

# Human Systems Project Data Input Checklist

Updated 1/22/2013

*\* indicates a required field*

The following is an overview of the individual inputs that will be requested as well as the data type and length of allowed responses.

## Step 1: Login Information

\*To input your Human Systems project into the Defense Innovation Marketplace, you will need a PIN(<https://www.defenseinnovationmarketplace.mil/input/requestpin.htm>) .

### What is a PIN?

A PIN is a unique number that links your organization to your CAGE code and allows you to input project data into the Defense Innovation Marketplace.

### Lost Your PIN?

You already have a PIN for submitting Human Systems data? [Contact us](#) to have your unique PIN resent to you.

### Not sure about CAGE codes?

Visit [www.dlis.dla.mil/bincs](http://www.dlis.dla.mil/bincs) to learn how to obtain one.

## Step 2: Organization Information

### \*Organization Division

Please select the division of your organization that is responsible for this Human Systems project. If no division is applicable, select the organization name.

## Step 3: Human Systems Project Information

### \*Project Title / Topic Title

Enter the title of your Human Systems project. Please spell out any acronyms used. (*240 Alpha Numeric Characters*)

## **Project Number**

Enter the unique identifier your firm uses to track this project. *(30 Alpha Numeric Characters)*

## **\*Status of Effort**

If this is a new effort, select "New Start." If the effort has been reported in the past, select "Follow On". If the project has been completed, select "Completed." *(Radio Buttons Provided)*

## **Length of Project**

To help us understand the scale and depth of your human systems project effort, please provide how long your project has been funded, *(in months, up to 3 Numeric Characters)*

## **\*Project Funding**

To help us understand the scale and depth of your human systems project effort, please provide the approximate expenditures on this project, *(in thousands, up to 8 Numeric Characters each)* for:

- The total expended in prior year(s) (required for *Follow-on* and *Completed* projects)
- The amount budgeted to be spent this current year (required for *New*, *Follow-on* and *Completed* projects)
- The anticipated amount to be spent on the project in the next year (required for *New* and *Follow-on* projects)

*Note: \$150,000 would be entered as 150.*

## **\*Defense Technology Subareas and Keywords**

The Human Systems Defense Technology Area (DTA) is broken into four Sub DTAs. Select the Sub DTA and Subarea Keyword which best characterizes your Human System Project. Additional Subarea Keywords may be selected.. The keywords are listed by Sub DTA for your reference. (APPENDIX A) *(For maximum visibility, you may select up to 10 keywords within or outside the Subarea you selected.)*

If you want to add keyword(s), please include in the "Other Keywords" field. A keyword can consist of a single word or a phrase with several words. Each single word or phrase should be separated by a comma. *(Up to 250 Alpha Numeric Characters)*

## **Technology Gap**

If your project addresses a technology gap or area of need, you have the option of selecting one from a pre-existing list. *(Pull Down)* (APPENDIX B)

## Targeted DoD Organization(s)

Select the applicable DoD Organization(s) this project would transition to upon completion. You may also type in the name of a specific organization in “Other” if not previously listed. *(Pull Down)* (APPENDIX C)

### \*Technology Readiness Level (TRL)

The [TRL](#) is used to evaluate the maturity of evolving technologies (materials, components, devices, etc.) before that technology is incorporated into a system or subsystem. You will be asked to select from TRL levels 1-9 that your project is expected to reach when your organization stops funding it. *(Pull Down)*

## Human Systems Project Summary

### \*Project Summary

Provide a 1-2 sentence summary of your project to be used as a snapshot description included in search results. *(Up to 1,000 Alpha Numeric Characters)*

### \*Project Description

Please respond to each of the questions to ensure your project has visibility with DoD searchers.

- What problem are you trying to solve? *(Up to 1,000 Alpha Numeric Characters)*
- What is new about your approach over current state of the art? *(Up to 2,000 Alpha Numeric Characters)*
- If you succeed, what difference will it make? *(Up to 1,000 Alpha Numeric Characters)*
- What new capabilities will it provide for the Department of Defense? *(Up to 1,000 Alpha Numeric Characters)*

✓ **ABC:** When selected, the spelling icon will have the system check the spelling within the specific field.

## Project Documents

If you are uploading project files, PDF and Microsoft Office file types are preferred. Classified attachments are NOT permitted. If your attachment contains company proprietary data, each document must be marked PROPRIETARY. *(UP TO 5 Attachments; MAX 15 MG Bytes Each)*

## Step 4: Add Key Contacts

### \*Contact Information

List name(s) and contact information (phone and email) of the individual(s) who input the data into the site and the responsible or subject matter experts for the research project. Multiple organization contacts are encouraged to be listed per project.

