORATION
GSC	GOLD STAR COMPAPNY, LTD

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GTI GENESIS TECHNOLOGY INTERNATIONAL LTD  
GTO GRO ELECTRONICS  
GVE GUEST CORPORATION  
GVT GREAT VALLEY TECHNOLOGY

HAI HYDRAGRAPHIC ASSOCIATES, LTD  
HAL HAL COMMUNICATIONS CORP.  
HAR HARRIS CORPORATION  
HHS HYDEL HELLAS SKALTSARIS LTD (SHANGHAI)  
HIG HY-GAIN  
HIL PHILIPS NAVIGATION A/S  
HIT HI-TEC  
HMS HYDE MARINE SYSTEMS, INC.  
HOM HOPPE MARINE GmbH  
HPK HEWLETT-PACKARD  
HRM  
HRC HARCO MANUFACTURING CO.  
HRT HART SYSTEMS, INC.  
HTI HEART INTERFACE, INC.  
HUL HULL ELECTRONICS COMPANY  
HWM HONEYWELL MARINE SYSTEMS

IBM IBM MICROELECTRONICS  
ICO ICOM OF AMERICA, INC.  
ICG INITIATIVE COMPUTING USA, INC. INITIATIVE COMPUTING AG  
IDS ICAN MARINE (CANADA)  
IFD INTERNATIONAL FISHING DEVICES  
IFI INSTRUMENTS FOR INDUSTRY  
ILS IDEAL TEKNOLOJI BILISIM COZUMLERI A.S.  
IME IMPERIAL MARINE EQUIPMENT  
IMI INTERNATIONAL MARINE INSTRUMENTS  
IMM ITT MACKAY MARINE  
IMP IMPULSE MANUFACTURING, INC.  
IMR IDEAL TECHNOLOGIES INC  
IMT INTERNATIONAL MARKETING AND TRADING, INC.  
INM INMAR ELECTRONIC AND SALES  
INT INTECH, INC.  
IRT INTERA TECHNOLOGIES, LTD  
IST INNERSPACE TECHNOLOGY, INC.  
ITM INTERMARINE ELECTRONICS, INC.  
ITR ITERA, LTD  
IWW INLAND WATERWAYS (GERMANY)  
IXB IXBLUE  
IXS IXSEA

JAN JAN CRYSTALS  
JAS JASCO RESEARCH LTD.  
JFR RAY JEFFERSON  
JLD JARGOON LIMITED  
JMT JAPAN MARINE TELECOMMUNICATIONS

JPI	J.P. INSTRUMENTS
JRC	JAPAN RADIO COMPANY, LTD
JRI	J-R INDUSTRIES, INC.
JTC	J-TECH ASSOCIATES, INC.
JTR	JOTRON RADIOSEARCH, LTD
KBE	KB ELECTRONICS, LTD
KBM	KENNEBEC MARINE COMPANY
KEL	KNUDSEN ENGINEERING, LTD
KHU	KELVIN HUGHES LTD
KLA	KLEIN ASSOCIATES, INC.
KME	KYUSHU MATSUSHITA ELECTRIC
KML	KONGSBERG MESOTECH LTD
KMO	KONGSBERG MARITIME AS
KMR	KING MARINE RADIO CORP.
KMS	KONGSBERG MARITIME SUBSEA
KNC	KONGSBERG NORCONTROLS
KNG	KING RADIO CORPORATION
KOD	KODEN ELECTRONICS CO., LTD
KRA	EDV KRAJKA
KRP	KRUPP INTERNATIONAL, INC.
KST	KONGSBERG SEATEX AS
KVH	KVH COMPANY
KYI	KYOCERA INTERNATIONAL, INC.
L3A	L3 COMMUNICATIONS RECORDERS DIVISION
LAT	LATITUDE CORPORATION
L3I	L-3 INTERSTATE ELECTRONICS COPORATION
LCI	LASERCRAFT INC.
LEC	LORAIN ELECTRONICS CORP
LEI	LEICA GEOSYSTEMS PTY LTD
LIT	LITTON LASER SYSTEMS
LMM	LAMARCHE MANUFACTURING CO.
LRD	LORAD
LSE	LITTLEMORE SCIENTIFIC ENG.
LSP	LASER PLOT, INC.
LST	LITE SYSTEMS ENGINEERING
LTH	LARS THRANE
LTF	LITTLEFUSE, INC.
LTI	LASER TECHNOLOGY, INC.
LWR	LOWRANCE ELECTRONICS CORP.
MCA	CANADIAN MARCONI COMPANY
MCI	MATSUSHITA COMMUNICATIONS
MCL	MICROLOGIC, INC.
MDL	MEDALLION INSTRUMENTS, INC.
MDS	MARINE DATA SYSTEMS
MEC	MARINE ENGINE CENTER, INC.
MEG	MARITEC ENGINEERING GmbH.
MES	MARINE ELECTRONICS SERV. INC.
MEW	MATSUSHITA ELECTRIC WORKS

