

ANNEX F – LIST OF REFERENCES

REF NO	REFERENCE DOCUMENT	REF CODE	DOCUMENT
AQAP 2105	NATO Requirements for Deliverable Quality Plans		SOW
AQAP 2110	NATO Quality Assurance Requirements for Design, Development and Production		SOW
AQAP 2210	NATO Supplementary Software Quality Assurance Requirements to AQAP-2110 or AQAP-2310		SOW
AQAP 2070	NATO Mutual Government Quality Assurance (GQA)		SOW
ACMP-2100	Core Set of Configuration Management Contractual Requirements		SOW
NATO ARAMP-1	NATO Risk Management Guide for Acquisition Programme		SOW
IEEE 15288.2	Systems and software engineering--System life cycle processes		SOW
ACodP-3	NATO Item Name Directory		SOW
OSHA	Occupational Safety and Health Administration		Annex E
STANAG 2019	APP-6 NATO Joint Military Symbology		Annex E
STANAG 5511	Tactical Data Exchange - Link 11/11B - ATDLP-5.11 Edition A		Annex E
STANAG 5516	Tactical Data Exchange - LINK 16 - ATDLP-5.16 Edition		Annex E
STANAG 5522	Tactical Data Link – LINK 22 - ATDLP-5.22 EDITION B		Annex E
STANAG 5616	Standards For Data Forwarding Between Tactical Data Systems - ATDLP-6.16 Edition B		Annex E
120/DE-401/881629	Arrangement of antennas		Annex E
AC/35-D/1019-REV1	NATO Guideline for the Security Evaluation and Certification of Communication and Information Systems (CIS)		Appendix A
AC/35-D/1021-REV3	NATO Guideline for the Security Accreditation of Communication and Information Systems (CIS)		Appendix A
-	General Design and Material Requirements		Appendix A
---	Building Specification Frigate for Portuguese Navy Meko 200		Appendix A Appendix F
1200/MA – 802/19901842	Portuguese Navy Meko 200 Chilled Water Plant Maintenance 1		Appendix A
1200/MA – 802/19901851	Portuguese Navy Meko 200 Chilled Water Plant Maintenance 2		Appendix A
1200/MA-060/19861081	Outline Specification		Appendix A
120/MA-321/901908	Cable Plant		Appendix A
120_DE_514_891725	Portuguese Navy Meko 200 Chilled Water Plant Circuit Diagram		Appendix A
120/DE321/88	Fitting Instructions for Cable Installation		Appendix A
120/DE-510/881582	Air Quantity and Balance Plan		Appendix A
1200/DE – 631/19891770			Appendix A

NATO UNCLASSIFIED

REF NO	REFERENCE DOCUMENT	REF CODE	DOCUMENT
MIL-S-901D	Military Specification: Shock Tests. High-Impact Shipboard Machinery, Equipment, and Systems, Requirements		Appendix A
MIL-HDBK-454	Guidelines for EWIS components		Appendix A
IACS Unified Requirements P1	International Association of Classification Societies – Unified Requirements P1 – Rules for pipes		Appendix A
EU Directive 2011/65/EU	Restriction on the use of certain hazardous substances in electrical and electronic equipment		Appendix A
IEC 60092	Electrical installations in ships –Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables		Appendix A
IEC60228	Conductors of insulated cables		Appendix A
IEC60331	Tests for electric cables under fire conditions		Appendix A
IEC 60332	Flamability tests for electrical cables		Appendix A
IEC60533	Electrical and electronic installations in ships - Electromagnetic compatibility (EMC) - Ships with a metallic hull		Appendix A
IEC 60533	International Electrotechnical Commission – Electrical and electronic installations in ships – Electromagnetic compatibility (EMC) - Ships with a metallic hull		Appendix A
IEC 60945	International Electrotechnical Commission – Maritime navigation and radio communication equipment and systems - General requirements - Methods of testing and required test results		Appendix A
IEC 61000	International Electrotechnical Commission – Electromagnetic Compatibility		Appendix A
ISO 1461	International Organization for Standardization – Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods		Appendix A
IMO SOLAS	International Maritime Organization (IMO) – Safety of Life at Sea convention (SOLAS)		Appendix A
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories		Appendix A
MIL-STD-899B	Dissimilar Metals		Appendix A
STANAG 4293	NATO – STANDARD – Guidelines for the Acoustical Environment in NATO Surface Ships		Appendix A
IACS Rec 132	International Association of Classification Societies – Human Element Recommendations for structural design of lighting, ventilation, vibration, noise, access and egress arrangements		Appendix B
ISO 2923	International Organization for Standardization – Acoustics — Measurement of noise on board vessels		Appendix B
IMO MARPOL	International Maritime Organization (IMO) – International Convention for the prevention of Pollution (MARPOL)		Appendix B

