This Appendix I with the Supplier Quality Assurance Requirements for the KDA-Oman Shelter Systems program defines Fokker Aerostructures (Buyer) additional Program Specific Quality Requirements and forms an integral part of the Purchase Order (PO) concluded between Supplier and Buyer.

The contents of this Appendix I is in addition to or replacing one or more for the standard Fokker Quality Requirements as provided in Annex B “Supplier Quality Assurance Requirements (standard)”.
All terms defined in the Purchase Order shall be applicable to this Appendix I, unless explicitly defined otherwise in this Appendix I.

Supplier shall have systems and methods to assure full compliance to this Appendix I. When products or services applicable to the PO are procured by the Supplier from sub-tier suppliers, the supplier shall flow the Appendix I requirements as necessary to assure full compliance is achieved.

In case of of differences or inconsistencies with texts in the Main Contract, the stipulations in this Appendix I will prevail.

The latest issue to this document is the version that is available on the Fokker Aerostructures website:
http://www.fokker.com/frfa-Supplier-Portal

APPROVAL

Involvement	Name	Function	Signature and approval date
Prepared by:	A. de Boer	Quality Liaison Engineer	
Accountable	A. Schoemaker	Project Manager	
Approval:	Eelco Houkes	Manager Quality Procurement	

CHANGE LOG

Date/Issue	Change Reason
10.Jun.2014/01	First concept created for RFQ.
01.sep.2014/02	Changed Project name into KDA-Oman Shelter Systems Added AQAP requirements in quality note 02. Added specific requirements quality note 09 to Type 1 and type 2 products Added quality notes 19, 21 and 22. Revised quality note 20
02.dec.2016/03	Responsibility in Annexes changed from DMO or MOD into (Buyer of) Fokker.

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LIST OF ANNEXES:

01 GENERAL

This Appendix I defines Buyer's additional Program Specific Quality Requirements and forms an integral part of the Purchase Order (PO) concluded between Supplier and Buyer.
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All terms defined in the Purchase Order shall be applicable to this Appendix I, unless explicitly defined otherwise in this Appendix I.
Supplier shall have systems and methods to assure full compliance to this Appendix I. When products or services applicable to the PO are procured by the Supplier from sub-tier suppliers, the supplier shall flow the Appendix I requirements as necessary to assure full compliance is achieved.

02 SUPPLIER QUALITY ASSURANCE SYSTEM

The Supplier shall establish and maintain a Quality System compliant with ISO 9001:2008, "Quality Management Systems Requirements.

The Supplier and their Sub-tiers will also adhere to the appropriate AQAP quality assurance requirements as stated below.

Subcontractor who delivers	**AQAP type**	**Type of subcontracting**	**Description of the subcontract**
Equipment or services as specified by Fokker, such as: ACU, EPU, Heater, etc.	2120 Edition 3	Build To Print (Fokker Design)	The design related to this product is established. Usually the complexity of the product requires comprehensive quality control and the need for servicing may arise. Life, reliability and other quality characteristics can only be ensured by the Supplier, throughout the manufacturing or processing phases, by use of materials and parts of proven quality and by means of detailed work instructions, process control and procedures whose purpose is to permit the earliest possible corrective action.
Assemblies/Drawing parts using special processes as specified by Fokker, such as, Frames, Profiles, etc.	2130 Edition 3	Build To Print (Fokker Design)	The design related to the product is established and conformance with requirements can be demonstrated solely on the basis of inspection, during the manufacturing and processing of materials, parts, components, sub-assemblies and the final product, as appropriate.
Loose Parts as specified by Fokker: Filters, Profiles, Special hinges, etc.	2131 Edition 2	Build To Print (Fokker Design)	Conformance with the requirements can be demonstrated satisfactorily on receipt of the final product.
Standard Parts (COTS) as specified by Fokker	No AQAP only ISO 9001:2008	Catalogue parts	The product is readily verifiable at the point of delivery. There are no factors that require design provenance and/or traceability. Not for critical parts.

For electronic production IPC/WHMA-A-620B CL3 and for acceptability of electronic assemblies IPC-610E CL3 shall be used. For mechanical production all work shall be done in accordance with the procedures defined in the Technical Data Package and good practice and workmanship.

Process controls shall ensure that the product hardware meet the requirements of the applicable specifications and this SOW. The Supplier's quality system shall ensure that all inspections/tests/calibrations are in accordance with the contract requirements, are included in the Supplier's production planning and manufacturing methods, and are being performed. The Supplier shall flow down applicable requirements to sub-tier Suppliers to ensure overall compliance to the contract.

03 CHANGES

Any changes to delivery times and scope of delivery shall not be made without prior Fokker approval of such changes. All necessary change requests shall be submitted to Fokker via a formal change request as per configuration management procedures Fokker reserves the right to reject proposed changes if assessed to contain too much risk for fulfillment of the contract or interim acceptance.

04 SUPPORT TO FOKKER'S CUSTOMERS

When necessary to support Fokker's customers product-level specification requirements, physical and functional configurations, manufacturing and assembly, acceptance verifications, and/or failure reporting and corrective action processes, the Supplier shall make available at the designated manufacturer's location, upon Fokker request, product documentation and information incl. lower-level product documentation and information.

05 AUDITS

Fokker reserves the right to conduct audits performed by Fokker representative(s), Quality Assurance personnel and/or Fokker's Customer and End Customer personnel as required.

All requirements of this contract may be subject to GQA. You will be notified of any GQA activity to be performed.

06 WORKMANSCHIP (CLASS TYPE 1 AND 2 ONLY)

For manufacture of the Deliverables, the Supplier shall implement workmanship standards with acceptance criteria following the guidance of MIL-HDBK-454, Guide-line 9.

07 ELECTROSTATIC DISCHARGE (ESD) DAMAGE CONTROL

The Supplier shall establish requirements and implement procedures sufficient to pre-clude latent damage or failures of parts susceptible to ESD, ref. MIL STD 1686. The Supplier shall make ESD control procedures available for Fokker review upon re-quest.

08 CONNECTOR PROTECTION

This will not be addressed in the TDP, Supplier shall provide as needed. Connectors shall be protected as follows:
• Protect all unmated connectors at all times during assembly, storage and test.
• Protect contacts or sockets of individually assembled connectors with protective caps or other suitable packaging prior to shipment.
• Ensure connectors are free of foreign objects prior to placing caps on connectors.
• For electrical connectors, use ESD-compliant correctors in accordance with MIL-STD-1686, Class 1 (ESD Model HBM) or equivalent protective measures.

09 PROCESS CONTROL PROCEDURES

The Supplier shall implement process control procedures, inspections and tests to verify that relevant articles conform to applicable drawings and specifications. These process control activities, inspections and tests shall include receiving, material processing, fabrication, assembly and shipping phases. The Supplier shall maintain records of process control activities, inspections and tests performed. These records shall be adequate to ascertain the quality level of production processes, and each operation shall be signed for by the operator and/or the quality controller.

