

FY06 Prototypes

Name	Purpose	Deliverables	End POP
ECS (Engineering & Computer Simulations) - Learner Assessment Data Model and Authoring Tools for Tactical Combat Casualty Care (TC3)	<ul style="list-style-type: none"> - Develop performance assessment models for TC3 that can be used across various training domains to provide meaningful and accurate performance measuring - Develop an operational assessment component that can be shared across live, virtual, and constructive training systems 	<ul style="list-style-type: none"> - An assessment engine that can track/assess student performance - An assessment data model to represent complex interactions between events that are mapped to training objectives 	31-Aug-07
BBN Technologies - Integrating Simulation-Based Training into the JADL Integrated Prototype Architecture (IPA)	<ul style="list-style-type: none"> - Integrate simulation-based, multi-user training within the IPA - Produce a prototype Distributed Training Event Coordination Service (DTECS) that will: 	<ul style="list-style-type: none"> - Prototype DTECS system that: <ul style="list-style-type: none"> - Is aware of a learner's identity and current training requirement - Connects the learner with best resources available for required training - General Learner Profile/SSP repository based on open-source database 	31-Aug-07
BBN Technologies - Helical Training (Funded by DARPA)	<ul style="list-style-type: none"> - Concept study and plan for a pilot Helical Training event 	<ul style="list-style-type: none"> - Introduction to new ideas for training based on Alternate Reality Gaming - Understanding of how JFCOM can benefit from and guide the project's success 	31-Aug-07
Univ. of Memphis - Evolving the JADL IPA: Alignment with the e-Framework	<ul style="list-style-type: none"> - Perform an initial analysis and update of the JADL IPA, coordinating with the e-Framework activities - Focus on the JADL IPA subsets: <ul style="list-style-type: none"> - Training delivery - Content repositories/registries - Performance support - Competency management - Learner profiles 	<ul style="list-style-type: none"> - Analysis of the JADL IPA within the context of the e-Framework - Identified Reference models & service definitions used within the JADL IPA - Produce a revised JADL IPA for further development within the DoD and its constituent community 	31-Aug-07
CNRI - ADL-R Extensions and the Evolution of Content Object Repository Discovery and Registration/Resolution Architecture (CORDRA)	<ul style="list-style-type: none"> - Investigate problems associated with extending the ADL-R (and other Registries like it) within the CORDRA architecture - Produce an automated connection between the Registry and other components within the architecture, such as: <ul style="list-style-type: none"> - Content creation - Rendering tools - Content repositories - Course Management Systems 	<ul style="list-style-type: none"> - Integration of the Registry with other components - Various tools and Registry extensions that automatically feed the Registry and use the information to add value to other content creation and management components - A single-point reference for clients, repositories, tools, and agents to query the global multi-Registry architecture while interacting with local registries for content updates 	30-Sep-07
Eduworks - Competency and Training Record Management System (CTRMS)	<ul style="list-style-type: none"> - Research/Design a CTRMS - Maintains competency & training records produced by multiple training environments - Ontology/Competency mapping techniques to automate the process of identifying Service member qualifications and learning needs 	<ul style="list-style-type: none"> - Automated tool for mapping competencies - Integrate Competency Management with Personnel Management and Learning Objects 	30-Sep-07
Aptima - Competency-based Protocols for Distributed Team Training	<ul style="list-style-type: none"> - Massively Multi-Player on-Line Games (MMOG)-Based Training & Assessment Protocol (MTAP) - Create a framework for modeling competency-based Learning Objects and mapping competency-based measures to LMS-intepretable assessments - Evaluate the utility of the integrated training/assessment system 	<ul style="list-style-type: none"> - Facilitate SCORM experiential training specifications for MMOG-based platforms - Methods for communicating assessment data and scenario-based training specifications - Embedded specifications of events/conditions to create a variety of training scenarios within an MMOG 	31-Dec-07

