

Request for ATEC Experiments Support Form

SYSTEM NAME (Long Title or Nomenclature): This is the full name of the system that ATEC services are being requested for. Examples include:

- Abrams M1A2 System Enhancement Package (SEP) Main Battle Tank (MBT) v2
- Bradley Fighting Vehicle System A3
- Joint Light Tactical Vehicle
- Warfighter Information Network-Tactical Inc 2

1.0 SYSTEM ACRONYM (Short Title): This is the abbreviated name of the system that ATEC services are being requested for. Examples include:

- 1.1 Abrams M1A2 SEP v2
- 1.2 Bradley M2/M3 A3
- 1.3 JLTV
- 1.4 WIN-T Inc 2

2.0 SYSTEM DESCRIPTION: Describe the system configuration, to include any platform integration (i.e. a radio to be installed on a Stryker). Identify key features and subsystems to include hardware and software.

3.0 System Photo: Include a characteristic photograph of the system.

4.0 What experiment are you participating in? These are events where commercial vendors and DoD organizations showcase emerging technologies. Experiments and demonstrations are typically conducted by the U.S. Army Research and Development Command (RDECOM), or the U.S. Army Training and Doctrine Command (TRADOC). Systems selected to participate in experiments will require an AEC Safety Release.

5.0 ATEC Safety Release: Has an ATEC Safety Release been issued for the system in the past? A Safety Release is a formal document issued by AEC before any hands-on testing, training, use or maintenance by Soldiers. A Safety Release is issued for a specific event at a specified time and location under specific conditions. A Safety Release is a stand-alone document that indicates the safe operating limits and describes the specific hazards of the system.

6.0 Describe the environment that the system will be used in: ATEC will assess the synergism of the system's capability and its capacity to support the receiving unit's mission(s) within the expected operational environment and conditions. Some examples of environment are natural, electronic, and threat for operational employment of the system considering organization, doctrine, tactics, survivability, vulnerability, and threat

(including countermeasures; initial nuclear weapons effects; nuclear, biological, and chemical contamination threats).

6.1 What are the anticipated climatic conditions? This information is needed to ensure that the system is tested under the environmental conditions likely to be found where the system will be used. These include: extreme temperatures, humidity, solar radiation, rain, snow, icing, wind, blowing sand, dust, etc.)

6.2 What are the anticipated electromagnetic effects the system will face? This information is needed to ensure that the system will function properly in a harsh electromagnetic environment. Operational forces must also have assurance that Radio Frequency exposure to personnel, fuel, and ordnance has been tested and that adequate separation distances from the source have been established. Areas of consideration include: Electromagnetic Compatibility, Electromagnetic Interference, Radiation Hazards (RADHAZ), and Electrostatic Discharge. There are three classes of RADHAZ: Hazard of Electromagnetic Radiation to Personnel (HERP), Hazard of Electromagnetic Radiation to Fuel (HERF) Hazard of Electromagnetic Radiation to Ordnance (HERO).

7.0 How will the item, be used and by whom? This is a brief description of how the device will be used when deployed and the type of unit that will be receiving the equipment.

7.1 Describe a typical Mission scenario for the item. This should be a time phased description of the operational events (equipment usage and environments) an item will experience from the beginning to end of a typical mission scenario.

7.2 What type of Unit will be receiving this equipment? Will the system be equipped to an armor, infantry, or airborne unit?

7.3 What type of training will be provided to the Soldiers? Examples include: classroom, computer based training, vendor demonstration, simulator, hands-on system training, etc.

8.0 Safety Documentation:

8.1 What are the system hazards and control methods? This information is usually found in a Safety Assessment Report (SAR) or similar safety assessment document. System hazards include such things as hazardous substances, radiation, high noise levels, excessive weight, electrical shock, and moving parts. The control methods include Material Safety Data Sheets, hearing protection, lifting provisions, etc.

8.2 Specification sheets and/or technical characteristic data. The Specification is a document that summarizes the performance and other technical characteristics of the system. This can be in the form of a white paper, system drawings, or

other engineering documents. It is expected to be more detailed than marketing information.

8.3 Has a Safety Release been issued in the past? Note that a SR is issued only for a particular event (i.e. Operational Test of the XYZ System) and expires at the completion of that event unless otherwise extended. If ATEC has previously issued a Safety Release for the system, a new Safety Release can usually be expedited.

8.4 Are there any previous test data/reports or other program documentation? ATEC will consider all valid data sources, to include vendor testing and data from other DoD or Government agencies. This reduces what must be tested and allows quicker completion of SR.

9.0 Administrative Information:

9.1 Sponsor POC: The sponsoring organization is typically the source of funding for the T&E services being requested. Who is the sponsoring organization (e.g., Industry, Rapid Equipping Force, RDECOM, etc.).

9.1.1 **Organization:** Name of sponsoring organization/company

9.1.2 **POC:** Name and Title of the individual to be contacted

9.1.3 **Phone Number:** Office phone number of the POC

9.1.4 **E-mail:** email address of POC

9.2 Customer POC: Who is the customer requesting the support, if different from the Sponsor.

9.2.1 **Organization:** Name of sponsoring organization/company

9.2.2 **POC:** Name and Title of the individual to be contacted

9.2.3 **Phone Number:** Office phone number of the POC

9.2.4 **E-mail:** email address of POC

10.0 T&E Support Schedule Details:

10.1 Test Start date: This is the earliest date that the system will be available if testing is required

10.2 Test End date: This is the latest data that the system will be available to complete testing.

10.3 ATEC Product delivery date: This is the date that you need the required ATEC documentation to support the experiment