

ATS SEGMENT II - ARMOR RANGES

Clarifications to all offerors for pricing purposes: (Note: These summaries were written to clarify the basic types of equipment and what must be included with each. For the various types of ranges, they also clarify the USG installed items. If there are any discrepancies between this information and that contained in the solicitation [to include the Performance Descriptions], the solicitation shall prevail.)

For all devices: The USG shall provide the emplacements as specified in the COE documentation (HW and RF), including the defined power and communications wiring for HW ranges only. For HW and RF ranges, the contractor shall install all equipment. For LWP ranges, the actual installation is not included, but the equipment shall be fully capable of meeting all performance requirements after installation on a temporary range by government personnel.

SIT – Includes the lifter, a 3D target and any other ancillary items required to install, power, communicate with and operate the device in accordance with the performance description and as directed by the RCS.

DSIT– Includes the lifter, two 3D targets and any other ancillary items required to install, power, communicate with and operate the device in accordance with the performance description and as directed by the RCS.

MIT - Includes the lifter, mover, track or rail (if used), a 3D target and any other ancillary items required to install, power, communicate with and operate the device in accordance with the performance description and as directed by the RCS.

SAT - Includes the lifter and any other ancillary items required to install, power, communicate with and operate the device in accordance with the performance description and as directed by the RCS.

MAT - Includes the lifter, mover, track or rail (if used) and any other ancillary items required to install, power, communicate with and operate the device in accordance with the performance description and as directed by the RCS. Ballast IAW the COE design will be provided by the Government for contractor installation. For pricing purposes there will be a bunker (actual installations may or may not include a bunker).

GENERATORS (if used) - For pricing purposes (to include Operation and Support Costs) offerors proposing use of generators are to price “Diesel” generators in their offer. Any available alternatives will be stated and priced at the delivery order stage.

Hardwire Ranges:

Range Control Station includes all items identified in paragraph 3.4 of the performance description (range control computer, printer, UPS and software) and any ancillary equipment required to make the range fully operational IAW the requirements of the performance description. The USG provides the tower with climate control and the power to the tower. The USG installed control lines run from a box at the base of the

tower to the individual pits, or, based on the range layout, some wires may run to an intermediate downrange junction box and from there to the individual pits. The wires into and out of the junction boxes are tagged but not connected to each other. For further information see the COE manual.

Radio Frequency Ranges:

Paragraph 3.2.1 requires all receivers and transmitters to be in the 138 to 160 MHz or the 406 to 420 MHz bands, with the actual band to be specified for a particular range. This applies to all receivers and transmitters, even those used for short-range transmission on an RF range. The range must operate in accordance with the performance description using a single frequency for any range with up to 512 independently identified target mechanisms and communication distances of up to 8 km. A single frequency design must be available and priced, however alternative designs that use more than one frequency or short-range radios using frequencies not requiring licensing may be proposed as options for use on ranges where such choices are allowed. Any available alternatives will be stated at the delivery order stage.

Range Control Station includes all items identified in paragraph 3.4 of the performance description (range control computer, printer, UPS, software and a HHC) and any ancillary equipment required to make the range fully operational IAW the requirements of the performance description. The USG provides the tower with climate control and power to the tower.

Range Control Station w/ extra HHC includes all of the above plus a second HHC.

2 HHC – This is a range operated solely by the HHC; no tower/power is available. This configuration includes 2 HHC and any equipment required to make the range fully operational IAW the requirements of the performance description.

LWP Ranges:

Paragraph 3.2.1 requires all receivers and transmitters to be in the 138 to 160 MHz and the 406 to 420 MHz bands, with transceivers for both bands installed in all delivered items. This applies to all receivers and transmitters. The range must operate in accordance with the performance description using a single frequency for any range with up to 512 independently identified target mechanisms and communication distances of up to 8 km.

Range Control Station includes all items identified in paragraph 3.4 of the performance description (range control computer, software and a HHC) and any ancillary equipment required to make the range fully operational IAW the requirements of the performance description.

Range Control Station w/ extra HHC includes all of the above plus a second HHC.

2 HHC – This is a range operated solely by the HHC; no tower/power is available. This configuration includes 2 HHC and any equipment required to make the range fully operational IAW the requirements of the performance description.

Performance Description Changes:

Radio Frequency:

Paragraph 3.2.1, add to the end: “The range must operate in accordance with the performance description using a single frequency for any range with up to 512 independently identified target mechanisms and communication distances of up to 8 km. A single frequency design must be available, however alternative designs that use more than one frequency or short-range radios using frequencies not requiring licensing may be proposed as options for use on ranges where such choices are allowed.”

Light Weight Portable:

Paragraph 3.2.1, add to the end: “The range must operate in accordance with the performance description using a single frequency for any range with up to 512 independently identified target mechanisms and communication distances of up to 8 km.”

(Requirement for diesel fuel):

Hardwired:

Paragraph 3.2.25 Supplemental Power Supply/Storage, add bullet:

- If internal combustion engines are used to provide supplemental power, they shall utilize diesel fuel unless otherwise specified at the delivery order stage.

Radio Frequency & Light Weight Portable:

Paragraph 3.2.32 Regeneration Devices, change as follows:

From: “... More than one type of regeneration device (i.e. solar cells and/or generators using gasoline or diesel fuel, depending on the site) may be required to support range operation over these varying conditions. ...”

To: “... More than one type of regeneration device (i.e. solar cells and/or generators using gasoline or diesel fuel, depending on the site) may be required to support range operation over these varying conditions. If devices using fossil fuels are proposed, diesel fuel devices must be available and the primary solution. Acceptable alternatives will be stated at the delivery order stage. ...”