

**National Marine Electronics Association
Approved 0183 Manufacturer's Mnemonic Codes**

March 7, 2019

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
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.
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 TECHNOLOGIES GmbH
ARV ARVENTO MOBILE SYSTEM A.S.
ASH ASHTECH
ASP AMERICAN SOLAR POWER

New NMEA 0183 Manufacturer's Mnemonic Codes can only be issued and must be approved by NMEA. This list is for informational purposes only.

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.
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
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

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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 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.
 CTS C-TECH SYSTEMS
CUL CYCLIC PROCEDURE LIST – (RESERVED FOR FUTURE USE IN DSC)
 CUS CUSTOMWARE
 CWD CUBIC WESTERN DATA
 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
 DCC DOLPHIN COMPONENTS CORP.
 DEB DEBEG GMBH

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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.
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.
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
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 COMPANY JAPAN
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
FJN	JON FLUKE CO.

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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
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
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
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

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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

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

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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

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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.
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
NAG	NORIS AUTOMATION GmbH
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
NLS	NAVIGATION LIGHT STATUS (RESERVED FOR FUTURE USE)
NMR	NEWMAR
NMX	NANOMETRICS
NOM	NAV-COM, INC.
NOR	NORTECH SURVEYS (CANADA)
NOS	NORTHERN SOLUTIONS AS
NOV	NOVATEL COMMUNICATIONS, LTD
NSI	NOREGON SYSTEMS INC
NSL	NAVITRON SYSTEMS LTD
NSM	NORTHSTAR MARINE
NTI	NORTHSTAR TECHNOLOGIES, INC.
NTK	NOVATECH DESIGNS, LTD

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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
OCC	OCCUPATION CONTROL (RESERVED FOR FUTURE USE)
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	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
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

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QNQ	QINETIQ
QRC	QINETIQ
QWE	QWERTY ELEKTRONIK AB
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
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 ELEKTRONIK 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.
SCL	SOKKIA COMPANY, LTD

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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
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 USED
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
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

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SSC	SWEDISH SPACE CORPORATION
SSA	RESERVED FOR FUTURE USE
SSD	SAAB AB, SECURITY & DEFENSE SOLUTIONS, COMMAND AND CONTROL SYSTEMS DIVISION
SSE	SEVEN STAR ELECTRONICS
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
TAB	VDE TERRESTRIAL SELECTIVE ADDRESSED BINARY AND SAFETY RELATED MESSAGE RESERVED FOR FUTURE
TBB	THOMPSON BROTHERS BOAT MFG.
TBM	VDE TERRESTRIAL BROADCAST BINARY MESSAGE 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
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

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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)
VCM	VIDEOCOM
VEA	VARD ELECTRO AS
VEC	VECTRON INTERNATIONAL
VEX	VEXILAR
VIS	VESSEL INFORMATION SYSTEMS
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.
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

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