Records shall include Certificate of Conformity, and/or chemical and physical test results of raw materials used in the manufacture of components critical to the functionality of each Deliverable, critical components defined upon by design authority. Records shall include Certificate of Conformity for purchased non Commercial of the Shelf and/or Military of the Shelf items of each Deliverable. The Supplier shall maintain control of limited-life material and prevent its incorporation into the deliverable product after the shelf life has expired. This control shall also be imposed for rework of the deliverable product.

Supplied parts can be divided into three separate classes (the class is indicated on the RFQ/PO):

Type 1: Critical parts:
Failure of these parts could lead to failure of the total structure.
Material or parts, which protect the shelter against environmental conditions, in order to secure the lifetime of the shelter.
In order to prove compliance with the Purchase Order requirements, a CoC will be requested from applicable suppliers.

The Supplier shall perform a product verification in type 1 parts.
In case Fokker decides not to attend the such verification, the Supplier shall submit the results of the product verification for Fokker's approval within one week after completion of the product verification. The Supplier is only authorized to commence serial production runs after receipt of Fokker's written unconditional approval.
Product verification, or the absence thereof, shall not reduce or exclude any obligation or liability of the Supplier pursuant to the requirements of the Contract including those specified in this Appendix I of this Program Agreement.
Product verification on critical specifications, overall dimensions, Interface dimensions and main equipment functions as specified, is required.

Deliverables:
The first serial production part must be delivered with as a minimum:
A Product Verification report with detailed information on measurements, testing, results and material specification for critical specifications, overall dimensions, Interface dimensions and main equipment functions as specified, must contain for a minimum of Quantity, parts description and purchase order number and a Certificate of Conformity (CoC).

For parts after that first delivery, verification reporting must be available on site at the supplier and the parts must be delivered with a minimum of must contain for a minimum of Quantity, parts description and purchase order number and a Certificate of Conformity (CoC).

Type 2: Non critical parts
These parts will not adversely affect the structural integrity of the product if they fail but are specifically designed/specified for the product.
In order to prove that these parts meet the requirements, the delivery documentation will be checked against the Purchase Order.
A fit check is included during assembly of these parts.

Deliverables:
Type 2 parts: Parts must be delivered with, as a minimum, Quantity, parts description and purchase order number and a Certificate of Conformity (CoC).

Type 3: Standard- and catalogue parts
These parts contain Commercial of the Shelf Parts (COTS) and raw material specified in supplier specifications or commercial/industrial specifications.
In order to prove that these parts meet the requirements, the delivery documentation will be checked against the Purchase Order.

Deliverables:
Type 3 parts: Must be delivered with the delivery documents that must contain for a minimum of Quantity, parts description and order number.

Type indications per product or product group will be determined and documented in the technical data package.

The Supplier's product, process control and quality records shall be retained. Records shall be provided for review at the manufacturer's specified location upon Fokker's request.

10 PROCESS CONTROL, INSPECTION, MEASURING, AND TEST EQUIPMENT (CLASS TYPE 1 AND 2 ONLY)

The Supplier shall provide and maintain process control, inspection, measuring, test equipment, and tooling used as inspection media. The process control, inspection, measuring, test equipment and tooling shall be of adequate range, accuracy and type necessary to ensure conformance of articles to calibration system requirements. The Supplier's calibration system shall meet the requirements of ISO10012-1.
The following shall be checked for accuracy prior to initial use:
• Manufacturing Tooling.
• Tool gauges.
• Jigs.
• Assembly Fixtures.
• Inspection fixtures that measure dimensions affecting quality characteristics.
Periodic check and recalibration of these items shall be done at predetermined inter-vals to verify their continued accuracy, and records of all such checks/recalibrations shall be maintained and made available to Fokker.
For Automated Test Equipment (ATE), the Supplier shall ensure that:
• Instructions used for automated testing accurately reflect the automated testing sequence.
• Instructions used for automated testing identify the required acceptance test soft-ware as part of the test equipment.
• Test procedures contain safeguards to ensure and verify that the current / correct software is being used.
• Acceptance test software and testing parameters safeguards are provided to pre-vent modifications at the test station.
• Test documentation accurately identifies the version of acceptance test software used and the product which is tested.
• Test reports, data sheets, verification reports and any other test-related media and documentation are maintained.

11 FOREIGN OBJECT ELIMINATION (CLASS TYPE 1 AND 2 ONLY)

The Supplier shall establish and document procedures for detecting and removing foreign material that may damage the product. Such material shall be detected and removed prior to product operation. The material supplied to this contract shall be delivered free of foreign objects

The Foreign Object Elimination (FOE) procedures shall be proportional to the sensitivity of the design of the product(s) to Foreign Object Damage (FOD), as well as, to the FOD-generating potential of the manufacturing methods.

The FOE procedures shall include FOD preventative practices in packaging. Foreign objects shall not be present in packaging and packaging containers. Foreign objects may include material commonly used in packaging such as staples used for closure of unit packaging, foam "peanuts" used for cushioning and Styrofoam that can break down and cling to parts. Packaging material shall not leave any residue on the parts as a result of packaging or unpacking the product.
These procedures shall also be implemented during rework, repair and assembly operations.

12 CONFIGURATION MANAGEMENT (CLASS TYPE 1 AND 2 ONLY)

The Supplier shall implement a CM program through established Supplier's procedures. The CM program shall contain procedures for;
A. Configuration Identification
B. Configuration Control
C. Configuration Status Accounting
D. Configuration Auditing.
Points A and B are required for Built-to-Print suppliers.
Points A – D are required for suppliers whose scope of work contains design work or are themselves the Design Authority of the Deliverable Product to be manufactured.

13 LEAD FREE SOLDER AND TIN WHISKER RISK MITIGATION

If applicable the Supplier shall implement Lead Free Solder Tin Whisker Mitigation Control such that product reliability is not adversely impacted.

14 RECORDS (CLASS TYPE 1 AND 2 ONLY)

The Supplier shall maintain quality records in accordance with the quality system as stated in this Statement of Work. Records of all activities related to the contract shall be stored systematically by Supplier in a record file for a period of at least 20 years dating from the final payment of the contract or purchase order. Supplier must impose this requirement on its sub-suppliers.
Records shall be available for review upon request any time during this period. Before the Record File closure date, Supplier may request Fokker for instructions for further retention of the records.
Records shall include, but not be limited to:

- Evidence of inspection to assure adherence to applicable drawings or specifications and revisions
- First Article Inspection/ test reports
- Periodic inspection and control of inspection media
- Records to indicate control of special tooling and special test equipment
- Test data records of all qualification and acceptance tests performed
- Certification of personnel as required by specification and/or contract
- Raw material and process certifications
- Material review reports

The Record File shall not be destroyed without written permission from Fokker.