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IMO MSC 137(76)	International Maritime Organization (IMO) – Standards for Ship Maneuverability		Appendix B
ISO 8861	International Organization for Standardization – Shipbuilding — Engine-room ventilation in diesel-engined ships — Design requirements and basis of calculations		Appendix B
IEC 60068-2-27	International Electrotechnical Commission – Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock		Appendix B
ISO 7547	International Organization for Standardization – Ships and marine technology - Air-conditioning and ventilation of accommodation spaces - Design conditions and basis of calculations		Appendix B
ISO 19840	International Organization for Standardization – Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Measurement of, and acceptance criteria for, the thickness of dry films on rough surfaces		Appendix B
ISO 20283-5	International Organization for Standardization – Mechanical vibration — Measurement of vibration on ships — Part 5: Guidelines for measurement, evaluation and reporting of vibration with regard to habitability on passenger and merchant ships		Appendix B
OPV 01	OPV Design – Structural Details Drawing		Appendix B
OPV 02	OPV Design – Welding table		Appendix B
OPV 03	OPV Design – Details of structural reinforcements of auxiliary systems (piping and cabling) penetrations drawing		Appendix B
OPV 04	OPV Design – Details of structural components passageways and penetration elements for auxiliary systems		Appendix B
OPV 05	OPV Design – Fixation of auxiliary systems details drawing		Appendix B
OPV 06	OPV Design – Pipes fabrication details and standard accessories drawing		Appendix B
OPV 07	OPV Design – Pipes insulation details and standard insulation materials drawing		Appendix B
OPV 08	OPV Design – Pavements types, location and installation details drawing		Appendix B
OPV 09	OPV Design – Bulkheads and ceiling insulation types, location and installation details drawing		Appendix B
OPV 10	OPV Design – Panels and decorative ceilings types, location and installation details drawing		Appendix B
OPV 11	OPV Design – Furniture materials, shape and installation details drawing		Appendix B
OPV 12	OPV Design – Decorating Plan		Appendix B
IEC 61363	International Electrotechnical Commission – Electrical installations of ships and mobile and fixed offshore units - Part 1: Procedures for		Appendix B

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	calculating short-circuit currents in three-phase a.c.		
AECP - 2	NATO – Naval Radio and Radar Radiation Hazards Manual		Appendix A Appendix B
AEP – 59	NATO – Allied Engineering Publications – Application Process for Optimum Paint and Coatings Systems' Performance		Appendix A Appendix B
AEP – 60	NATO – Allied Engineering Publications – Performance Requirements for Exterior Topsides Coatings		Appendix A Appendix B
AEP – 61	NATO – Allied Engineering Publications – Performance Requirements for Underwater Hull Paint Systems		Appendix A Appendix B
ANEP – 24	NATO – Allied Engineering Publications – Guidelines for Ship Board Habitability		Appendix A Appendix B
ANEP – 26	NATO – Allied Engineering Publications – Ergonomic data for Shipboard Space Design in NATO Surface Ships		Appendix A Appendix B
ANEP - 77	NATO - Allied Engineering Publications – Naval Ship Code		Appendix A Appendix E
ANEP – 100	NATO – Allied Engineering Publications – Characteristics of shipboard 440V/230V/115V 60Hz; 440V/115V 400Hz and 24/28Vdc Electrical Power Systems in warships of the NATO navies		Appendix A Appendix B
DIN 89280	Deutsches Institut für Normung – Glands for electrical cables and wires		Appendix A Appendix B
EU Directive 2006/42/EC	Directive 2006/42/EC of the European Parliament and of the Council – New Machinery Directive		Appendix A Appendix B
IACS Rec 47	International Association of Classification Societies – Shipbuilding and Repair Quality Standard		Appendix A Appendix B
IACS Requirements P2	Unified International Association of Classification Societies – Unified Requirements P2 – Rules for piping design, construction and testing		Appendix A Appendix B
IACS URW	International Association of Classification Societies – Unified Requirements concerning Materials and Welding		Appendix A Appendix B
IEC 60529	International Electrotechnical Commission - Degrees of Protection Provided by Enclosures (IP code)		Appendix A Appendix B
IEC 60034-5	International Electrotechnical Commission – Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code)		Appendix A Appendix B
IEC 61340-5	International Electrotechnical Commission – Protection of electronic devices from electrostatic phenomena		Appendix A Appendix B
IEC 61800-3	International Electrotechnical Commission – Adjustable speed electrical power drive systems -		Appendix A Appendix B