MFR	MODERN PRODUCTS, LTD
MFW	FRANK W. MURPHY MFG.
MGN	MAGELLEN SYSTEMS CORP.
MGS	MG ELECTRONIC SALES CORP.
MIE	MIECO, INC.
MIK	MIKROLAB, GmbH
MIR	MIROS AS
MIM	MARCONI INTERNATIONAL MARINE
MLE	MARTHA LAKE ELECTRONICS
MLN	MATLIN COMPANY
MLP	MARLIN PRODUCTS
MLT	MILLER TECHNOLOGIES
MMB	MARSH-MCBIRNEY, INC.
MME	MARKS MARINE ENGINEERING
MMI	MICROWAVE MONOLITHICS
MMM	MADMAN MARINE
MMP	METAL MARINE PILOT, INC.
MMS	MARS MARINE SYSTEMS
MMT	MICRO MODULAR TECHNOLOGIES
MNI	MICRO-NOW INSTRUMENT CO.
MNT	MARINE TECHNOLOGY
MNX	MARINEX
MOT	MOTOROLA COMMUNICATIONS & ELECTRONICS
MPI	MEGAPULSE, INC.
MPN	MEMPHIS NET AND TWINE CO.
MQS	MARQUIS INDUSTRIES, INC.
MRC	MARINECOMP, INC.
MRE	MORAD ELECTRONICS CORP.
MRP	MOORING PRODUCTS OF NEW ENGLAND
MRR	II MORROW, INC.
MRS	MARINE RADIO SERVICE
MSB	mitsubishi electric co., LTD
MSF	MICROSOFT CORPORATION
MSE	MASTER ELECTRONICS
MSM	MASTER MARINER, INC.
MST	MESOTECH SYSTEMS, LTD
MTA	MARINE TECHNICAL ASSOCIATES
MTD	MARITEL DATA SERVICES
MTG	MARINE TECHNICAL ASSISTANCE GROUP
MTI	MOBILE TELESYSTEMS, INC.
MTK	MARTECH, INC.
MTL	MARINE TECHNOLOGIES LLC
MTR	MITRE CORPORATION, THE
MTS	METS, INC.
MUR	MURATA ERIE NORTH AMERICA
MVX	MAGNAVOX ADVANCED PRODUCTS AND SYSTEMS CO.
MXS	MAXSEA INTERNATIONAL
MXX	MAXXIMA MARINE
MYS	MARINE ELECTRONICS CO SOUTH KOREIA
NAG	NORIS AUTOMATION GmbH

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NAT	NAUTECH, LTD
NAU	NAUTICCAST (AKA NAUTICALL)
NAV	NAVTEC, INCORPORATED
NCG	NAVCERT GMBH
NCT	NAVCOM TECHNOLOGY, INC
NEC	NEC CORPORATION
NEF	NEW ENGLAND FISHING GEAR
NGC	NORTHROP GRUMMAN MARITIME SYSTEMS
NGS	NAVIGATION SCIENCES, INC.
NIX	L-3 NAUTRONIX
<b>NLS</b>	<b>NAVIGATION LIGHT STATUS (RESERVED FOR FUTURE USE)</b>
NMR	NEWMAR
NMX	NANOMETRICS
NOM	NAV-COM, INC.
NOR	NORTECH SURVEYS (CANADA)
NOS	NORTHERN SOLUTIONS AS
NOV	NOVATEL COMMUNICATIONS, LTD
NRT	NORTEK GROUP
NSI	NOREGON SYSTEMS INC
NSL	NAVITRON SYSTEMS LTD
NSM	NORTHSTAR MARINE
NTI	NORTHSTAR TECHNOLOGIES, INC.
NTK	NOVATECH DESIGNS, LTD
NTS	NAVTECH SYSTEMS
NUT	NAUTITECH PTY, LTD
NVC	NAVICO
NVG	NVS TECHNOLOGIES AG
NVL	NAVELEC MARINE SYSTEMS S.L.
NVO	NAVIONICS, s.p.a.
NVS	NAVSTAR
NVT	NOVARIANT, INC
NWC	NAVAL WARFARE CENTER
OAR	O.A.R. CORPORATION
OBS	OBSERVATOR INSTRUMENTS
<b>OCC</b>	<b>OCCUPATION CONTROL (RESERVED FOR FUTURE USE)</b>
ODE	OCEAN DATA EQUIPMENT CORP.
ODN	ODIN ELECTRONICS, INC.
OHB	OHB SYSTEMS
OIN	OCEAN INSTRUMENTS, INC.
OKI	OKI ELECTRIC INDUSTRY CO.
OLY	NAVSTAR, LTD (POLYTECHNIC ELECTRONICS)
OMN	OMNETICS
OMT	OMNITECH AS
ONI	OMSKIY NAUCHNO ISSLEDOVATELSKIY INSTITUT PRIBOROSTROENIYA (RUSSIA)
ORB	ORBCOMM
ORE	OCEAN RESEARCH
OSG	OCEAN SIGNAL LTD
OSI	OSI MARITIME SYSTEMS (was OFFSHORE SYSTEMS INTL)
OSL	OSI MARITIME SYSTEMS (was OFFSHORE SYSTEMS, LTD.)
OSS	OCEAN SOLUTION SYSTEMS

