

Clarifications #1

Reference: RFQ 49326-2-LB

Date: 2021-09-29

SUBJECT: Unmanned Airborne Vehicle based Gamma Spectrometer

Nr.	Question/Comment Bidder	IAEA Response
1	As part of the specification requirement, it states [that] a laser or radar altimeter is required. Is Real Time Kinematic GPS accuracy sufficient (+/-5cm) or do we need to integrate one of the specified?	The laser or radar altimeter (any other principle) is required to measure the real-time altitude (height) of the flight above the terrain for the possibility of recalculating the dose rate or other data to the ground level. Real Time Kinematic GPS does not provide this information.
2	The specification doesn't list radiological mapping accuracy. We can offer a scintillator with SiPM for reduced weight which gives reasonable results with the <i>[product name removed]</i> mapping software, but we can also offer a very large CZT (1500mm ³) with Compton imaging capabilities for improved resolution. Is that of value or are you not so interested in localizing the source?	<p>The accuracy of radiological mapping usually depends on the survey height above the ground and is therefore not reported.</p> <p>The System is defined for general radiological mapping, not just for radioactive source localization. Regarding the detector type, see par. 3.2.27 in the Specifications.</p>