

Information Memorandum 1

Pertaining to: **Doppler Wind LIDAR**
Date: **03-02-2022**



Ministerie van Infrastructuur
en Waterstaat

Number	Document	Question
1	Appendix 5 Programme of Requirements - 11.1.	The instrument(s) must be able to operate on a commercial power supply 230 VAC $\pm$ 10%, 45-60Hz single phase or three phases. European standard EN 50160 is applicable. - Typically European mains power frequency is very stable and devices are specified for $\pm$ 3Hz deviation for nominal frequency (50Hz). In this sense we think requirement of 45Hz is too low value. Would you accept to change this to 47Hz...60Hz?
	Answer	Yes, 45-60Hz can be changed to 47-60Hz.

Number	Document	Question
2	Appendix 5 Programme of Requirements - 11.2.	The instrument(s) must be complaint with electric safety norm DIN-EN 60204 and the NEN 1010:2015 standard. - EU Radio Equipment Directive 2014/53/UE sets harmonized standards for measuring equipment used in industrial environment, and wind lidar belongs to this category. Applicable harmonized standard for electrical safety is EN61010-1 which is covering electrical safety requirements in EN60204. NEN 1010:2015 on the other hand relates to working safety and fixed installations of the local power grid, and is not seen applicable for wind lidars. Would it be acceptable to have compliance to EN 61236-1 instead of the mentioned standards?
	Answer	Standards equivalent to the required to the safety norm DIN-EN 60204 and the NEN 1010:2015 are acceptable. The Tenderer should explain the equivalence of those standards.

Number	Document	Question
3	Appendix 5 Programme of Requirements - 13.7.	The instrument(s) must comply with EMI/EMC standards for industrial environments. European standards EN50081-1 and EN50081-2 are applicable. - EU Radio Equipment Directive 2014/53/UE sets harmonized standards for measuring equipment used in industrial environment, and wind lidar belongs to this category. Applicable harmonized standard for EMI/EMC is EN 61236-1. EN50081-1 and EN50081-2 are outdated standards and the requirements are covered in EN 61236-1. Would it be acceptable to have compliance to EN 61236-1 instead of the mentioned standards?
	Answer	Standards equivalent to the (outdated) norms EN50081-1 and EN50081-2 are acceptable. The Tenderer should explain the equivalence of those standards.

Number	Document	Question
4	Appendix 5 Programme of Requirements - 15.1.	The instrument(s) is able to operate unattended for at least 6 months. - Is it acceptable that possibly small activities like drying agent (desiccant) replacement or washer liquid refill is required during those 6 months?
	Answer	No.

Number	Document	Question												
5	Appendix 5 Programme of Requirements - 18.2.	The instrument(s) will be delivered within a shorter period of time than 6 months after signing the contract. - What is the pointing criteria for this requirement?												
	Answer	<table><tr><th colspan="4">Programme of Requirements, number 18.2</th></tr><tr><td>Delivery within 6 months</td><td>Up to 3 months</td><td>3 to 4 months</td><td>4 months and up</td></tr><tr><td>Awarded points</td><td>3</td><td>2</td><td>1</td></tr></table>	Programme of Requirements, number 18.2				Delivery within 6 months	Up to 3 months	3 to 4 months	4 months and up	Awarded points	3	2	1
Programme of Requirements, number 18.2														
Delivery within 6 months	Up to 3 months	3 to 4 months	4 months and up											
Awarded points	3	2	1											

Number	Document	Question
6	TN340764 - SF02 Aankondiging van een opdracht 20220112114630 and Deceptive Document.	Would it be possible to move the bid submission deadline by 2 weeks?
	Answer	No, moving the deadline impacts the overall project timeline which is undesirable for KNMI. Can Tenderer provide the reasons for needing a later bid submission deadline so these can be considered by KNMI?