## **Step 5: Review Your Entry and Submit**

Before record submission, please review content and **PRINT** a copy for your files. For security reasons, once the project is submitted, you will not be able to view your record. If you have a change, contact: [comments@defenseinnovationmarketplace.mil](mailto:comments@defenseinnovationmarketplace.mil) and reference the specific Human Systems Record number, Title and Project Number provided to you for the project submitted. A Marketplace administrator will contact you to make necessary adjustments or delete the record entirely.

**NOTE: No classified information should be entered into the Marketplace.**

### **APPENDIX A: Human Systems Keywords**

#### **System Interfaces**

- Human-Machine Interfaces
- Human cognitive process modeling
- Decision-making models
- Human state modeling
- Applied Neuroscience
- Trust
- Metrics & measures of effectiveness

#### **Personnel & Training**

- Force management & modeling
- Selection & Classification
- Theory of learning
- Adaptive, tailored instruction
- Live, virtual, constructive sims
- Realistic immersive training
- Training methods, tech, & media
- Education & training strategies
- Innovative leader development
- Metrics & measures of effectiveness

#### **Social & Cultural Understanding**

- Cultural situation awareness
- Socio-cultural models & synthetic entities for:
- Socio-cultural data in denied areas
- Social network analysis
- Building partnerships
- Metrics & measures of effectiveness

## **Protection & Sustainment**

- Extreme environment protection
- Combat clothing & protective equipment
- Extended combat rations & field feeding equipment
- Physical aiding
- Performance enhancement
- Vehicle escape & crash safety
- Survival & rescue
- Aerial delivery
- Warrior-System integration
- Metrics & measures of effectiveness

## **Appendix B: Human Systems Technology Gaps**

### **TRAINING TECHNOLOGY GAPS**

- Estimated operational effectiveness via training scenarios
- Verification & Validation of advanced training models
- Measures and assessment of long term (life long) performance
- Automated, adaptive, and individualized tutors
- Automated knowledge elicitation to develop responsive instructional content
- “On the fly” assessment in dynamic environments
- Training systems which adapt to individual needs
- Standardized data protocols for operation in multi-level classified environments
- Scalability across complex domains

### **INTERFACE TECHNOLOGY GAPS**

- Non-verbal cue understanding between the interface and the operator
- Natural interfaces to manage multiple scale (one to many), multiple role systems
- Metrics (systematic, scalable, relevant) for free form interactions
- Interfaces which adapt to the user’s mental state
- Heuristics to determine relevant information to be exchanged during operations
- Human-centric parameters for management of autonomous systems
- Goal-oriented interfaces for simultaneous multiple domain operations

## **APPENDIX C: Targeted DoD Organizations**

Army Materiel Systems Analysis Activity  
Air Force Research Laboratory  
Armament Research, Development and Engineering Center  
Army Aviation and Missile Research, Development, and Engineering Center  
Army Research Institute  
Army Research Laboratory  
Assistant Secretary of Defense (Nuclear, Chemical, and Biological Defense Programs)  
Assistant Secretary of Defense (Operational Energy Plans and Programs)  
Assistant Secretary of Defense (Research and Engineering)  
Assistant Secretary of Defense (Logistics and Material Readiness)  
Communications-Electronics Research, Development and Engineering Center  
Corps of Engineers to United States Army Corps of Engineers  
Defense Advanced Research Projects Agency  
Defense Intelligence Agency  
Defense Threat Reduction Agency  
Edgewood Chemical Biological Center  
Missile Defense Agency  
National Geospatial-Intelligence Agency  
Naval Air Warfare Center  
Naval Research Laboratory  
Naval Surface Warfare Center  
Naval Undersea Warfare Center  
Office of Naval Research  
Office of the Secretary of Defense  
Space and Missile Defense Technical Center  
Space and Naval Warfare System Center  
Tank Automotive Research Development and Engineering Center  
U.S. Army Natick Soldier RD&E Center  
United States Army Aeromedical Research Laboratory  
United States Army Institute of Surgical Research  
United States Army Medical Research and Materiel Command  
United States Army Medical Research Institute for Infectious Diseases  
United States Army Medical Research Institute of Chemical Defense  
United States Army Research Institute of Environmental Medicine  
United States Marine Corps  
United States Southern Command  
Walter Reed Army Institute of Research