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OTK	OCEAN TECHNOLOGY
PCE	PACE
PCM	P SEA MARINE SYSTEMS
PDC	PAN DELTA CONTROLS LTD
PDM	PRODELCO MARINE SYSTEMS
RHM	RH MARINE
PLA	PLATH,C.DIV OF LITTON
PLI	PILOT INSTRUMENTS
PMI	PERNICKA MARINE INSTRUMENTS
PMP	PACIFIC MARINE PRODUCTS
PNI	PNI SENSORS INC
PNL	POINTS NORTH, LTD
POM	POMS ENGINEERING
PPL	PAMARINE PRIVATE LIMITED
PRK	PERKO, INC.
PSM	PEARCE-SIMPSON
PST	POINTSTAR A/S
PTC	PETRO-COM
PTG	P.T.I./GUEST
PTH	PATHCOM, INC.
PVS	PLANEVISION SYSTEMS
QNZ	QINETIQ
QRC	QINETIQ
QWE	QWERTY ELEKTRONIK AB
QZM	QZM
Q2N	QQN NAVIGATION ABS
RAC	RACAL MARINE, INC.
RAE	RCA ASTRO-ELECTRONICS
RAF	ROBINS AIR FORCE (USAF)
RAK	ROCKSON AUTOMATION, KIEL
RAY	RAYTHEON MARINE COMPANY
RCA	RCA SERVICE COMPANY
RCH	ROACH ENGINEERING
RCI	ROCHESTER INSTRUMENTS, INC.
RCQ	QINETIQ
RDC	USCG R&D CENTER
RDI	RADAR DEVICES
RDM	RAY-DAR MANUFACTURING CO.
REC	ROSS ENGINEERING CO.
RFP	ROLFITE PRODUCTS, INC.
RGC	RCA GLOBAL COMMUNICATIONS
RGL	RIEGL LASER MEASUREMENT SYSTEMS
RGY	REGENCY ELECTRONICS, INC.
RHO	RHOTHETA ELEKTRONIK GmbH
RLK	REELEKTRONIKA.NL
RME	RACAL MARINE ELECTRONICS
RMR	RCA MISSILE AND RADAR