15 CERTIFICATE OF CONFORMITY (CLASS TYPE 1 AND 2 ONLY)

The Supplier shall certify in writing via Certificate of Conformity that the parts and materials used in the hardware match the documented configuration. The certificate shall state that the Supplier has performed all inspections and required tests identified in this SOW and that the product is compliant with the Contract.
The Certificate of Conformity shall also contain the following information:

- Supplier name and address.
- Contract Agreement number.
- Part number of item (as specified on the Contract Agreement), revision and quantity.
- Serial number(s) or date code(s) or lot/batch/heat number(s) as applicable.
- Statement of conformance to all contract requirements.
- List of approved deviations/waivers.
- Authorized agent's signature, title and date.
- Purchase Order number.

The Supplier shall retain a copy of each Certificate of Conformity and all relevant supporting data. For each shipment, a copy of Certificate of Conformity shall be included with each shipment.

16 SHELF LIFE MATERIALS

Used or delivered shelf life materials shall be "factory new" unless Fokker's written permission.
In case that the part is shelf life limited, the cure date is mandatory and the time difference between cure date and date of goods receipt at Fokker may not exceed 25% of total shelf life.

17 SUBCONTRACTED PARTS (CLASS TYPE 1 AND 2 ONLY)

The use of sub-tier suppliers is only allowed with Fokker's written permission.
Where applicable, Supplier shall flow down to sub-tier suppliers all applicable requirements in Fokker's purchasing documents, including required key characteristics.
In case of nonconforming items, Supplier's dispositions are limited to scrapping the material, rework to drawing, or return to supplier. In all other cases, Supplier shall submit nonconforming material reports to Fokker for disposition.
Scrapped parts shall be returned to Fokker, labeled and separately packed from the rest of the goods.

18 LANGUAGE

Unless otherwise authorized by Fokker in writing, upon request by Fokker, Supplier shall provide all Supplier records, reports, specifications, drawings, inspection and test results and other documentation in English.

19 ENVIRONMENTAL REQUIREMENTS

The process chemicals/agents or materials and methods used for the production of the goods shall not represent any threat to the environment or personnel involved.

Recycled, recovered or environmentally preferable materials shall be used to the maximum extent possible provided that the materials meet the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

The use of products shown to be environmentally harmful shall be avoided in the equipment and for maintenance purposes.

20 CUSTOMER ENVIRONMENTAL REQUIREMENTS

The KDA/Oricopa Shelter parts shall comply with the Customer Environmental Requirement as described in:

Appendix M “Customer Environmental Requirements for the KDA/Oricopa Shelter ” of the contract or E-lighter- Appendix M for the KDA/Oricopa Shelter on the Fokker Aerostructures website in case of a purchase order:
http://www.fokker.com/frfa-Supplier-Portal

Note: the Supplier shall explicitly state in its quotation that it will conform to these requirements.

21 RESTRICTIONS IN THE USE OF HAZARDOUS SUBSTANCES IN EQUIPMENT AND CONSUMABLES”

Delivered equipment, consumables, parts, sub-parts, components or parts thereof must adhere to the restrictions given in the document MOB11-001-JD-035 “Restrictions in the use of hazardous substances in equipment and consumables”
By delivery of equipment, consumables, parts, sub-parts, components or parts thereof the supplier confirms that these restrictions are followed. (Attachment 1)

Note: the Supplier shall explicitly state in its quotation that it will conform to these restrictions.

22 KONGSBERG ILS REQUIREMENTS FOR SHELTER SYSTEM

Attachment 2 - The Kongsberg ILS requirements for Shelter System are applicable.
The Supplier shall provide ILS data in accordance with Attachments 2 in order to support Fokker and KDA in his ILS analysis to KONGSBERG’s Customer. This includes RAM analysis for the Suppliers Products and performance of Spares analyses for Suppliers products.
It also includes delivery of Technical Manuals and Maintenance Allocation Charts for Suppliers Products.

Annex A: Restrictions in the use of hazardous substances in equipment and consumables (MOB11-001-JD-035)

Title : MOB11-001-JD-035 Restrictions in the use of hazardous substances in equipment and consumables.

Controlled Copy :

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The Netherlands

Issue date : 5-10-2012
Issue number : -
Report number : **MOB11-001-JD-035**
Order number :
Security class : FOKKER UNCLASSIFIED
Company / dept. : QLE

REPORT

Annex 1 Environmental, Health & safety requirements for Industrial chemicals, used for the maintenance of equipment;

Substance / product	Cas number	Measure	Category of restriction
Benzene	71-43-2	The legislator allows the use of the hazardous substance as a component of engine fuels.	1C
		The legislator does not allow the substance to be placed on the market in industrial chemicals This requirement does not apply to industrial chemicals, which contain less than 0,1 % benzene by weight.	1A
Chloroparafines (C10 – C13)		The legislator does not allow the substances to be placed on the market in metalworking fluids. This requirement does not apply to metalworking fluids chemicals which contain less than 0,1 % chloroparafines by weight.	1A
		Fokker discourages the use in lubricants.	2B
Organostannic compounds		The legislator has issued a ban on the use as biocides in free associated paint and as biocides to prevent the fouling by micro-organisms, plants and animals of ships and/or equipment which is totally or partly submerged.	1A
Dibutyltin (DBT)-compounds		Fokker discourages the use of Dibutyltin compounds.	2B

Substance / product	Cas number	Measure	Category of restriction
Mercury compounds	7439-97-6	The legislator has issued a ban on the use in antifoulings for all purposes	1A
Cobaltchloride	7646-79-9	Fokker doesn't allow the use of this compound as a medium for drying.	2A
Lead compounds: Leadchromate: Leadmolybdate: Leadoxide	 7758-97-6 10190-53-3 1317-36-8	Fokker does not allow new military land vehicles, ships and equipment to be supplied with a coating system that contains (a) lead compound(s).	2A
		Fokker does not allow coating systems, intended for the maintenance of military land vehicles, ships and equipment to contain lead compounds.	2A
Lead compounds: Leadcarbonate Trilead-bis(carbonate)-dihydroxide Leadsulphate	 598-63-0 1319-46-6 7446-14-2 15739-80-7	The legislator has issued a ban on the use of these compounds in coating systems for (military) equipment.	1A
Silica crystalline; Quarts Cristoballite Tridynite	 14808-60-7 14464-46-1 15468-32-3	Fokker does not allow the use of these compounds in coatings, adhesives and other industrial chemicals. This requirement does not apply to coating which contain less than 0,1 % of silica-crystalline by weight.	2A
Lead compounds in industrial chemicals, who are no coatings: Lead(II)sulphate Lead(II)carbonate Leadhydrocarbonate Leadacetate Lead(II)acetate, trihydrate Lead phosphate Leadselenide Lead(IV)oxide Lead(II,IV)oxide Lead(II)sulfide Lead(II)oxide Leadhydroxidecarbonate Lead(II)chromate Lead(II)titanate Leadsulphate, Sulpheric acid, leadsalt Leadstearate	 7446-14-2 598-63-0 1319-46-6 301-04-2 6080-56-4 7446-27-7 12069-00-0 1309-60-0 1314-41-6 1314-87-0 1317-36-8 1344-36-1 7758-97-6 12060-00- 315739-80-7 7446-14-2 15739-80-7 1072-35-1	Fokker does not allow the use of these compounds in coatings. When the maximum concentration of 0,1 % by weight has been exceeded, the supplier must report the use of one or more of the listed compounds to the Buyer of Fokker.	2A 3A

