

# Acronyms and Abbreviations

|        |   |
|--------|---|
| ADEOS  | Advanced Earth Observing Satellite                    |
| ADIZ   | Air Defence Identification Zone                       |
| AESA   | active electronically scanned array                   |
| AGI    | Auxiliary General Intelligence ship                   |
| ASW    | anti-submarine warfare                                |
| BIC    | Basic Intelligence Center                             |
| CAFS   | Chinese Academy of Fisheries Sciences                 |
| CDAА   | circularly disposed antenna array                     |
| COMINT | communications intelligence                           |
| COTS   | commercial off-the-shelf                              |
| DF     | direction-finding                                     |
| DIFAR  | directional acoustic frequency analysis and recording |
| DIH    | Defense Intelligence Headquarters                     |
| DGPS   | Differential Global Positioning System                |
| DPS    | dynamic positioning system                            |
| DSCS   | US Defense Satellite Communications System            |
| ECM    | electronic countermeasures                            |
| ECCM   | electronic counter-countermeasures                    |
| EEZ    | exclusive economic zone                               |
| EIC    | Electronic Intelligence Center                        |
| ELINT  | electronic intelligence                               |
| EOSU   | Electronic Operations Support Unit                    |
| ESM    | electronic support measures                           |
| EW     | electronic warfare                                    |
| FBG    | Fibre Bragg Gratings                                  |
| FIC    | Fleet Intelligence Center/Command                     |
| FLIR   | forward-looking infra-red                             |
| FOSIC  | US Fleet Ocean Surveillance Information Center        |
| FOSIF  | US Fleet Ocean Surveillance Information Facility      |
| FY     | fiscal year   |
| GMDSS  | Global Maritime Distress and Safety System            |
| HF     | high frequency (3–30 megahertz)                       |
| HF DF  | high frequency direction finding                      |
| HQ     | headquarters  |

|           |   |
|-----------|---|
| ICE       | improved collection equipment                     |
| IJN       | Imperial Japanese Navy                            |
| IOD       | Information Operations Directorate                |
| IRSS      | infra-red suppression system                      |
| J-AOS     | Japanese Auxiliary Oceanographic System           |
| JASDF     | Japanese Air Self-Defense Force                   |
| JASREP    | Japanese Ship Reporting System                    |
| JCG       | Japan Coast Guard                                 |
| JDA       | Japan Defense Agency                              |
| JGSDF     | Japanese Ground Self-defense Force                |
| JICPAC    | US Joint Intelligence Center – Pacific            |
| JMSDF     | Japanese Maritime Self-Defense Force              |
| JODC      | Japan Oceanographic Data Center                   |
| JOED      | JMSDF OSIS Evolutionary Development               |
| JOSIS     | JMSDF Ocean Surveillance Information System       |
| JSDF      | Japanese Self-Defense Force                       |
| LFA       | low-frequency active                              |
| LPA       | log-periodic array                                |
| LRMP      | long-range maritime patrol                        |
| MAD       | magnetic anomaly detection                        |
| MoD       | Ministry of Defense                               |
| MESSR     | Multispectral Electronic Self-Scanning Radiometer |
| MOS       | Marine Observation Satellite                      |
| MSA       | Maritime Safety Agency                            |
| MSO       | Maritime Staff Office                             |
| MSR       | Microwave Scanning Radiometer                     |
| MTDP      | Mid-Term Defense Program                          |
| NETWARCOM | Naval Network Warfare Command                     |
| NCGA      | Taiwanese National Coast Guard Administration     |
| NIOC      | Navy Information Operations Command               |
| NIOD      | Navy Information Operations Detachment            |
| NOSIC     | US Naval Ocean Surveillance Information Center    |
| NOSS      | US Naval Ocean Surveillance System                |
| NSGA      | US Naval Security Group Activity                  |
| OBU       | OSIS Baseline Upgrade                             |
| OED       | OBU Evolutionary Development                      |
| OIC       | Operational Intelligence Center                   |

|         |  |
|---------|--|
| OSIS    | Ocean Surveillance Information System              |
| PLA     | People’s Liberation Army                           |
| PLAN    | People’s Liberation Army Navy                      |
| PSI     | Proliferation Security Initiative                  |
| RDA     | reduced diameter array                             |
| ROV     | remotely operated vehicle                          |
| Satcom  | satellite communications                           |
| SHF     | super high frequency (3–30 gigahertz)              |
| SIGINT  | signals intelligence                               |
| SLOC    | sea-lines of communication                         |
| SOSUS   | sound surveillance system                          |
| SSBL    | super-short-base-line                              |
| SSN     | nuclear-powered attack submarine                   |
| SST     | sea surface temperature                            |
| SURTASS | Surveillance Towed Array Sensor System             |
| TRDI    | Technical Research and Development Institute       |
| UAV     | unmanned aerial vehicle                            |
| UHF     | ultra high frequency (300 megahertz – 3 gigahertz) |
| US      | United States                                      |
| USAF    | US Air Force                                       |
| USPACOM | US Pacific Command                                 |
| VHF     | very high frequency (30–300 megahertz)             |
| VTIR    | Visible and Thermal Infra-red Radiometer           |

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