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RSL	ROSS LABORATORIES, INC.
RSM	ROBERTSON-SHIPMATE, USA
RTH	PARTHUS
RTN	ROBERTSON TRITECH NYASKAIEN
RWC	ROCKWELL COLLINS
RWI	ROCKWELL INTERNATIONAL
SAA	SATRONIKA SL
SAB	VDE SATELLITE SELECTIVE ADDRESSED BINARY AND SAFETY RELATED MESSAGE (RESERVED FOR FUTURE USE)
SAE	STN ATLAS ELEKTRONIC GmbH
SAF	SAFEMINE
SAI	SAIT, INC.
SAJ	SAJ INSTRUMENT AB
SAM	SAM ELECTRONICS GmbH
SAL	CONSILIUM MARINE AB
SAP	SYSTEMS ENGINEERING & ASSESSMENT, LTD
SAT	SATLOC
SBB	VDE SATELLITE BROADCAST BINARY MESSAGE (RESERVED FOR FUTURE USE)
SBG	SBG SYSTEMS
SBR	SEA-BIRD ELECTRONICS, INC.
SBB	VDE SATELLITE BROADCAST (RESERVED FOR FUTURE USE)
SCC	VDE SATELLITE CONFIGURATION COMMAND (RESERVED FOR FUTURE USE)
SCL	SOKKIA COMPANY, LTD
SCM	SCANDINAVIAN MICROSYSTEMS AS
SCO	SIMOCO TELECOMMUNICATIONS LTD
SCR	SIGNALCRAFTERS, INC.
SDM	VDE SATELLITE VHF DATA-LINK MESSAGE (RESERVED FOR FUTURE USE)
SDN	SAPIEN DESIGN
SDO	VDE SATELLITE VHF DATA-LINK OWN-VESSEL REPORT (RESERVED FOR FUTURE USE)
SEA	SEA, INC.
SEC	SERCEL ELECTRONICS OF CANADA
SEE	SEETRAC AKA GLOBAL MARINE TRACKING
SEL	SELECTION REPORT (RESERVED FOR FUTURE USE)
SEM	SEMTECH LTD
SEP	STEEL AND ENGINE PRODUCTS
SER	SERCEL FRANCE
SFN	SEAFARER NAVIGATION INT'L.
SGB	VDE SATELLITE GEOGRAPHICAL ADDRESSED BINARY AND SAFETY MESSAGE (RESERVED FOR FUTURE USE)
SGC	SGC, INC.
SGN	SIGNAV
SHI	SHINE MICRO
SIG	SIGNET, INC.
SIM	SIMRAD, INC
SKA	SKANTEK CORPORATION
SKP	SKIPPER ELECTRONICS A/S
SLI	STARLINK INCORPORATED
SLM	STEERING LOCATION MODE (RESERVED FOR FUTURE USE)
SMC	SOLIS MARINE CONSULTANTS
SMD	SHIPMODUL CUSTOMWARE

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SME	SHAKESPEARE MARINE ELECTRONICS
SMF	SEATTLE MARINE AND FISHING SUPPLY CO.
SMI	SPERRY MARINE, INC.
<b>SMK</b>	<b>VDE SATELLITE ADDRESSED AND BROADCAST MESSAGE AKNOWEGMENT (RESERVED FOR FUTURE USE)</b>
SML	SIMERL INSTRUMENTS
SMT	SRT-MARINE
<b>SMV</b>	<b>SAFETYNET MESSAGE VESSEL (RESERVED FOR FUTURE USE)</b>
SNP	SCIENCE APPLICATIONS INTERNATIONAL CORP
SNS	SAINSEL
SNV	STARNAV CORPORATION
SNY	SONY CORPORATION – MOBILE ELECTRONICS
SOM	SOUND MARINE ELECTRONICS
SON	SONARDYNE INTERNATIONAL LTD
SOV	SELL OVERSEAS AMERICA
SPL	SPELMAR
SPT	SOUND POWERED TELEPHONE
SRC	STELLAR RESEARCH GROUP
SRD	SRD LABS
<b>SRP</b>	<b>SYSTEM FUNCTION ID RESOLUTION PROTOCOL (RESERVED FOR FUTURE USE)</b>
SRF	SIRF TECHNOLOGY, INC.
SRS	SCIENTIFIC RADIO SYSTEMS, INC.
SRT	STANDARD RADIO AND TELEFON
<b>SRV</b>	<b>(RESERVED FOR FUTURE USE)</b>
SSC	SWEDISH SPACE CORPORATION
<b>SSA</b>	<b>(RESERVED FOR FUTURE USE)</b>
SSD	SAAB AB, SECURITY & DEFENSE SOLUTIONS, COMMAND AND CONTROL SYSTEMS DIVISION
SSE	SEVEN STAR ELECTRONICS
<b>SSG</b>	<b>VDE SATELLITE CONFIGURATION STATUS- GENERAL (RESERVED FOR FUTURE USE)</b>
SSI	SEA SCOUT INDUSTRIES
SSN	SEPTENTRIO
STC	STANDARD COMMUNICATIONS
STI	SEA-TEMP INSTRUMENT CORP.
STK	SEATECHNIK
STL	STREAMLINE TECHNOLOGY, LTD
STM	SI-TEX MARINE ELECTRONICS
STO	STOWE MARINE ELECTRONICS
STT	SAAB TRANSPONDERTECH AB
SVY	SAVOY ELECTRONICS
SWI	SWOFFER MARINE INSTRUMENTS
SWT	SWIFT NAVIGATION, INC
SYE	SAMYUNG ENC CO.,LTD
SYN	SYNERGY SYSTEMS, LLC
<b>TAB</b>	<b>VDE TERRESTRIAL SELECTIVE ADDRESSED BINARY AND SAFETY RELATED MESSAGE (RESERVED FOR FUTURE USE)</b>
TBB	THOMPSON BROTHERS BOAT MFG.
<b>TBG</b>	<b>TAG BLOCK GROUPING STATUS AND COMMAND (RESERVED FOR FUTURE SENTENCE)</b>
<b>TBM</b>	<b>VDE TERRESTRIAL BROADCAST BINARY MESSAGE (RESERVED FOR FUTURE USE)</b>
<b>TCC</b>	<b>VDE TERRESTRIAL CONFIGURATION COMMAND (RESERVED FOR FUTURE USE)</b>

