National Marine Electronics Association

Approved 0183 Manufacturer's Mnemonic Codes

Yellow highlights indicate code is reserved by NMEA for future use

June 2026

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)
ACD	ACCORD SOFTWARE & SYSTEMS PVT. LTD.
ACE	AUTO-COMM ENGINEERING CORP.
ACR	ACR ELECTRONICS, INC.
ACP	AUTORIDAD DEL CANAL DE PANAMA
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)
AFS	AUTRONICA FIRE AND SAFETY
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.
AMA	ASM MESSAGE ASSEMBLY SENTENCE
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
AMP	AMPELMANN OPERATIONS BV
AMT	AIRMAR TECHNOLOGY
AND	ANDREW CORPORATION

ANI	AUTONAUTICAL INSTRUMENTAL S.L.
ANS	ANTENNA SPECIALISTS
ANX	ANALYTYX ELECTRONIC SYSTEMS
ANZ	ANSCHUTZ OF AMERICA
AOB	AEROBYTES LTD
APC	APELCO
APN	AMERICAN PIONEER, INC.
APO	AUTOMATED PROCEDURE OPTIONS (RESERVED FOR FUTURE USE)
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 TECHNOLGIES GmbH
ARV	ARVENTO MOBILE SYSTEM A.S.
ASG	ASM COAST STATION CONFIGURATION STATUS GENERAL (RESERVED FOR FUTURE USE)
ASH	ASHTECH
ASM	(RESERVED FOR FUTURE USE)
ASP	AMERICAN SOLAR POWER
ASQ	(RESERVED FOR FUTURE USE)
ATC	ADVANCED C TECHNOLOGY, LTD
ATE	AETNA ENGINEERING
ATM	ATLANTIC MARKETING COMPANY
ATR	AIRTRON
ATV	ACTIVATION, INC.
AUC	AUTOMATED PROCEDURE CONTROL (RESERVED FOR FUTURE USE)
AUP	AUTOMATED PROCEDURE QUERY (RESERVED FOR FUTURE USE)
AUS	AUTOMATED PROCEDURE STATUS (RESERVED FOR FUTURE USE)
AVN	ADVANCED NAVIGATION, INC.
AVK	AVIKUS
AWA	AWA NEW ZEALAND, LTD.
AXN	AXIOM NAVIGATION, INC.
ATO	AOHAI TECHNOLOGY CO., LTD
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

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
CAS	CAIM SCARL
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
CMM	CMC MARINE
CMN	COMNAV MARINE, LTD.
CMP	C-MAP, SRL.
CMS	COASTAL MARINE SALES CO.
CMV	COURSEMASTER USA, INC.
CNF	FUJIAN FEITONG COMMUNICATION TECHNOLOGY CO., LTD
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	CRYSTEK CRYSTALS CORP.
CSI	COMMUNICATION SYSTEMS INTL
CSM	COMSAT MARITIME SERVICES
CSR	CSR STOCKHOLM
CSS	CNS INC
CST	CAST, INC.

CSV	COMBINED SERVICES
CTA	CURRENT ALTERNATIVES
CTB	CETEC BENMAR
CTC	CELL-TECH COMMUNICATIONS
CTE	CASTLE ELECTRONICS
CTL	C-TECH, LTD.
CTP	CATERPILLAR INC
CTS	C-TECH SYSTEMS
CUL	CYCLIC PROCEDURE LIST (RESERVED FOR FUTURE USE IN DSC)
CUS	CUSTOMWARE
CWD	CUBIC WESTERN DATA
CWF	HAMILTON JET
CWV	CELWAVE R.F., INC.
CYL	CYCLIC PROCEDURE LIST (RESERVED FOR FUTURE USE)
CYZ	CYZ, INCORPORATED
DAN	DANELEC MARINE A/S
DAS	DASSAULT SERCEL NAVIGATION-POSITIONING
DBM	DEEP BLUE MARINE
DBE	DENBRIDGE 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
DNP	DANPHONE A/S
DNS	DORNIER SYSTEM GMBH
DNT	DEL NORTE TECHNOLOGY, INC.
DOI	DIGITAL OACEANS INC.
DPC	DATA PANEL CORP
DPS	DANAPLUS, INC.
DRL	R.L.DRAKE COMPANY
DSC	DYNASCAN CORP.
DST	DEEP SEA TECHNOLOGIES
DTN	DYTECHNA, LTD
DTW	DATAWELL BV
DYA	FUZHOU DEYI ELECTRONIC TECHNOLOGY CO.LTD
DYC	DYNACORD
DYN	DYNAMOTE CORPORATION
DYT	DYTEK LABORATORIES, INC.
DWB	DIGITAL WORKBENCH GMBH
EAN	EURO AVIONICS NAVIGATIONSSYSTEME GmbH
EBC	EMERGENCY BEACON CORP.
ECR	ESCORT, INC.
ECI	ENHANCED SELECTIVE CALLING INFORMATION (RESERVED FOR FUTURE USE)
ECT	ECHOTEC, INC.
EDO	EDO CORPORATION ELECTROACOUSTICS DIV.
EEL	ELECTRONICA EUTIMIO S.L.
EEV	EEV, INC.