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	Part 3: EMC requirements and specific test methods for PDS and machine tools		
IEC 62040-2	International Electrotechnical Commission – Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility requirements		Appendix A Appendix B
IEEE 45	Institute of Electrical and Electronics Engineers – Recommended Practice for Electric Installations on Shipboard		Appendix A Appendix B
EN 55015	European Committee for Standardization (CEN) – Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment		Appendix A Appendix B
IMO MSC 307(88)	International Maritime Organization (IMO) – Fire test Procedure (FTP) code		Appendix A Appendix B
IMO MSC A 1116(30)	International Maritime Organization (IMO) – Escape Route Signs and Equipment Location Markings		Appendix A Appendix B
ISO 3864	International Organization for Standardization – Graphical symbols — Safety colours and safety signs		Appendix A Appendix B
ISO 8501-1	International Organization for Standardization – Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings;		Appendix A Appendix B
ISO 8501-3	International Organization for Standardization – Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 3: Preparation grades of welds, edges and other areas with surface imperfections;		Appendix A Appendix B
ISO 12944	International Organization for Standardization – Corrosion protection of steel structures by protective paint systems		Appendix A Appendix B
ISO 14713-2	International Organization for Standardization – Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 2: Hot dip galvanizing		Appendix A Appendix B
MIL-STD-461	Military Standard – Electromagnetic Interference Characteristics Requirements for Equipment		Appendix A Appendix B
MIL-STD-464	Military Standard – Electromagnetic Environmental Effects, Requirements for Systems		Appendix A Appendix B
STANAG 1008	NATO – STANDARD – Characteristics of Shipboard 440V/230V/115V 60Hz, 440V/ 115V 400Hz and 24/ 28Vdc Electrical Power Systems in Warships of The NATO Navies		Appendix A Appendix B

REF NO	REFERENCE DOCUMENT	REF CODE	DOCUMENT
UL 94	Underwriters Laboratories – Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing		Appendix A Appendix B
ITDINAV 802(A)	Portuguese Ships Directorate – Stability Criteria for The Portuguese Navy Naval Units and Fleet Auxiliary Units (in Portuguese)		Annex E Appendix A Appendix B
STANAG 4347	Definition Of Nominal Static Range Performance For Thermal Imaging Systems		Appendix D
STANAG 4348	Definition of nominal static performance for image intensifier systems		Appendix D
STANAG 4349	NATO Standardization Agreement: Measurement Of The Minimum Resolvable Temperature Difference Of Thermal Cameras		Appendix D
STANAG 4350	Calculation of Minimum Resolvable Temperature Difference (MRTD) for Thermal Imaging Systems		Appendix D
STANAG 4451	Protection Against Fixed Wavelength (Battlefield) Dazzling Lasers		Appendix D
STANAG 3733 Ed. 2 (2005)	Laser Pulse Repetition Frequencies (PRF) Used For Target Designation And Weapon Guidance		Appendix D
STANAG 4193	Technical Characteristics Of The IFF Mk XIIA System		Appendix D
NATO ANEP-77 PART1 Ed G V3	Naval Ship Code: Goals, Functional Objectives and Performance Requirements.	Ref H	Appendix E
NATO ANEP-77 PART2 Ed G V4	Naval Ship Code: Solutions	Ref I	Appendix E
NATO ANEP-77 PART3 Ed G V4	Naval Ship Code: Justification & Guidance	Ref J	Appendix E
STANAG 4621 Ed: 2	Navigation Warfare Definition - ANP-4621 EDITION A	Ref K	Appendix E
IMO Resolution A.424(XI)	Performance Standards for Gyro Compasses	Ref L	Appendix E
ISO 2412:1982	Shipbuilding — Colours of indicator lights	Ref M	Appendix E
ISO 8728:2014	Ships and marine technology — Marine gyro-compasses	Ref N	Appendix E
ISO 9875:2000/Cor 1:2006	Ships and marine technology — Marine echo-sounding equipment — Technical Corrigendum 1	Ref O	Appendix E
ISO 10596:2009	Ships and marine technology — Marine wind vane and anemometers	Ref P	Appendix E
ISO 11674:2019	Ships and marine technology — Heading control systems	Ref Q	Appendix E
ISO 16425:2013	Ships and marine technology — Guidelines for the installation of ship communication networks for shipboard equipment and systems	Ref R	Appendix E
ISO 19697:2016	Ships and marine technology — Navigation and ship operations — Electronic inclinometers	Ref S	Appendix E
ISO 20672:2022	Ships and marine technology — Rate of turn indicators	Ref T	Appendix E
ISO 20673:2022	Ships and marine technology — Electric rudder angle indicators	Ref U	Appendix E

