

**M67854-10-R-2232**  
**USMC-Sponsored GBAD Capability Demonstration (USGCD)**

<b>Q&amp;A Number</b>	<b>Industry Questions and Government Answers To Pre-Solicitation Notice dated 11 August 2010</b>
Q1	Overall Strategy/Philosophy. What are the Government's expectations with respect to this solicitation and contractor participation in Black Dart 2011?
A1	The requirements for the Black Dart (BD) event are delineated in the Statement of Work (SOW).
Q2	Overall Strategy/Philosophy. Is the expectation only systems that meet, at a minimum, 100% of the threshold requirements need apply/will be considered or is the intent to collect data on the current state of technology to help formulate/validate requirements?
A2	Contractors shall meet 100% of the threshold requirements. In addition, we are continuously performing market research for data on the current state of technology.
Q3	Overall Strategy/Philosophy. Based on experience, the cost and time required to achieve and demonstrate 100% specification compliance far exceeds "\$300K" and "1 year". If something more than planning for and participating in Black Dart 2011 and reporting results is expected, a higher level of funding would need to be offered.
A3	The Contractors selected to participate at BD will each be awarded contracts at an amount not to exceed \$300,000.
Q4	Pre-solicitation synopsis. Please define "on-site C2"
A4	This means that the system will be capable of accepting a cue or fire control quality data from an outside source.
Q5	Pre-solicitation synopsis. Please define "tactical launch platform"
A5	Mobile: able to keep up with the maneuver force.
Q6	Pre-solicitation synopsis. How will UAS targets be "assigned"?
A6	This will be figured out during the planning conferences; however, they are very accommodating and will work with all vendors.
Q7	Pre-solicitation synopsis. What UAS targets will be provided/assigned and how many?
A7	This is currently unknown. We will not know until the planning conferences start. Last year we had over 10 different types. There were plenty of opportunities on every target last year.
Q8	Pre-solicitation synopsis. Will a draft test plan be provided with the RFP?

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A8	A test plan will be provided after contract award.
Q9	Statement of Work. What is the "Black Dart and Control System (BDCS)"?
A9	This section of the SOW has been revised to: "the demonstration of interoperability of the USGCD with both the Control System (CS) and a tactical launch platform"
Q10	Statement of Work. States at least one (1) contractor owned end item prototype system to be delivered for demonstration. If more than one system, must it be the same system?
A10	Negative.
Q11	Statement of Work. System will be retained by the contractor following the demonstration and not delivered to USG?
A11	Yes, for this effort the Government is not procuring a system, only funding the contractor to demonstrate the capabilities of its contractor-owned system.
Q12	Statement of Work. Is it acceptable to utilize an existing system that is government owned?
A12	Yes, however the responsibility and logistics of obtaining a government-owned system remains with the contractor.
Q13	If current DoD inventory weapon use is proposed, would they be provided GFE?
A13	The responsibility and logistics of obtaining a government-owned system and Government furnished equipment remains with the contractor. MCSC will not be facilitating GFE at the demonstration.
Q14	Statement of Work. Will Marines operate the system at Black Dart?
A14	No, the contractor is responsible for management, logistics and operation of the contractor-owned system.
Q15	Statement of Work. CAIV (3.2.2.1) - is there a deliverable?
A15	Yes, as stated in 3.2.2.1, the contractor will estimate the unit procurement cost for a complete system and deliver the estimate to the government in the final report.
Q16	Statement of Work. Is there a target cost for production units (3.2.2.1)?
A16	We do not have one at this time.

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Q17	Statement of Work. Risk management (3.2.2.2) - is there a deliverable?
A17	Yes. The contractor shall deliver a risk management plan two weeks after a rough test plan and rough schedule of events is provided. The contractor shall update the plan as necessary and provide a copy to the government.
Q18	Statement of Work. Program schedule (3.4.1) - is there a deliverable?
A18	The contractor shall deliver a program schedule two weeks after a rough test plan and rough schedule of events is provided. The contractor shall update the schedule as necessary and provide a copy to the Government. The contractor shall notify the Government immediately when there is a change to the program schedule.
Q19	Statement of Work. Will the performance period be "one (1) year" or "contract award to 30 September 2011"?
A19	Will be for one year.
Q20	Statement of Work. What are the "government approved profiles" (3.5.3)?
A20	These are currently unknown until the final planning conference.
Q21	Statement of Work. Is modeling and simulation deliverable?
A21	Yes if 3.5.3.1 in the SOW applies.
Q22	Statement of Work. Please provide government approved format for final report.
A22	Microsoft Word for Office 2003/2007-compatible format using 10 point font or larger for the primary deliverable. In addition, Microsoft Power Point 2003/2007-compatible format can be used in addition to the word document.
Q23	Are log books (3.5.5) deliverable?
A23	Yes, the contractor shall maintain and retain log books for Government viewing as delineated in SOW 3.5.5.
Q24	Statement of Work. Are support systems (3.6) deliverable?
A24	The Contractor shall supply the government with a written document detailing support system requirements no later than 60 days prior to the beginning of the demonstration. Support system requirements are items such as generators, wireless/wired network

