# Quotation Information form

**Applica Test & Certification AS will use the information provided through this form to make sure that correct information is used, estimated and as a base for the quotation.**

**We will also use this document as support for testing and reporting, and therefore ask that you provide as complete information as possible.**

Lines and/or columns can be added to the tables if needed.

Please contact us if you have any questions about this form.

## General information for quotation

Purpose of testing: Select element

If other, please specify: Type here

Please give a quotation for:

Test plan  Design review

Pre-test  Qualifying test

Technical report  Certification and approval of product

Routine for preparation, execution and reporting of project

Transport of EUT to and from test centre  Storage of EUT and AE when not testing

Report on paper (NOK 1.500,-)  Only plots and raw results, no report

One or more representatives of the customer will be present during (parts of) testing

(please list names for pre- registration at the Servicedesk/reseption desk)

## Company information

Company name and address: Type here

Invoice address: Type here

Shipping address (if different from above): Type here

Contact person: Type here

Phone: Type here

Email: Type here

If digital report is to be sent to another email address, please specify: Type here

## Time frame

Preferred start date for testing: Select date

Preferred end date for testing: Select date

Have the EUT been tested previously at ATC, or DNV test centre?  Yes  No

If yes, please specify former report number: ATC or DNV report number.

## Equipment submitted for test

Please provide a *full description* of equipment and area of usage, including the full name and number

of units to be tested.

Click here to describe equipment and area of usage

Designation of the product / Overall designation of **the system**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Make | Type | Serial number | Remarks |
| Type here | Type here | Type here | Type here | Type here |
| Type here | Type here | Type here | Type here | Type here |
| Type here | Type here | Type here | Type here | Type here |

The above will be referred from now as EUT (Equipment under Test).

**Auxiliary equipment** (AE) used in order to operate the EUT:

|  |  |  |  |
| --- | --- | --- | --- |
| AE | Description | Make | Type |
| 1 | Type here | Type here | Type here |
| 2 | Type here | Type here | Type here |
| 3 | Type here | Type here | Type here |

**The EUT** consists of the following units:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EUT Unit# | Description | Name/Make | Type | Serial number | SW ver./other info |
| 1\* | Type here | Type here | Type here | Type here | Type here |
| 2\* | Type here | Type here | Type here | Type here | Type here |
| 3\* | Type here | Type here | Type here | Type here | Type here |

Please maintain the numbering system in the following tables

Information of physical measurement,

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EUT Unit# | Length | Width | Height | Weight | Centre of Gravity\* |
| 1 | Type here | Type here |  |  |  |
| 2 | Type here | Type here |  |  |  |
| 3 | Type here | Type here |  |  |  |

\*for vibration of heavy equipment

Please specify **Performance monitoring.**

Specifications for monitoring

Please specify **Functional testing**.

Specifications for functional testing

Please specify **Acceptance criteria**.

Specifications for acceptance criteria

## Modes of Operations

* Grounded Select here  
  If other, please specify: Type here
* Cooling: Select here

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| EUT Unit# | Name | Power supply Voltage (if multiple, please specify) | Max current | Grounding | Frequency  (50/60 Hz) | Highest internal Frequency  (n/a for maritime standards) |
| 1 | Type here | Type here | Type here |  |  |  |
| 2 | Type here | Type here | Type here |  |  |  |
| 3 | Type here | Type here | Type here |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## The following cables to be tested together with the EUT:

**Testing should be performed with a representative cable for the product, as it will be mounted/installed.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EUT Unit# | Interface type  (e.g. RS, 232, RS485, RJ45 etc.) | Description  (Cat. 5, Twisted pair, etc.) | Cable length | Make/ Type | Shielded/  not shielded |
| 1 |  |  |  |  |  |
|  |  |  |  |  |  |
| 2 |  |  |  |  |  |
|  |  |  |  |  |  |
| 3 |  |  |  |  |  |

## If applicable, please state:

|  |  |  |  |
| --- | --- | --- | --- |
| EUT Unit# | Number of radio interfaces | Type of radio technology | CE marked Radiomodule  (Yes or No?) |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

Please provide a schematic diagram of the EUT /the system to aid in project estimation, and to be included in the report. If possible; pictures of a full configuration of the system and the internal parts of the EUTs to establish a best possible understanding of the system.