Substance / product	Cas number	Measure	Category of restriction
Glycolethers - 2-ethoxyethanole - 2-ethoxyethylacetate - 2-methoxyethanole - 2-methoxyethylacetate - 2-methoxypropanole	 110-80-5 111-15-9 109-86-4 110-49-6 1589-47-5	Fokker discourages the use of these compounds as solvents This requirement does not apply to industrial chemicals which contain less than 0,1 % of glycolethers by weight	2B
- Nonylphenole - Nonylfenol/ethoxylaten - 4-para0nonylphenole - Octylfenol - Para-tert-octylfenol - 2,4,6-tri-tert-butylfenol	25154-52-3 (84852-15-3) 9016-45-9 104-40-5 1806-26-4 140-66-9 732-26-3	Fokker discourages the use in industrial chemicals This requirement does not apply to industrial chemicals which contain less than 0,1 % of these substances by weight	2B
Chlorinated hydrocarbons, used as a solvent: Hexachloroethane Pentachloroethane 1,1,1,2 Tetrachloroethane 1,1,2,2 Tetrachloroethane 1,1,2 Trichloroethane Trichloroethane Trichloromethane 1,2-Dichloroethane 1,1-Dichloroethylene Trichloorbenzene	 67-72-1 76-01-7 630-20-6 79-34-5 79-00-5 79-01-6 67-66-3 107-06-2 75-35-4 120-82-	The legislator has issued a ban on the use of the substance.	1A
Other chlorinated hydrocarbons		Fokker discourages the use This requirement does not apply to industrial chemicals which contain less than 0,1 % of these substances by weight.	2B
2-Naftylamine and it's salts Benzidine and it's salts 4-Nitrobifenyl 4-Aminobifenyl, xenylamine and it's salts	91-59-8 92-87-5 92-93-3 92-67-1	The legislator has issued a ban on the use of the substance in industrial chemicals This requirement does not apply to industrial chemicals which contain less than 0,1 % of these substances by weight.	1A
Dichloromethane	75-09-2	Fokker does not allow the use as a paint stripper. Sufficient alternatives are available. The legislator will issue a ban on the use as a paint stripper from June 6th 2012.	2A 1A

Substance / product	Cas number	Measure	Category of restriction
Volatile Organic Substances (VOS)		The legislator has decided that military equipment can be supplied with a coating system, which may contain the following maximum amount of volatile organic substances* – based on the ready to use product: • Preparation: 850 g/l • Cleaning of the surface: 200 g/l • Filler: 250 g/l • Surfacer: 540 g/l • Standard (metal)primers: 540 g/l • Washprimers: 780 g/l • Waterbased paint: 140 g/l • High solid paint: 420 g/l • Top coating: 420 g/l • Special coatings for munitions and other military equipment: 840 g/l Volatile organic substances* are hydrocarbons with a vapour pressure > 0,01 kPa (0,1 mbar).	1C
CMR, PBT and/or vPvB substances as mentioned in annex XIV of the REACH regulation		The legislator has issued a ban on the use of the substance in industrial chemicals and articles unless the manufacturer has been exempted from this ban	1A
CMR-substances as mentioned in annex VI of the CLP Regulation 1272/2008 EU and/or classified as such by the Health Council of the Netherlands		The legislator discourages the use of carcinogenic, mutagenic and/or reprotoxic substances. When technical possible, the competent manager from the BUYER OF FOKKER must replace an industrial chemical containing CMR-substances by an industrial chemical which does not contain CMR-substances. This requirement does not apply to industrial chemicals which contain less than 0,1 % of CMR-substances by weight.	2B
		The supplier reports to the Buyer of Fokker, what are the technical reasons, that he has not replaced the existing industrial chemicals containing CMR-substances by new industrial chemicals, free from CMR-substances. This requirement does not apply to industrial chemicals which contain less than 0,1 % of CMR-substances by weight.	3A
Very toxic substances		Fokker discourages the use of substances with the Risk-sentence R 26, R 27 and/or R 28 or the Hazard sentence H 300, H 310 and/or H 330. This requirement does not apply to industrial chemicals which contain less than 0,1 % of these substances by weight.	2B

Substance / product	Cas number	Measure	Category of restriction
PBT-substances as mentioned in annex 17 of the REACH Regulation 1907/2006 EU.		The legislator discourages the use of Persistent-, Bio accumulative and/or Toxic substances. When a supplier offers a new industrial chemical which contains one or more Persistent-, Bio accumulative- or Toxic-substances to the Buyer of Fokker, the Buyer of Fokker must search actively for an alternative industrial chemical, which does not contain PBT-substances. This requirement does not apply to industrial chemicals which contain less than 0,1 % of PBT-substances by weight.	2B
PBT-substances as mentioned in annex 17 of the REACH Regulation 1907/2006 EU.		The supplier reports to the Buyer of Fokker reports, what are the technical reasons, that he has not replaced the existing industrial chemicals containing PBT-substances by new industrial chemicals, free from PBT-substances.	3A
		When technical possible, the Buyer of Fokker must replace an industrial chemical containing PBT-substances by an industrial chemical which does not contain PBT-substances This requirement does not apply to industrial chemicals which contain less than 0,1 % of PBT-substances by weight.	2B

Annex 2 Restrictions on the use of Halon 1211 and/or Halon 1301

Substance / product	Cas number	Measure	Category of restriction
Halon 1211 Halon 1301	353-59-3 75-63-8	Fokker does not allow that new military land vehicles, ships and equipment are equipped with Halon 1211 and/or Halon 1301 fire extinguishers.	2A
		When a new aeroplane is being designed, Fokker doesn't allow this aeroplane to be equipped with Halon 1211 and/or Halon 1301 fire extinguisher.	2A
		When an aeroplane of an existing design is being procured, Fokker discourages the use of Halon 1211 and/or Halon 1301 as a fire extinguisher.	2B

Annex 3 Restrictions on the use of corrosion protection products

Substance / product	Cas number	Measure	Category of restriction
Cadmium	7440-43-9	The legislator has issued partly a ban on the use of the substance in REACH regulation, annex XVII and the ROHS Directive Fokker does not allow that new military land vehicles, ships and equipment are supplied with a corrosion protection by means of any deposit or coating of metallic cadmium on a metallic surface.	1A 2A
Chromium(VI)-compounds	18450-29-9	Fokker does not allow new military land vehicles, ships and equipment to be supplied with a corrosion protection system that contains Chromium(VI)compounds.	2A
Chromium(VI)-compounds	18450-29-9	The exterior of an aircraft is to be supplied with a coating system that contains the lowest amount of Chromium(VI)compounds as technically possible.	2B
Lead compounds: Leadchromate: Leadmolybdate: Leadoxide Leadsulfate	 7758-97-6 10190-53-3 1317-36-8 7446-14-2	Fokker doesn't allow land vehicles, ships and equipment are supplied with a coating system that contains lead compounds. This does not apply to industrial chemicals which contain less than 0,1 % of leadcompounds by weight.	2A
Lead compounds: Leadchromate Leadmolybdate: Leadoxide	 7758-97-6 10190-53-3 1317-36-8	Fokker discourages the use of lead compounds in aircraft coating systems.	2B
Silica crystalline; Quarts Cristoballite Tridynite	 14808-60-7 14464-46-1 15468-32-3	Fokker does not allow the use of these substances in coating systems. This does not apply to industrial chemicals which contain less than 0,1 % of silica-crystalline by weight.	2A