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TCN	TRADE COMMISSION OF NORWAY
TDI	TELEDYNE RD INSTRUMENTS
TDL	TIDELAND SIGNAL
TDM	VDE TERRESTRIAL VHF DATA-LINK MESSAGE (RESERVED FOR FUTURE USE)
TDO	VDE TERRESTRIAL VHF DATA-LINK OWN-VESSEL REPORT (RESERVED FOR FUTURE USE)
TEL	PLESSEY TELLUMAT
TES	THALES ELECTRONIC SYSTEMS, GmbH
TGB	VDE TERRESTRIAL GEOGRAPHICAL ADDRESSED BINARY AND SAFETY MESSAGE (RESERVED FOR FUTURE USE)
THR	THRANE AND THRANE A/A
TKI	TOKYO KEIKI INC
TLS	TELESYSTEMS
TMK	VDE TERRESTRIAL ADDRESSED AND BROADCAST MESSAGE AKNOWEGMENT (RESERVED FOR FUTURE USE)
TMS	TRELLEBORG MARINE SYSTEMS
TMT	TAMTECH, LTD
TNL	TRIMBLE NAVIGATION
TOP	TOPCON POSITIONING SYSTEMS, INC.
TPL	TOTEM PLUS LTD.
TRC	TRACOR, INC.
TRS	TRAVROUTE SOFTWARE
TSG	(RESERVED FOR FUTURE USE)
TSI	TECHSONIC INDUSTRIES, INC.
TSS	TELEDYNE TSS LIMITED
TTK	TALON TECHNOLOGY CORP.
TTS	TRANSTECTOR SYSTEMS
TYC	VINCOTECH (FORMERLY TYCO ELECTRONICS)
TWC	TRANSWORLD COMMUNICATIONS
TWS	TELIT LOCATION SOLUTIONS a division of TELIT WIRELESS SOLUTIONS
TXI	TEXAS INSTRUMENTS, INC.
UBX	U-BLOX AG
UCG	UNITED STATES COAST GUARD
UEL	ULTRA ELECTRONICS LTD
UME	UMEC
UNF	UNIFORCE ELECTRONICS CO.
UNI	UNIDEN CORP. OF AMERICA
UNP	UNIPAS, INC.
URS	URSANAV, INC
VAN	VANNER, INC.
VAR	VARIAN EIMAC ASSOCIATES
VBC	DOCKING SPEED LOG (RESERVED FOR FUTURE USE)
VDB	BERTOLD VANDENBERGH
VCM	VIDEOCOM
VEA	VARD ELECTRO AS
VEC	VECTRON INTERNATIONAL
VEX	VEXILAR
VIS	VESSEL INFORMATION SYSTEMS

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VMR VAST MARKETING CORP  
 VSP VESPER MARINE  
 VXS VERTEX STANDARD  
  
 WAL WALPORT U.S.A.  
 WBE WAMBLEE S.R.L.  
 WBG WESTBERG MANUFACTURING,  
 WBR WESBAR CORPORATION  
 WEC WESTINGHOUSE ELECTRIC CORP.  
 WEI WEIDMUELLER INTERFACE GMBH  
 WCI WI-SYS COMMUNICATIONS  
 WDC WEATHERDOCK CORP  
 WHA W-H AUTOPILOTS  
 WMM WAIT MANUFACTURING AND MARINE SALES CO.  
 WMR WESMAR ELECTRONICS  
 WNG WINEGARD COMPANY  
 WOE WOOSUNG ENGINEERING CO LTD  
 WSE WILSON ELECTRONICS CORP.  
 WST WEST ELECTRONICS LIMITED  
 WTC WATERCOM  
  
 XEL 3XEL SRL  
  
 YAS YAESU ELECTRONICS  
 YDK YOKOGAWA DENSHIKIKI CO. LTD  
 YSH STANDARD HORIZON YAESU  
  
 ZNS ZINNOS