(This can also be sent as an attachment).



## Relevant standards and tests

This section must be filled out unless the service “Test Plan” has been ordered.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Standards | | | | |
|  | DNVGL-CG-0339 |  | IACS E10 | |
|  | EN 60945 |  | EN 60533 | |
|  | EN 55032 |  | EN 55024 | |
|  | EN 61000-6-1 |  | EN 61000-6-2 | |
|  | EN 61000-6-3 |  | EN 61000-6-4 | |
|  | EN 61000-3-2 |  | EN 61000-6-X (please specify) | |
|  | EN 61000-4-2 |  | EN 54-X (Please specify) | |
|  | EN 50070 |  | EN 60601-1-2 | |
|  | EN 61326-1 |  | ISO 13628-6 | |
|  | MIL-STD 810 F |  | MIL-STD 810 G | |
|  | MIL-STD 461 E |  | MIL-STD 461 F | |
|  | MIL-STD 167-1 A |  | MIL-STD 461 G | |
|  | EN 5013X-X (Please specify) |  | MIL-STD 1275 B | |
|  | IMO G8 |  | USCG FR §162.060-30 |
|  | ETSI 300 019-X (Please specify) |  | IEC 60529 |
|  | Other (Please specify below ) |  | ETSI EN 301 489-X (Please specify) |

If «other», please specify: Klikk her for å skrive inn tekst.

If testing is to be conducted after standards EN 60945, DNVGL, LR, IACS or EN 55032, please fill out location class in the table below.

|  |  |  |
| --- | --- | --- |
| Society | Parameter | Location |
| DNV | Temperature | Location class: Make a selection |
| Humidity | Location class: Make a selection. |
| Vibration | Location class: Make a selection. |
| Enclosure | Location class: Make a selection. |
| EMC | Location class: Make a selection. |
| GL | All tests | Environmental Category: Make a selection. |
|  | EMC: Make a selection. |
| LR | All tests | Environmental Category: Make a selection. |
| EN 55032 |  | EMC: Make a selection. |

|  |  |  |  |
| --- | --- | --- | --- |
| List of tests to be conducted (if a testplan has been agreed) | | | |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Required preparations before testing

To ensure a correct and effective execution of both testing and reporting it is of great importance that the steps below are performed before the testing starts.

General

* Bring necessary auxiliary equipment
* The test set-up shall be as realistic as possible regarding intentional use, and the same throughout the test period.

Overview of test objects which should be grounded, and how they should be grounded

* Description of parts of equipment, if any, that will be inaccessible to the operator (ESD)
* Procedure for verification of the functions of the test objects
* Description of operating conditions which should be supervised
* It is beneficial if there is a logging function supervising the operating conditions (where continuous visual monitoring is the alternative)
* Criteria for pass/failure

Specific to EMC testing

* Please check that all the test objects will be connected according to the following guidelines:
* All types of ports shall be connected to a cable (except service ports)
* Overview of all connected cables including description, no. of leads, shielded/not shielded, etc.
* The cables shall be the same type as described in the user manual for the equipment
* All connected cables shall be at least 3 meters (unless otherwise specified) in order to facilitate the various EMC tests but no longer than 20 meters. For shielded room tests it is preferable that cables between the equipment under test and auxiliary equipment shall be at least 10 meters long (in order to facilitate the tests with the auxiliary equipment outside the shielded room).
* Units that shall be grounded must have a connected ground lead that is at least 3 meters long
* Termination of cable shields shall be performed according to directions for normal installation
* If signal cables can be more than 30 meters or connected directly to outdoor cables, please contact the test laboratory.

Specific to vibration testing and climate testing

* Cables must be at least 3 meters long
* The unit shall be mechanically complete and correspond to the final product

Specific to insulation testing

High voltage protection fuses must be adapted/removed before this test

**-End of document-**