Annex 4 Restriction on the use of hazardoud substances in electronics

Substance / product	Cas number	Measure	Category of restriction
Lead compounds * = lead	7439-92-1*	Fokker discourages the use of lead based solders.	2B
Flame retardant: Decabromobifenylether	1163-19-5	The legislator has issued a ban on the use This does not apply to industrial chemicals which contain less than 0,1 % of decabromobifenylether by weight.	1A
Flame retardant: TRIS PBB OctaBDE PeBDPE Bis-(2,3-dibromopropyl)-phosphate TEPA 2-broombifenyl 3-broombifenyl 4-broombifenyl Broombifenylether Decabroombifenyl Dibroombifenyl Dibroombifenylether Heptabroombifenylether Heptabroombifenyl Hexa-broom-1,1-bifenyl Hexabroombifenylether Nonabroombifenylether Octabroomdifenyl Octabroom-1,1-bifenyl Tetrabroombifenyl Tetrabroombifenylether Tribroombifenylether	 126-72-7 59536-65-1 32536-52-0 32534-81-9 5412-25-9 545-55-1 02052-07-5 2113-57-7 92-66-0 101-55-3 13654-09-6 92-86-4 2050-47-7 68928-80-3 59080-40-9 36355-01-8 36483-60-0 63936-56-1 61288-13-9 27858-07-7 40088-45-7 40088-47-9 49690-94-0	Fokker discourages the use of these substances.	2B
Cadmium* en cadmiumcompounds: Cadmiumoxide Cadmiumsulfide	7440-43-9* 1306-19-0 1306-23-6	The legislator has issued partly a ban on the use of the substance in REACH regulation, annex XVII and the ROHS Directive Fokker does not allow the usage of cadmium plated electrical contacts, unless no technical suitable alternatives are available or the usage is compulsory because of airworthiness requirements.	1C 2B
Beryllium* en berylliumcompounds: Beriliumchloride Beriliumfluoride Beriliumhydroxide Beriliumsulfate	7440-41-7* 7787-47-5 7787-49-7 13327-32-7 13510-49-1	Fokker discourages the use in electronics.	2B

Substance / product	Cas number	Measure	Category of restriction
Lithium batteries		When a supplier offers to supply a lithium battery, he must supply to the competent manager of Fokker a Material Safety Data Sheet. He must also state in writhing that the battery has passed all tests as mentioned in the UN Manual of Tests and Criteria, Part III, subsection 38.3.	3A
PVC		Fokker discourages the use in electronic cabling, especially in confined spaces.	2B

Annex 5 Restrictions on hazardous substances in textiles, clothing, personal equipment and shoes

Substance / product	Casnumber	Measure	Category of restriction
Asbestos n.o.s. Actinolite Asmosite Anthofylite Chrysolite Tremolite Crocidolite	1332-21-4 77536-66-4 12172-73-5 77536-67-5 12001-29-5 77536-68-6 12001-28-4	The legislator has issued a ban on the use of the substance Not detectable for any asbestos mentioned in the list.	1A
Azo-dyes: 4-Aminodiphenyl Benzidine 4-Chloro-o-toluidine 2-NMaphtylamine o-Aminoazotoluene 2-Amino-4-Nitrotoluene 2,4-Diaminocanisole 4,4-Diaminodiphenyl-methane 3,3-Dichlorobezidine 3,3-Dimethoxybenzidine 3,3-Dimethylbenzidine 3,3-Dimethyl—4,4-diaminiphenylmethane p-Chloroaniline p-Cresidine 4,4-Methylene-bis-2-chloroaniline 4,4-Oxydianiline 4,4-Thiodianiline 2,4-Toluenediamine o-Toluidine 2,4,5-Trimethylaniline o-Anididine p-Amino-azobenzene 2,4-Xylidine 2,6-Xylidine **$C_{39}H_{23}ClCrN_7O_{12}S.2N$** **$C_{46}H_{30}CrN_{10}O_{20}S_2.3N$**	 92-67-1 92-87-5 95-69-2 91-59-8 97-56-3 99-55-8 615-05-4 101-77-9 91-94-1 119-90-4 119-93-7 838-88-0 106-47-8 120-71-8 101-14-4 101-80-4 139-65-1 95-80-7 95-53-4 137-17-7 90-04-0 60-09-3 95-68-1 87-62-7 118685-33-9	The legislator has issued a ban on the use of the substance / Fokker doesn't allow the use of the substance, sufficient alternatives are available. All Azo-dyes who might disintegrate into amines which are (suspected to be) carcinogenic are mentioned on this list. Maximum concentration, that must not be exceeded: 30 mg / kg for each of the substances mentioned on this list	1A 2A

Substance / product	Casnumber	Measure	Category of restriction
Disperse dyes: Disperse blue 1 Disperse bleu 35 Disperse blue 106 Disperse blue 124 Disperse orange 3 Disperse orange 37/76 Disperse orange 37 Disperse orange 76 Disperse yellow 76 Disperse yellow 3 Disperse blue 3 Disperse blue 7 Disperse blue 26 Disperse blue 102 Disperse yellow 1 Disperse yellow 9 Disperse yellow 39 Disperse yellow 49 Disperse orange 1 Disperse red 11 Disperse red 17 Disperse brown 1	 2475-45-8 12222-75-2 12223-01-7 61951-51-7 730-40-5 13301-61-6 12223-33-5 51811-42-8 2832-40- 82475-45- 83179-90-6 3179-90-6 3860-63-7 12222-97-8 119-15-3 6373-73-5 12236-29-2 54824-37-2 2581-69-3 2872-48-2 3179-89-3 23355-64-8	The legislator has issued a ban on the use of the substance Fokker does not allow the use of the substance, sufficient alternative disperse dyes are available. Disperse dyes, which are suspected of skin sensitisation and cause allergic reactions, are mentioned in this list. Not detectable for any disperse dye mentioned in this list. Detection limit = 5 mg / litre.	1A 2A
Flame retardants: TRIS PBB OctaBDE PeBDPE Bis-(2,3-dibromopropyl) phosphate TEPA	 126-72-7 59536-65-1 32536-52-0 32534-81-9 5412-25-9 5455-55-1	The legislator has issued a ban on the use of the substance. The substances, mentioned on this list are persistent for the environment and are also suspected to harm the human immune system. Not detectable for any substance, mentioned on this list. Detection limit = 50 mg / kg.	1A
Formaldehyde	50-00-0	Fokker does not allow the use of the substance, there are sufficient alternative substances, which can be used to make clothing resistant against shrink and of crease. This requirement does not apply to articles which contain less than 0,1 % of formaldehyde by weight.	2A
Cadmium	7440-43-9	Fokker does not allow the use of the substance, there are sufficient alternative substances. This requirement does not apply to articles which contain less than 100 ppm of cadmium.	1A
Compounds containing Chromium(VI)	7440-47-3	The legislator has issued a ban on the use of the substance. Fokker does not allow the use of the substance, there are sufficient alternative substances. Not detectable. Detection limit: 3 ppm	1A 2A