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ISO 25862:2019	Ships and marine technology — Marine magnetic compasses, binnacles and azimuth reading devices	Ref V	Appendix E
ISO 22555:2022	Ships and marine technology — Propeller pitch indicators	Ref W	Appendix E
ISO 22090-1:2014	Ships and marine technology — Transmitting heading devices (THDs) — Part 1: Gyro-compasses	Ref X	Appendix E
ISO 22090-3:2014	Ships and marine technology — Transmitting heading devices (THDs) — Part 3: GNSS principles	Ref Y	Appendix E
IEC 61023:2007	Maritime navigation and radiocommunication equipment and systems - Marine speed and distance measuring equipment (SDME) - Performance requirements, methods of testing and required test results	Ref Z	Appendix E
IEC 61108-1:2003	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 1: Global positioning system (GPS) - Receiver equipment - Performance standards, methods of testing and required test results	Ref AA	Appendix E
IEC 61108-2:1998	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 2: Global navigation satellite system (GLONASS) - Receiver equipment - Performance standards, methods of testing and required test results	Ref BB	Appendix E
IEC 61108-3:2010	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 3: Galileo receiver equipment - Performance requirements, methods of testing and required test results	Ref CC	Appendix E
IEC 61108-4:2004	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 4: Shipborne DGPS and DGLONASS maritime radio beacon receiver equipment - Performance requirements, methods of testing and required test results	Ref DD	Appendix E
IEC 61108-5:2020	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 5: BeiDou navigation satellite system (BDS) - Receiver equipment - Performance requirements, methods of testing and required test results	Ref EE	Appendix E
IEC 61162-1:2016	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners	Ref FF	Appendix E
IEC 61162-2:1998	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part	Ref GG	Appendix E

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	2: Single talker and multiple listeners, high-speed transmission		
IEC 61162-3:2014	Maritime navigation and radiocommunication equipment and systems -Digital interfaces - Part 3: Serial data instrument network	Ref HH	Appendix E
IEC 61162-450:2018	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection	Ref II	Appendix E
IEC 61162-460:2020	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security	Ref JJ	Appendix E
IEC 61924-2:2021	Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems (INS) - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results	Ref KK	Appendix E
IEC 60945::2008	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	Ref MM	Appendix E
NATO STANAG 4564 Edition 3 (2017)	Warship Electronic Chart Display and Information Systems		Appendix E
STANAG 7170	Additional Military Layers (AML) – Digital Geospatial Data Products		Appendix E
MIL-STD-1388-1A	Logistic Support Analysis		Appendix G
MIL-STD-1388-2B	Logistic Support Analysis Record		Appendix G
ASD S3000L	International procedure specification for Logistics Support Analysis (LSA)		Appendix G
AR 700-82	Joint Regulation Governing the Use and Application of Uniform Source Maintenance and Recoverability Codes		Appendix G
ASD S1000D	International specification for technical publications using a common source database		Appendix G
STANAG 4280	NATO Packaging and Preservation		Appendix G
MIL-STD-1369	Integrated Logistics Support Program Requirements		Appendix G
MIL-STD-785B	Reliability Program for Systems and Equipment Development and Production		Appendix G
MIL-STD-470B	Maintainability Program for Systems and Equipment		Appendix G
MIL-STD-756B	Reliability Modelling and Prediction		Appendix G
STANAG 4329	NATO Standard Bar Code Handbook		Appendix G
STANAG 4281	NATO Standard Marking for Shipment and Storage		Appendix G
ACodP-1	NATO Manual on Codification		Appendix G
STANAG 6001 ATrainP-5	Language Proficiency Levels		Appendix G
MIL-STD-1472	Design Criteria Standard. Human Engineering		Appendix G