EEE	EXACTEARTH LIMITED
EFC	EFCOM COMMUNICATION SYSTEMS
EIZ	EIZO CORPORATION
EKC	EASTMAN KODAK
EKM	EKM CO LTD
ELA	WARTSILA ELAC NAUTIK GmbH (formally L-3 COMMUNICATIONS ELAC NAUTIK GmbH)
ELD	ELECTRONIC DEVICES, INC.
ELM	ELMAN s.r.l
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.
EPL	(RESERVED FOR FUTURE USE)
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
EVS	EVVOS S.A.
EVX	EVEX CO., LTD
EWR	ETHERWHERE
EXA	EXAIL
FDC	FDC
FDN	FLUIDDYNE
FEC	FURUNO ELECTRIC CO.
FHE	FISH HAWK ELECTRONICS
FJA	INGENIEURBÜRO DIPL. ING. (FH) FRIEDRICH JANUS
FJN	JON FLUKE CO.
FLA	FLARM TECHNOLGY 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
FSC	FREQUENCY STATUS AND COMMAND (Reserved for future use may replace fss) 20200601
FSS	FREQUENCY SELECTION (RESERVED FOR FUTURE USE)
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
GCF	GEOMETRY FREE COMBINATION

GDC	GNSS DIFFERENTIAL CORRECTION (RESERVED FOR FUTURE USE)
GEC	GEC PLESSEY SEMICONDUCTORS
GEM	GEM ELETTRONICA SRL
GES	GEOSTAR CORPORATION
GFC	GRAPHIC CONTROLS, CORP.
GFV	GFV MARINE LTD.
GIL	GILL INSTRUMENTS LIMITED
GIS	GALAX INTEGRATED SYSTEMS
GMV	GMV INNOVATING SOLUTIONS S.L.
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
GTI	GENESIS TECHNOLOGY INTERNATIONAL LTD
GTO	GRO ELECTRONICS
GVE	GUEST CORPORATION
GVT	GREAT VALLEY TECHNOLOGY
GWA	(61162-460 RESERVED FOR FUTURE USE)
GWR	(61162-460 RESERVED FOR FUTURE USE)
HAI	HYDRAGRAPHIC ASSOCIATES, LTD
HAL	HAL COMMUNICATIONS CORP.
HAR	HARRIS CORPORATION
HGN	HEXAGON
HHS	HYDEL HELLAS SKALTSARIS LTD (SHANGHAI)
HIG	HY-GAIN
HIL	PHILIPS NAVIGATION A/S
HIT	HI-TEC
HKR	PHIDAN ENGINEERING
HMS	HYDE MARINE SYSTEMS, INC.
HOM	HOPPE MARINE GmbH
HPK	HEWLETT-PACKARD
HRM	HEEL ANGLE, ROLL PERIOD AND ROLL AMPLITUDE MEASUREMENTDEVICE REPORT AND COMMAND
HRC	HARCO MANUFACTURING CO.
HRT	HART SYSTEMS, INC.
HTI	HEART INTERFACE, INC.
HTZ	HERTZ SYSTEMS LTD SP.Z O.O
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.
INL	INTELLIAN
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
JMC	JAPAN MARINA CO
JMT	JAPAN MARINE TELECOMMUNICATIONS
JPI	J.P. INSTRUMENTS
JRC	JAPAN RADIO COMPANY, LTD
JRI	J-R INDUSTRIES, INC.
JVD	JAVAD GNSS, 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
KMU	NATIONAL KOREA MARITIME UNIVERSITY
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.
MET	METOCEAN TELEMATICS
MEW	MATSUSHITA ELECTRIC WORKS
MET	METOCEAN TELEMATICS
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.
MRL	MRC INC.
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
MSU MARITIME SOLENT UNIVERSITY
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 KORIEA