Substance / product	Casnumber	Measure	Category of restriction
Diocytin (DOT)-compounds		Fokker does not allow the use of these substances, there are sufficient alternative substances. From January 1st 2012, the legislator will issue a ban on the use of these substances.	2A 1A (from 01-01-2012)
Mercury	7439-97-6	The legislator has issued a ban on the use of the substance. Not detectable. Detection limit: 1 ppm	1A
Lead	7439-92-1	Fokker does not allow the use of the substance. This requirement does not apply to articles which contain less than 100 ppm of lead.	2A
Nickel	7440-02-0	Fokker does not allow the use of the substance. Nickel and nickel compounds are suspected of causing cancer. Maximum concentration, that must not be exceeded: 0,5 ug/cm2/week.	2A
Organotincompounds: - Tributyltin - Trifenyltin - Tributyl(vinyl)tin - Azocyclotin - Fentinhydroxyde - Trifenyltinacertate	 688-73-3 36643-28-4 7486-35-3 41083-11-8 76-87-9 900-95-8	The legislator has issued a ban on the use of the substance. This requirement does not apply to articles which contain less than 0,1 % of these substances by weight.	1A
Pesticides: HCH and all Isomers Lindane Aldrin Chloroacne Dieldrin Endrin Heptachlor Heptachlor epoxide Isodrin Kelevane Chlordecone (keptone) Telodrin Strobane Toxaphene Hexachlorobenzene DDT DDE DDD Methoxychlor Perthane Quintozene	 608-73-4 58-89-9 300-00-2 57-74-9 60-57-1 72-20-8 76-44-8 1024-57-3 465-73-6 4234-79-1 143-50-0 297-78-9 8001-50-1 8001-35-2 118-74-1 50-29-3 72-55-9 72-54-8 72-43-5 72-56-0 82-68-8	The legislator has issued a ban on the use of the substance. Pesticides can be present in natural fibres (especially cotton) Not detectable. Detection limit for every separate pesticide: 0,5 ppm.	1A

Substance / product	Casnumber	Measure	Category of restriction
Pftalates: DINP DEHP DIDP DNOP BBP DBB	 28553-12-0 117-81-7 26761-40-0 117-84-0 85-68-7 84-74-2	Fokker does not allow the use of the substance, there are sufficient alternative substances. Maximum concentration that must not be exceeded: 500 mg/ kg. .	2A
Polyvinylchloride	9002-86-2	Fokker does not allow the use of the substance, sufficient alternative substances are available. This requirement does not apply to articles which contain less than 1 % of polyvinylchloride by weight.	2A
Solvents: Pentachloroethane Tetrachloromethane 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	 76-01-7 56-23-5 630-20-6 79-34-5	The legislator has issued a ban on the use of the substance Maximum concentration of the solvents mentioned that must not be exceeded: 1000 mg / kg.	1A
Solvents: Benzene Phenol Toluene Xylene (alle isomeren)	 71-43-2 108-95-2 108-88-3 1330-20-7	Fokker does not allow the use of the substances during the production process of yarn and/or fabrics.	2A
CMR-substances as mentioned in annex VI of the CLP Regulation 1272/2008 EU and/or classified as such by the Health Council of the Netherlands		Fokker does not allow the use of Carcinogenic-, Mutagenic- and/or Reprotoxic substances.	2A

Annex 6 Restriction on the use of hazardoud substances as coolants

Substance / product	Cas number	Measure	Category of restriction
Ammonia Propane	7664-41-7 74-98-6	Fokker does not allow the use of these substances as a coolant in freezers and/or refrigerators, which can be used during military operations.	2A

Annex 7. Restrictions on the use of radioactive sources

Substance / product	Cas number	Measure	Category of restriction
Radioactive sources		Fokker does not allow the use of a radioactive source unless Fokker Engineering can prove that the use of a closed radioactive source is an operational necessity. This requirement is not valid for closed radioactive sources, of which the radiation is lower than the limiting value mentioned in annex 1 (exemption levels) of the Decree on the protection against radiation (2001).	2B
Radioactive sources		The supplier reports all radioactive sources to the competent manager of Fokker. The report must include the radiation value of every source (BeQ).	3A

In contradiction to the wording of article 204, an application for an Authorisation has to be send to the Head of the Radiation Protection Agency (SBD) of the Ministry of Defence, see also MP 35-311.

Annex 8: Restrictions on the use of hazardous substances and alloys in ammunition

Substance / alloy / product	Cas number	Measure	Category of restriction
All substances		In order to operate within the Netherlands EOHS-regulations, Fokker must assess the EOHS impact of munitions during: • Firing; • Trajectory • Impact. The supplier of the ammunition must report to the Buyer of Fokker all substances, present in the ammunition. Per component of the munitions, the report must include: • The name and weight per substance; • Declaration that the substance does or does not contribute to the emission during respectively firing, trajectory and/of impact; This requirement does not apply to:	3A
Carcinogenic-, Mutagenic- and/or Reprotoxic substances: • as mentioned in annex IV of the CLP Regulatrion 1272/2008/EU • as mentioned in annex 1 of Directive 2004/37/EC • classified as such by the Health Council of the Netherlands		Fokker discourages the procurement of munitions, containing CMR-substances. This requirement is not valid if the ammunition does not contain more than 1 mg of a CMR substance.	2B

Substance / alloy / product	Cas number	Measure	Category of restriction
CMR, PBT and/or vPvB substances as mentioned in annex XIV of the REACH regulation		The legislator has issued a ban on the use of the substance in industrial chemicals and articles unless the manufacturer has specificly been exempted from this ban	1A
Tungsten-nickel-cobalt alloy		Fokker strongly discourages the procurement of munitions, containing a tungsten-nickel-cobalt alloy. Fokker Engineering must actively search for ammunition, free of tungsten-nickel-cobalt alloy. If a supplier wants to offer ammunition containing tungsten-nickel-cobalt alloy, he has to ask for an exemption in writing. This request must contain the reason why no alternative type of ammunition can be offered.	2B
Depleted uranium	7440-61-1	Fokker forbids the use of Depleted Uranium in ammunition	2A

