**Requirement Specification**

**Weather Station**

1. **Requirements**

**1.1. Description of the requirement**

DALO wants to acquire a wireless weather station for use in the Danish Defence. The weather station must include sensors and a monitor for presenting the measurements.

**1.2. Description and definitions**

The requirement specification, cf. section 1.4, describes all the requirements for the acquisition and consists of six columns with the following information:

|  |  |
| --- | --- |
| "#" | ID number |
| "Requirement" | Requirement description |
| "Classification" | The classification of the requirement as further described in section 1.3 |
| "DALO remarks" | Further information regarding the requirement |
| "Requirement compliance" | The tenderer's indication of compliance (YES or NO) |
| "Tender description" | Requirements regarding the tenderer's compliance description  |

**1.3. Classification**

All requirements are mandatory requirements (SHALL) and shall be fulfilled by the tenderer. If just one of the mandatory requirements is not fulfilled, the tenderer's tender will not be taken into further consideration.

**1.4. Requirement and response sheet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Requirement** | **Classification** | **DALO remarks** | **To be filled out be the tenderer** |
| **Requirement compliance****(tick a box)** | **Tenderer's description** |
| **YES** | **NO** |
| **1** | The vendor SHALL supply one weather station | SHALL |  |  |  |  |
| **2** | The weather station SHALL at least measure:* Wind direction / windspeed
* Temperature Out and In
* Humidity Out and In
* Local pressure
* Local Rainfall
 | SHALL |  |  |  |  |
| **3** | The weather station SHALL include one LCD monitor where measured and calculated information shall be presented | SHALL |  |  |  |  |
| **4** | The weather station monitor SHALL present at least the following measured and calculated information:* Local pressure (at least ± 1 HPa accuracy)
* Wind direction (at least ± 3º accuracy)
* Windspeed (at least ± 5% accuracy)
* Temperature Out / In (at least ± 0,5ºC accuracy)
* Humidity Out / In (at least ± 3% accuracy)
* Rainfall (at least ± 4% accuracy)
* Local Time and Date
 | SHALL |  |  |  |  |
| **5** | The connection between the sensors and the weather station monitor SHALL be wireless | SHALL |  |  |  |  |
| **6** | The weather station SHALL be delivered with a solar panel and sensor radiation protection  | SHALL |  |  |  |  |
| **7** | The delivery time SHALL be less than 30 days from submission of the purchase order | SHALL |  |  |  |  |