NAB NABTESCO CORPORATION
NAG NORIS AUTOMATION GmbH
NAT NAUTECH, LTD
NAU NAUTICCAST (AKA NAUTICALL)
NAV NAVTEC, INCORPORATED
NAS NAVANTIA, S.A., S.M.E
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
NLS NAVIGATION LIGHT STATUS (RESERVED FOR FUTURE USE)
NLT NANJING NINGLU TECHNOLOGY CO,. LTD
NMR NEWMAR
NMX NANOMETRICS
NOM NAV-COM, INC.
NOR NORTECH SURVEYS (CANADA)
NOS NORTHERN SOLUTIONS AS
NOV NOVATEL COMMUNICATIONS, LTD
NRT NORTEK GROUP
NSC NEW SUNRISE CO., LTD
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.

NVM	NAVIOM
NVO	NAVIONICS, s.p.a.
NVS	NAVSTAR
NVT	NOVARIANT, INC
NWC	NAVAL WARFARE CENTER
NWS	NETWAVE SYSTEMS BV
OAR	O.A.R. CORPORATION
OBS	OBSERVATOR INSTRUMENTS
OCC	OCCUPATION CONTROL (RESERVED FOR FUTURE USE)
OCE	MSM OCEAN
OCS	OMAHA COMMUNICATIONSSYSTEMS LLC
ODE	OCEAN DATA EQUIPMENT CORP.
ODN	ODIN ELECTRONICS, INC.
ODS	OMAHA COMMUNICATIONS SYSTEMS LLC
OHB	OHB SYSTEMS
OIN	OCEAN INSTRUMENTS, INC.
OKI	OKI ELECTRIC INDUSTRY CO.
OLY	NAVSTAR, LTD (POLYTECHNIC ELECTRONICS)
OMN	OMNETICS
OMT	OMNITECH AS
ONE	ONENAV
ONI	OMSKIY NAUCHNO ISSLEDOVATELSKIY INSTITUT PRIBOROSTROENIYA (RUSSIA)
ORB	ORBCOMM
ORE	OCEAN RESEARCH
OSG	OOCEAN SIGNAL LTD
OSI	OSI MARITIME SYSTEMS (was OFFSHORE SYSTEMS INTL)
OSL	OSI MARITIME SYSTEMS (was OFFSHORE SYSTEMS, LTD.)
OSS	OCEAN SOLUTION SYSTEMS
OTK	OCEAN TECHNOLOGY
PES	PORT ELECTRIC SOLUTIONS INC
PCE	PACE
PCM	P SEA MARINE SYSTEMS
PDC	PAN DELTA CONTROLS LTD
PDM	PRODELCO MARINE SYSTEMS
PGF	PG FLOW SOLUTIONS AS
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

QNQ QINETIQ
QRC QINETIQ
QTM QUECTEL WIRELESS SOLUTIONS
QWE QWERTY ELEKTRONIK AB
QZM (RESERVED FOR FUTURE USE)
QZSS (RESERVED FOR FUTURE USE)
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
RSL ROSS LABORATORIES, INC.
RSM ROBERTSON-SHIPMATE, USA
RTH PARTHUS
RTN ROBERTSON TRITECH NYASKAIEN
RWC ROCKWELL COLLINS
RWI ROCKWELL INTERNATIONAL