Annex 9. Restriction on the use of nano substances in equipment and consumables

Substance / product	Cas number	Measure	Category of restriction
Nano-substances		The supplier reports the use of nano-substances to the competent manager of Fokker. The report must include a risk assessment as well as the protective measures to be taken in case of an (un)intended release of of the substances. The risk assessment must be in accordance with the report “Guidance working safety with nano materials and nano products (the guidance for employer and employees), version 1.0 May 2011”. The report has been produced at the request of FNV, VNO NCW and CNV and can be downloaded from Internet	3A

Annex 10. Biocides

Substance / product	Cas number	Measure	Category of restriction
Biocides		The legislator only allows the use of a biocide, when this biocide has been approved for the intended use by the Netherlands Board for the Autorisation of Plant Protection Products and Biocides (Ctgb). The actual list of biocides – approved by the Netherlands legislator can be found on the Ctgb website: http://ctb.agro.nl.	1C

Annex B: Kongsberg ILS Requirements

Item	Level	Type	Description	Delivery Format
1.1	**2**	**Information on the structure**	A report giving an overview of the structure of the assembly/system containing illustrations, functional figures and a short description in addition to a table containing (but not limited to) 1.1.1 to 1.1.8	Electronic report in .doc, .docx, or .pdf and electronic table containing 1.1.1 to 1.1.8 in .xls or .xlsx format and one paper copy of both
1.1.1	3-L	LCN	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.1.2	3-L	Item Name	Name of the item	
1.1.3	3-L	Part Number	Identifier of the particular part design	
1.1.4	3-L	Quantity per Assembly	Quantity of items per next higher assembly	
1.1.5	3-L	Quantity per System	Total quantity of items per system	
1.1.6	3-L	Unit of Measure		
1.1.7	3-L	Spare part category	LRU, SRU, DU, DP, Consumable, etc.	
1.1.8	3-L	Reference to illustration		
1.2	**2**	**Reliability, Availability, and Maintainability Report**	A report containing calculations, functional reliability block diagrams, assumptions, and draw conclutions based on findings related to the reliablity, availability and maintainability of the assembly/system. In addition, it contains a table containing (but not limited to) 1.2.1 to 1.2.10	Electronic report in .doc, .docx, or .pdf and electronic table containing 1.1.1 to 1.1.8 in .xls or .xlsx format and one paper copy of both
1.2.1	3-L	Failure rate per item	Calculated for 25 degrees Celsius in the Ground Fixed environment defined in MIL-HDBK-217F for failures in the conditions in the operating profile	
1.2.2	3-L	Measurement base	E.g. hours, km, rounds, etc.	
1.2.3	3-L	Source of value, failure rate	E.g. predicted, calculated, field data, etc.	
1.2.4	3-L	Mean Time To Repair	Total time (sum) of repair time for the item which includes troubleshooting, preparation and waiting time, restoration time for replacement, function checks, and system checks	
1.2.4.1	3-L	Time for troubleshooting		
1.2.4.2	3-L	Time for preparation and waiting		
1.2.4.3	3-L	Restoration time for replacement		
1.2.4.4	3-L	Time for function checs and system checks		
1.2.5	3-L	Source of value, MTTR		
1.2.6	3-L	Availability	Availability of the item during operation	
1.2.7	3-L	Source of value, availability		
1.2.8	3-L	Derating factor		
1.2.9	3-L	Comments		
1.2.10	3-L	Functional reliability block diagram reference	Reference to the functional reliability block diagram in the RAM report	
1.4	**2**	**Test Efficiency Analysis Report**	A report including assumptions, conclusoins, and other relevant background information used in the development of the Test Efficiency Analysis Report, and a table containing (but not limited to) 1.4.1 to 1.4.6	Electronic report in .doc, .docx, or .pdf and electronic table containing 1.1.1 to 1.1.8 in .xls or .xlsx format and one paper copy of both
1.4.1	3-L	LCN	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.4.2	3-L	Item Name	Name of the item	
1.4.3	3-L	Part Number	Identifier of the particular part design	
1.4.4	3-L	Failure mode		
1.4.5	3-L	Detection method	Indication, BIT-code, test equipment, etc.	
1.4.6	3-L	Comments		
1.7	**2**	**Life limited Items List**	A list containing (but not limited to) 1.7.1 to 1.7.7 of items having a shorter lifetime than the requirement for the system as a whole. If a system lifetime requirement does not exist, list the items that have a shorter lifetime than 20 years	Electronic table in .xls or .xlsx format and one paper copy
1.7.1	3-L	LCN	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.7.2	3-L	Item Name	Name of the item	
1.7.3	3-L	Part Number	Identifier of the particular part design	
1.7.4	3-L	Estimated life	Estimated life of item in operation according to operational profile	
1.7.5	3-L	Measurement base	E.g. hours, km, rounds, etc.	
1.7.6	3-L	Life limit criteria	E.g. stated value, inspectoin, etc.	
1.7.7	3-L	Comments		
1.8	**2**	**Maintenance Allocation Chart**	A table representing the maintenance concept of the assembly/system containing (but not limited to) 1.8.1 to 1.8.19	Electronic table in .xls or .xlsx format and one paper copy
1.8.1	3-L	LCN	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.8.2	3-L	Item Name	Name of the item	
1.8.3	3-L	Part Number	Identifier of the particular part design	
1.8.4	3-L	Task type	E.g. lubricate, inspect, calibrate, etc.	
1.8.5	3-L	Task name		
1.8.6	3-L	Maintenance level	According to the overall system maintenance concept	
1.8.7	3-L	Personnel category	E.g. technician, operator etc.	
1.8.8	3-L	Number of persons required		
1.8.9	3-L	Task time	Time used to perform whole task for preventive maintenance and time including troubleshooting, preparation and waiting time, restoration time for replacement, function checks, and system checks for corrective maintenance	Minutes
1.8.10	3-L	Task interval	Only appliccable to preventive maintenance tasks	Daily, Weekly, Monthly, Semi-annually, etc.
1.8.11	3-L	Special tools and test equipment needed		
1.8.12	3-L	STTE name		
1.8.13	3-L	STTE Reference number		
1.8.14	3-L	STTE Quantity		
1.8.15	3-L	STTE Unit of Measure	Regarding quantity	
1.8.16	3-L	Spare parts and consumables name		
1.8.17	3-L	Spare parts and consumables reference number		
1.8.18	3-L	Spare parts and consumables quantity		
1.8.19	3-L	Spare parts and consumables unit of measure	Regarding quantity	
1.10	**2**	**Recommended Spare Parts List**	A table containing (but not limited to) 1.10.1 to 1.10.12	Electronic table in .xls or .xlsx format and one paper copy