Number	Document	Question
7	Appendix 1 Concept Agreement - Page 3 Section 4.3	The current tender does not offer a down payment. We would like to advise that it is common for this sector of industry to invoice 30% down payment. Is it possible to adjust the payment conditions that the successful bidder receives an initial payment of 30%?
	Answer	We are currently looking at the possibility but haven't received a definitive decision yet. This question will be answered at a later time and at the latest at the second Information Memorandum.

Number	Document	Question
8	Appendix 1 Concept Agreement - Page 3 Section 3.3	The project duration is specified with 6 months (19/04/22 to 18/10/22). Every day later a penalty of 0.1% of the price of the product (up to 10%) are payable. Due to Covid-19 the logistic chains are still disturbed. Hence, the lead time of the lidar sub-supplies are difficult to predict. Of course, we would do everything what's possible to speed up the procurement process. Nevertheless, we would like to ask if an extension of the project duration is possible? If not, please kindly reconsider a possible mitigation of the penalty payment terms?
	Answer	If delivery within 6 months proves to be impossible due the reasons beyond the suppliers control, exemption of the penalty can be requested and will be evaluated by KNMI. Exemptions will only be considered if Contractor provides proof of the reasons beyond their control.

Number	Document	Question
9	Appendix 5 Programme of Requirements Requirement 2,4	An arbitrary scan pattern, changing azimuth and elevation at the same time, is required. How is this scan supposed to be displayed or is it to be displayed at all?
	Answer	The requirement describes the possibility of executing an arbitrary scan pattern using the system, not the visualisation of such scan pattern. For scans with unique and monotonic azimuth directions, a PPI display is to be used. For scans with non-unique and/or non-monotonic azimuth directions, a 3D-plot would be the appropriate method of visualisation. Such 3D-plot is not mandatory, but we encourage the supplier to include such visualisation technique in the offered software (sub-award criterion 4).

Number	Document	Question
10	Appendix 5 Programme of Requirements Requirement 2,7	With respect to attenuated backscatter: How shall the absolute accuracy of 10% be proven?
	Answer	Requirement 2.7 mentions the relative accuracy, not the absolute accuracy. The relative measurement accuracy could be demonstrated by a comparison with a collocated reference instrument (such as a backscatter lidar or a ceilometer with backscatter capabilities) or a comparison between multiple Doppler lidar instruments. Another possibility is to provide information on the underlying algorithm to derive this output, including a uncertainty analysis.

Number	Document	Question
11	Descriptive Document Page 31	On page 31 of the Descriptive Document it is mentioned that there is attached an "Appendix 3 - European Single Procurement Document". When downloading the tender documents we only found the document: "uea_340764_20220111153805" which is the ESPD in Dutch language. Is it possible that you provide this document in English language so that we can fill in the English version?
	Answer	By using the xml version of the ESPD through the link, the questions can be translated to English. The ESPD is created using the interactive module in TenderNed. The module generates an XML file and a PDF file of the ESPD. Both files are automatically added to the tender documents, which is why the names are different than mentioned in the Descriptive document. Tenderers should receive/see a link on their dashboard in TenderNed, with which they can complete and save the ESPD.

Number	Document	Question
12	Appendix 1 Concept Agreement - Page 5 Section 6.9	We understand that a penalty payment becomes due in case the system availability of 95% cannot be achieved during the warranty period. Assuming that the lidar will be placed in the restricted apron area, is a quick physical access by service technician ensured? Is access & security clearance organized by the customer? Is it correct that any delays due to access restrictions will not be accrued to the down time?
	Answer	The 95% availability applies during the whole contract period, not only the warranty period. KNMI indeed arranges access and security clearance. If necessary, Contractor and Contracting body will establish acceptable timeframes for arranging the access and security clearance after the final award of the Contract. If Supplier considers downtime caused by access restrictions they can request this time not to be accrued while providing proof this is the case.

Number	Document	Question
13	General	In general, what about travel restrictions due to pandemic constraints? Will these restrictions be considered and addressed in a mutual consent in order to mitigate these impacts?
	Answer	Yes. When supplier provides insight in pandemic constraints, impact will be mitigated in mutual agreement.