S3S SEA3 SYSTEMS LLC
SAA SATRONIKA SL
SAB VDE SATELLITE SELECTIVE ADDRESSED BINARY AND SAFETY RELATED MESSAGE (RESERVED FOR FUTURE USE)
SAG SAILORMADE Ltda
SAE STN ATLAS ELEKTRONIC GmbH
SAF SAFEMINE
SAI SAIT, INC.
SAJ SAJ INSTRUMENT AB
SAM SAM ELECTRONICS GmbH
SAL SAL NAVIGATION AB
SAP SYSTEMS ENGINEERING & ASSESSMENT, LTD
SAS SAMSUNG HEAVY INDUSTRIES CO, 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
SME	SHAKESPEARE MARINE ELECTRONICS
SMF	SEATTLE MARINE AND FISHING SUPPLY CO.
SMI	SPERRY MARINE, INC.
SMK	VDE SATELLITE ADDRESSED AND BROADCAST MESSAGE AKNOWEGMENT (RESERVED FOR FUTURE USE)
SML	SIMERL INSTRUMENTS
SMT	SRT-MARINE
SMV	SAFETYNET MESSAGE VESSEL (RESERVED FOR FUTURE USE)
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
SRP	SYSTEM FUNCTION ID RESOLUTION PROTOCOL (RESERVED FOR FUTURE USE)
SRF	SIRF TECHNOLOGY, INC.
SRS	SCIENTIFIC RADIO SYSTEMS, INC.
SRT	STANDARD RADIO AND TELEFON
SRV	(RESERVED FOR FUTURE USE)
SSC	SWEDISH SPACE CORPORATION

SSA	(RESERVED FOR FUTURE USE)
SSD	SAAB AB, SECURITY & DEFENSE SOLUTIONS, COMMAND AND CONTROL SYSTEMS DIVISION
SSE	SEVEN STAR ELECTRONICS
SSG	VDE SATELLITE CONFIGURATION STATUS- GENERAL (RESERVED FOR FUTURE USE)
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
SUK	VDE SATELITE MESSAGE SENTENCE ACKNOWLEDGE MESSAGE
SUM	VDE SATILLITE UPLINK
SVY	SAVOY ELECTRONICS
SWI	SWOFFER MARINE INSTRUMENTS
SWT	SWIFT NAVIGATION, INC
SYE	SAMYUNG ENC CO.,LTD
SYN	SYNERGY SYSTEMS, LLC
TAB	VDE TERRESTRIAL SELECTIVE ADDRESSED BINARY AND SAFETY RELATED MESSAGE (RESERVED FOR FUTURE USE)
TBB	THOMPSON BROTHERS BOAT MFG.
TDB	TERRESTRIAL BINARY DATA
TBG	TAG BLOCK GROUPING STATUS AND COMMAND (RESERVED FOR FUTURE SENTENCE)
TBM	VDE TERRESTRIAL BROADCAST BINARY MESSAGE (RESERVED FOR FUTURE USE)
TCC	VDE TERRESTRIAL CONFIGURATION COMMAND (RESERVED FOR FUTURE USE)
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 (RESREVED FOR FUTURE USE)
TME	TME SOLUTIONS CO LTD
THL	TECHNOLEADER SRL
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
UIT	UNICTRON TECHNOLOGIES CORP
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
VOI	VOITH GROUP
VIS	VESSEL INFORMATION SYSTEMS
VIT	VITAL BATTERY
VMR	VAST MARKETING CORP
VNT	VECTORNAV TECHNOLOGIES
VSP	VESPER MARINE
VXS	VERTEX STANDARD
WAI	WAIV TECHNOLOGIES
WAL	WALPORT U.S.A.
WBE	WAMBLEE S.R.L.
WBG	WESTBERG MANUFACTURING,
WBR	WESBAR CORPORATION
WEC	WESTINGHOUSE ELECTRIC CORP.
WEI	WEIDMUELLER INTERFACE GMBH
WEG	WEGMATT LLC
WCI	WI-SYS COMMUNICATIONS
WDC	WEATHERDOCK CORP
WGT	WILLGOOD TECHNOLOGY OGMBH
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
XIN XINUO INFORMATION TECHNOLOGY (XIAMEN) CORPORATION LIMITED

YAS YAESU ELECTRONICS
YDK YOKOGAWA DENSHIKIKI CO. LTD
YSP FUJIAN YSP ELECTRONIC TECHNOLOGY CO.,LTD
YSH STANDARD HORIZON YAESU

ZNS ZINNOS