1.10.1	3-L	LCN or mothersystem reference	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.10.2	3-L	Item Name	Name of the item	
1.10.3	3-L	Part Number	Identifier of the particular part design	
1.10.4	3-L	Item class	LRU, SRU, DU, DP, consumable, etc.	
1.10.5	3-L	Recommended quantity per item		
1.10.6	3-L	Service period	The length of the service time period the recommended spares quantity applies for	
1.10.7	3-L	Price for one item		
1.10.8	3-L	Price for recommended quantity of items		
1.10.9	3-L	Procurement lead time		
1.10.10	3-L	Minimum order quantity		
1.10.11	3-L	Repair turn around time		
1.10.12	3-L	Failure rate per item	Calculated for 25 degrees Celsius in the Ground Fixed environment defined in MIL-HDBK-217F for failures in the conditions in the operating profile	
1.10.13	3-L	Mean Time To Repair	Total time (sum) of repair time for the item which includes troubleshooting, preparation and waiting time, restoration time for replacement, function checks, and system checks	
1.11	**2**	**Recommended Special Tools and Test Equipment**	A table containing (but not limited to) 1.11.1 to 1.11.11	Electronic table in .xls or .xlsx format and one paper copy
1.11.1	3-L	LCN or mothersystem reference	Logistics Control Number or equivalent breakdown identifyer indicating the part-postion in the system of interest	
1.11.2	3-L	Item Name	Name of the item	
1.11.3	3-L	Part Number	Identifier of the particular part design	
1.11.4	3-L	Used to repair/maintain which item(s)?	Refer to LCN and/or part number	
1.11.5	3-L	Recommended quantity per item		
1.11.6	3-L	Price for one item		
1.11.7	3-L	Price for recommended quantity of items		
1.11.8	3-L	Procurement lead time		
1.11.9	3-L	Minimum order quantity		
1.11.10	3-L	Item use type	Describe if the item is used for maitnenance, repair, etc.	
1.11.11	3-L	Figure reference		
1.12	**2**	**Codification data**	A table containing (but not limited to) 1.12.1 to 1.12.27	Electronic table in .xls or .xlsx format and one paper copy
1.12.1	3-L	KONGSBERG part number (if assigned)		
1.12.2	3-L	OEM/vendor part number		
1.12.3	3-L	OEM/vendor item name		
1.12.4	3-L	OEM/vendor CAGE code		
1.12.5	3-L	NATO stock number (if assigned)		
1.12.6	3-L	Item Name Code (if assigned)		
1.12.7	3-L	OEM/vendor Adress		
1.12.8	3-L	Country of origin		
1.12.9	3-L	Unit of issue		
1.12.10	3-L	Packaging standard		
1.12.11	3-L	Estimated procurement lead time		
1.12.12	3-L	Item length (packaged)		
1.12.13	3-L	Item width (packaged)		
1.12.14	3-L	Item hight (packaged)		
1.12.15	3-L	Item weight (packaged)		
1.12.16	3-L	Figure reference		
1.12.17	3-L	Shelf life		
1.12.18	3-L	Storage characteristics		
1.12.19	3-L	Does item contain batteries?	Describe which	
1.12.20	3-L	Does item contain precious materials?	Describe which	
1.12.21	3-L	Hazard-description		
1.12.22	3-L	Certificates needed in handling of item		
1.12.23	3-L	Technical data	E.g. volt, ampere	
1.12.24	3-L	Susceptible to electrostatic discharge?	Give a short description	
1.12.25	3-L	General characteristics	E.g. functionality	
1.12.26	3-L	Does item have serial number?	Yes or No	
1.12.27	3-L	Is the item repairable?	Yes or No	
2.1	**2**	**Operators Procedures**	Operating instructions shall describe the operation authorized for the operator/crew. Procedures and supporting illustrations shall be prepared so that personnel can prepare the weapon system/equipment for operation, identify and locate operational controls and indicators, and operate the weapon system/equipment safely and efficiently in both normal and emergency conditions. For software, software setup must be included	PDF and MS Word (.docx.)
2.1.1	3-D		Front matter	
2.1.2	3-D		Warning and cautions	
2.1.3	3-D		General information, equipment and Tehory of Operations	
2.1.4	3-D		Operators instructions	
2.1.5	3-D		Trouble schooting Master index	
2.1.6	3-D		Troubleshooting procedures	
2.1.7	3-D		Abbreviation list	
2.1.8	3-D		Rear matter	
2.2	**2**	**Maintenance Procedures**	Maintenance instructions shall be prepared for all items comprising the weapon system/equipment, such as assemblies, subassemblies, components, wiring, junction boxes, and accessories. Tasks shall be presented in the order in which they are performed. Procedural data shall contain a start-to-finish maintenance procedure. Follow-on maintenance that shall be identified and performed after maintenance procedures are completed	PDF and MS Word (.docx.)
2.2.1	3-D		Front Matter	
2.2.2	3-D		General information, equipment and Tehory of Operations	
2.2.3	3-D		Warning and cautions	
2.2.4	3-D		Troubleshooting procedures	
2.2.5	3-D		Maintenance Instructions	
2.2.6	3-D		Parts Information	
2.2.7	3-D		Battle Damage Assessment and Repair	
2.2.8	3-D		Destruction of Equipment	
2.2.9	3-D		Support Information	
2.2.10	3-D		Abbreviation list	
2.2.11	3-D		Rear Matter	

2.3	**2**	**Theory of operation**	Descriptive information with theory of operation shall be prepared for weapon systems, major equipment, components, and applicable support and interface equipment. Controls an indicators shall be described together with physical characteristics, including dimentions and weight, rating/capacity and electrical requirements. Information required to provide the user with a physical description and functionally explain how the weapon system or equipment operates shall be included. For software, Man Machine Interface (MMI) must be documentet with screendumps and related descriptions.	PDF and MS Word (.docx.)
2.3.1	3-D		Front Matter	
2.3.2	3-D		General information, equipment and Tehory of Operations	
2.3.3	3-D		Operators Procedures	
2.3.4	3-D		Maintenance	
2.3.5	3-D		Prep for storage and shippment	
2.3.6	3-D		Equipment Description and data	
2.3.7	3-D		Abbreviation list	
2.3.8	3-D		Rear Matter	
2.4	**2**	**Ilustrated Parts Data**	When secified by the acquiring activity, an indexed parts list illutration and legend shall be added. The indexed part list illustration shall provide an exploded view of the equipment with index numbers pointion to disassembly parts and attatching parts	Texst: PDF and MS Word (.docx.)Illustrations: SVG 1.1
2.4.1	3-D		Introduction	
2.4.2	3-D		Repair Parts List	
2.4.3	3-D		Repair Parts for special Tools	
2.4.4	3-D		Parts List	
2.4.5	3-D		Bulk Items	
2.4.6	3-D		Special Tools List	
2.4.7	3-D		NSN Index	
2.4.8	3-D		Part Number Index	
2.5	**2**	**Wiring and Schemtatics**	CAD/WD/ASSY	SVG 1.1
2.7	**2**	**Illustrations**	Deliver illustrations as separate package in additional implemented illustrations in TM`s	Raster: JPG and/or PNG Vector: SVG 1.1 Color: RGB
2.8	**2**	**Copy regulations**	KDA to be excepted copy regulations for use in KDA Technical manuals	Raster: JPG and/or PNG Vector: SVG 1.1 Color: RGB
2.9	**2**	**Screen Dumps**		JPG and/or PNG