JGA prides itself on its modern and innovative approach to Computer-Based Training (CBT), combining a proven complement of Army System operational and technical expertise, artistic ingenuity, and state of the art training techniques and technologies. Our development team is highly skilled in technology-based training.

JGA CBT Innovations

Features	Description
CBT Assistant	The CBT Assistant is an animated character that interacts with the trainee throughout the CBT, offering suggestions, encouragement, and entertainment. The CBT Assistant's personality is customized to be compatible with the target audience demographic.
Hands-On Simulation	The CBTs will be highly interactive, focusing attention on learner activities rather than information content alone. Wherever possible, simulation is utilized to more realistically portray real world scenarios.
Open Architecture	Form and functionality are seamlessly integrated from the user's perspective, but are actually kept distinct in development. This approach allows for easier modification of either the content or the delivery mechanism. The development tools that we use are strictly COTS, and our CBT authoring environment is ODBC compliant as well as exportable to the Web.
Modular Design / Use of Templates	Most courseware incurs update costs directly related to system changes. To minimize development time, for simple updates as well as significant modifications, the CBTs are broken down into freestanding, reusable modules that are more easily updated and maintained. Templates are used throughout the CBTs to provide consistent look and feel, as well as to allow for universal cosmetic and functional changes.
Auto-Integration with CBT Management Web site	Web-based management system automatically keeps track of each trainee's performance scores, completion dates, sustainment training schedule and time-to-completion scores for each lesson.
Web-based CBT Management / Reporting System	The CBT Management Web site provides much more than just a record of trainee information and scores. The management Web site provides Problem Reporting, Software Ordering and Downloading capability, Document Management, a FAQ searchable database and on-line access to Subject Matter Experts.

The JGA training development approach is based on the Army System Approach to Training (ASAT) methodology, Instructional Systems Design (ISD) / Systems Approach to Training (SAT), and the DoD-wide initiative Advanced Distributed Learning (ADL). ADL was established to use learning and information technologies to modernize education and training strategies of the military, through the development of a common technical framework for computer and Web-based learning. The JGA Team adheres to these principles in its development process, but takes this concept one step further. By focusing not only on the methodology behind the development of object-oriented instructional components, but also on the content and distribution method itself, we are able to significantly reduce the time of instruction while increasing the overall effectiveness of the training. The ultimate goal is to provide a tool that effectively enhances the knowledge and performance of the target audience.

The JGA Team CBT development process is systematic, yet adaptable and flexible to meet the requirements of any task. Innovative techniques and methods are utilized throughout our development process. Our process consists of five phases:

1. **Analysis & Planning**
2. **Design**
3. **Development**
4. **Implementation**
5. **Evaluation/Validation**

Past Performance Experience

Customer: US Army CECOM, PM, WIN-T

Task Synopsis: The CECOM PM WIN-T BVTC Computer Based Training tutorial supports the fielding of the AN/TYQ-122 (Battlefield Video Teleconferencing (BVTC) End Stations) and the OA-9511/TYQ switching systems. The CBT for the AN/TYQ-122 End Station is targeted at the BVTC operator while the CBT for the OA-9511/TYQ Switching System is targeted at the G6/S6 personnel. The CBT Training materials developed for the objective BVTC's and training materials (including CBTs) developed for other CECOM supported systems containing information directly applicable to the BVTC are used wherever possible in the BVTC multimedia tutorial.

Customer: US Army CECOM, PM, Telemaintenance

Task Synopsis: The CECOM PM Telemaintenance Helpdesk Web site CBT is a technically sophisticated multimedia learning tool designed to guide users through the installation, configuration and utilization of VPN (Virtual Private Network) software on their computers. Developed specifically for PM Telemaintenance in support of the Telemaintenance Mission, this advanced multimedia tutorial provides direct support to the soldier in the overall implementation of the Telemaintenance objective.

Customer: US Army PM, JSTARS

Task Synopsis: PM JSTARS tasked Team JGA to develop a CBT that would train users on the software update procedure and operation for the Commander's Tactical Terminal (CTT) radios. By directly interfacing to the radio, the CTT CBT completely automated the software upgrade procedure, guiding the user through the entire upgrade process, and thus eliminating mishaps related to the error-prone, manual software update process.

Customer: US Army PM, GPS PLGR

Task Synopsis: The GPS PLGR Re-programmer CBT is a fully illustrative multimedia-learning tool designed to instruct users on how to upgrade PLGR software, as well as an in-depth tutorial on how to operate the PLGR Radio. Designed specifically for PM GPS PLGR, this CBT uses Video, Audio and digital graphics to educate users on all facets of the PLGR radio.

Customer: US Army PM, TRCS

Task Synopsis: JGA was tasked to assist in the upgrading of SINCGARS Radios for field units worldwide. In an effort to facilitate this labor-intensive, global undertaking, JGA took the initiative in designing, proposing, and implementing the SINCGARS Radio CBT. This multimedia tutorial demonstrates the entire software upgrade process for SINCGARS 1523D model radios, in addition to providing step-by-step graphical instructions for connecting the radio to the computer. Through a combination of video, audio, and graphics, the SINCGARS CBT equips the user in the field with all of the technical support necessary to upgrade his or her own radio.

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