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	equipment, etc. Support system equipment may be provided by the Government if available on site, otherwise the Contractor shall be responsible for all support system requirements for the USGCD.
Q25	Performance Specification. Please identify USMC Program of Record (POR) data radios - Will they be furnished GFE?
A25	The current POR data radio is the 117G. The government may bring radios to the demonstration. In the event the Government does not bring radios, the contractor is still required to and shall demonstrate their system is capable of using the radios.
Q26	Performance Specification. Will datalink message format ICD be furnished with RFP?
A26	Currently, our POR utilizes Link 16 JREAP A, B, or C.
Q27	Performance Specification. Are performance specifications listed in the order of importance?
A27	Negative.
Q28	Performance Specification para 3. Is a system larger than the threshold volume acceptable if there is a path for obtaining the threshold requirements in future development?
A28	The specification will be changed and will refer to a HMMWV-like system so as not to restrict it to just HMMWVs. The Threshold volume must be met or the contractor's solution will not be considered for award.
Q29	Performance Specification para 5. Do the self-destruct specifications pertain to non-kinetic energy effectors?
A29	The system shall be capable of self or command destruction. This is not limited to the non-kinetic energy effectors.
Q30	Performance Specification para 6. Is there a specification for negation time? Is a timeline of 1 min acceptable? Is a timeline of 5 min acceptable?
A30	There is no specification requirement for negation time.
Q31	Performance Specification para 7. Is the threshold negation range of 7km an absolute requirement? Will less capability be considered?
A31	7 km is a firm requirement and less capability will not be accepted. In addition, the Specification paragraph 7 will be revised to the following:  a. (T) System shall be capable of a minimum range at target intercept of 7 kilometers from the launch platform.

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	b. (O) System shall be capable of a minimum range at target intercept of 20 kilometers from the launch platform.
Q32	Performance Specification para 10. Will detailed information about the threat set (UAS, cruise missiles, and rotary and fixed wing aircraft) be provided?
A32	Not at this time.
Q33	Does the demonstration unit have to be a complete air defense system, to include a kill or negation capability?
A33	Yes, see Specification requirement under paragraph 6.
Q34	May the demonstration unit be comprised of an identification/tracking solution and an interface to a kill or negation capability?
A34	Yes but the contractor shall provide the system to interface with in order to demonstrate the capability.
Q35	Does the proposed system have to be vehicle mounted for the demonstration?
A35	No, the system does not need to be vehicle mounted for the demonstration; however, it shall have the capability to be mounted on a HMMWV-type vehicle.
Q36	The pre-solicitation provides the size and weight of the integrated vehicle and GBAD system. However, we were not given the size and weight of the HMMWV configuration the system would need to mount on, thus we cannot calculate the acceptable size and weight limits of the GBAD system. Can the USMC provide the size and weight objectives for the system?
A36	The specs in the Specification sheet show the restrictions for a C-130. The system needs to fit on a Tactical Wheeled Vehicle. The current weight restrictions for the system shall be as follows: (T) <5,700 lbs and (O) <5,000 lbs
Q37	Information about the types of fire control and radar systems the system should be compatible with.
A37	All U.S. Integrated Air and Missile Defense (IAMD) Family of Systems (FoS).
Q38	Need more information about requirements and/or types of non-organic sensors that are referenced.
A38	Currently there is no designated non-organic sensor assigned to the Low Altitude Air Defense Community. The system must be capable of operating with some type of non-organic sensor.

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Q39	What are the USMC prime mover platforms of the Low Altitude Air Defense battalions?
A39	The current prime mover platform is a HMMWV.