FY07 Prototypes

Name	Purpose	Deliverables	End POP
Northrop Grumman - Enhanced Version Control for the ADL-Registry [Phase II of FY05 Prototype]	<ul style="list-style-type: none"> - Investigate web-based tool for notifying content "reusers" when metadata records stored in the ADL-R have been changed - Version control functionality provided through the ADL-Registry portal - Collaboration with CNRI, CTC, and DTIC 	<ul style="list-style-type: none"> - An online tool, integrated with the ADL-R portal that will notify users when "original" content/courseware has been modified/updated 	31-Dec-08
ECS (Engineering & Computer Simulations) - Learner Assessment Model for Tactical Combat Casualty Care (TC3) [Phase II of FY06 Prototype]	<ul style="list-style-type: none"> - Develop performance assessment models and authoring tools for TC3 that can be used across various training domains to provide meaningful and accurate performance measuring 	<ul style="list-style-type: none"> - Authoring tools that permit access to assessment data that can be shared across live, virtual, and constructive training systems 	31-Dec-08
BBN Technologies - Supporting Team Training in the JADL Integrated Prototype Architecture (IPA) [Phase II of FY06 Prototype]	<ul style="list-style-type: none"> - Develop a sample implementation of the IPA's Distributed Training Environment Coordination Service (DTECS) to support the integration of external training systems <ul style="list-style-type: none"> - Games - Simulations - Intelligent Tutoring Systems - Live Training Events - Generically, the DTECS can support the integration of any training system 	<ul style="list-style-type: none"> - Documentation and sample implementation of the IPA's DTECS component - Demonstration of the DTECS facilitating integration of a training system 	31-Dec-08
Forterra - Game Based, Multiplayer Training Environments	<ul style="list-style-type: none"> - Examine the suitability of Massively Multiplayer Online Games as an alternative method for accessing SCORM-conformant content (as opposed to browser-based access) <ul style="list-style-type: none"> - Display content within the MMOG client to provide didactic instruction - Integrate game-based activities to provide experiential training 	<ul style="list-style-type: none"> - Various tools and Registry extensions that automatically feed the Registry and use the information to add value to other content creation and management components 	31-Dec-08
Stottler Henke - Extending DL Formats and Architecture to Interoperate with Intelligent Trainers	<ul style="list-style-type: none"> - Examine the suitability of using the IPA's Distributed Training Environment Coordination Service (DTECS) to support the integration of Intelligent Tutoring Systems (ITSs) <ul style="list-style-type: none"> - Allow LMSs to focus on what they do best - delivering individualized instructional content - Allow LMSs to focus on what they do best - creating a robust tutoring environment 	<ul style="list-style-type: none"> - Demonstrate how ITSs can be used in conjunction with Learning Management Systems and SCORM-conformant content 	31-Dec-08

Cooperative Agreements

Name	Purpose	Deliverables	End POP
Workforce ADL Co-Lab - SOW 1 (Development and Implementation of ADL and Training Methods to support efforts of the JADL)	<ul style="list-style-type: none"> - Research on SCORM Applications in Workforce Training - Support for an ADL User Community in industry - Support for ADL Initiative 	<ul style="list-style-type: none"> - Report of findings/recommendations 	16-Oct-07
Workforce ADL Co-Lab - SOW 2 (Development of Deposit to Discovery to Delivery - A User-Focused Infrastructure for Content Management in an ADL Environment in support of the ADL Initiative) D3UI	<ul style="list-style-type: none"> - Testbed - ADL-R/ATIA Integration - Demonstrators - IPT Coordination - Technical Documentation & Reporting - Project Management 	<ul style="list-style-type: none"> - Project Management Plan - Technical Deliverables <ul style="list-style-type: none"> - Final Report - Prototype Code - Illustrative Content - Project Design Documents - Demonstrators 	16-Oct-07
Academic ADL Co-Lab - Games - Learning Society (GLS) [P00015/P00021]	<ul style="list-style-type: none"> - SME and analysis for FY05 & FY06 Prototypes 	<ul style="list-style-type: none"> - Report of findings/recommendations 	31-Dec-07
Academic ADL Co-Lab - [P00020]	<ul style="list-style-type: none"> - Continuing Research on SCORM Applications - Development and Operation of an ADL User Community - Support for ADL Initiative - Mobile Learning 	<ul style="list-style-type: none"> - Certification in SCORM 2004 for vendors - Maintenance of trafficking in persons online training material - 1 hour of content in an MP3 format 	30-Jun-07

For More Information: Call 407-384-5569