



Danish Defence Acquisition And Logistics Organization

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Tender for Energy Dispersive Spectroscopy (EDS) detector

Question submitted	Answer	Date of answering
<p><i>Question no. 1:</i></p> <p>Typically on a Zeiss EVO LS25 you will find 10 mm², 30 mm² or in rare cases perhaps maximum 60 mm² detectors installed. Why is an expensive super-large (80 mm² or more) detector required? Is it a minus if a 60 mm² detector is offered? If yes, is there a bonus if a 100 mm² detector is offered?</p>	<p>A detector with an area of at least 80 mm² was specified based on our need for a detector capable of performing gun shot residue analysis and particle analysis within a reasonable timeframe.</p> <p>An offer for a 60 mm² detector is not conditional and will be discarded.</p> <p>An offer for a 100 mm² is conditional and will be evaluated based on the same criteria as any other offer. The criteria is price.</p>	11-SEP-2018
<p><i>Question no. 2:</i></p> <p>Could you elaborate why a motorized retraction system for the detector is needed?</p>	<p>A motorized retraction system is needed when large and irregular objects is introduced into the sample chamber and the EDS detector needs to be retracted to prevent any collision damage.</p>	11-SEP-2018
<p><i>Question no. 3:</i></p> <p>The tender requires software for automated particle analysis. Yet no software is required to control the SEM stage. Could you please comment?</p>	<p>For the purpose of this tender "automated particle analysis" is understood as the ability of a software to recognize individual particles, estimate their size and chemical class. The particle analysis only needs to be done on a single static frame, thus software control of the SEM stage is not a requirement.</p>	11-SEP-2018
<p><i>Question no. 4:</i></p> <p>The tender requires: "The detector window shall be opaque to light". However, no detector on the market can comply with that unless a beryllium window is offered, which conflicts with the requirement to be able to analyze down to Carbon.</p> <p style="text-align: right;">(...)</p>	<p>The requirement: "The detector window shall be opaque to light" shall be understood as the: "The detector window shall be opaque to the small amount of light generated through cathodoluminescence.</p>	11-SEP-2018

<p>(...)</p> <p>All detectors are opaque to the small amount of light generated through cathodoluminescence, but no detector is opaque to e.g. daylight. Could you please comment?</p>		
<p><i>Question no. 5:</i></p> <p>In the tender conditions is written: "Similar products, able to fulfill the same requirements / needs and of an equivalent quality, can therefore also be offered". Does this apply to any "shall" requirement in the tender</p>	<p>Yes, but the tenderer must prove that the products are comparable.</p>	<p>11-SEP-2018</p>
<p><i>Question no. 6:</i></p> <p>Will a 60mm² detector area be acceptable</p>	<p>Requirement #12 An offer for a 60 mm² detector is not conditional and the offer will be discarded.</p>	<p>11-SEP-2018</p>