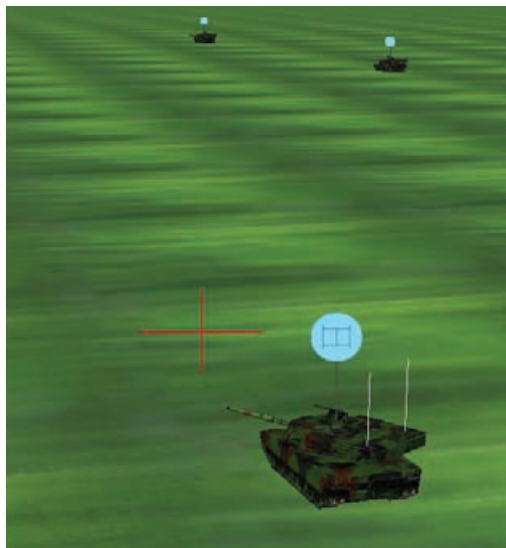


CAE PowerSTRIPES



One of the greatest challenges of military training exercises is the after action review and analysis. Traditionally, this was a long process that required months to collect and analyze data. Data collection was a function external to the simulation system, where the exercise was re-run by analysts to synchronize the actions of the team with the simulation environment.

CAE PowerSTRIPES is a fully integrated and automated after action review (AAR) tool suite for observing, recording, and reviewing simulation exercises. Within minutes of completing a training exercise in simulation, data analysis can be conducted and output into a presentation format for immediate review by commanding officers and participants. Lessons learned are analyzed and discussed immediately when the exercise is fresh in the minds of participants, rather than months down the road when the training exercise is forgotten and personnel have potentially moved on to new roles.

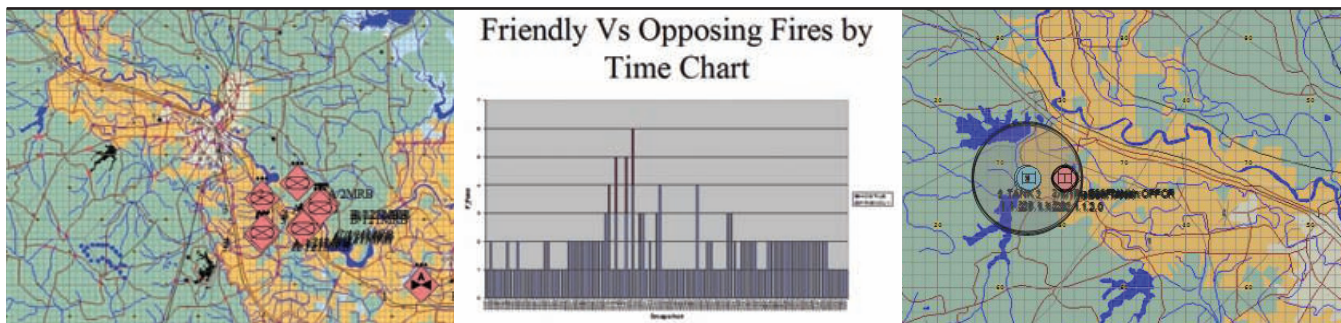
CAE PowerSTRIPES allows exercise planners to determine training objectives and goals, measure student success against those objectives, and provide near real-time review of the exercise. This advanced AAR tool suite prepares a tailored data collection and presentation plan through its unique run-time transformation of data, extensive support for a variety of AAR analysis aids, and unparalleled integration with Microsoft® Office software, as well as 2D tactical displays and 3D virtual views.

Reducing the data collection and analysis time

CAE PowerSTRIPES is a fully integrated tool that collects data directly from the simulation system. Data is transformed at run-time into a relational database generated directly from the simulation execution, and events are replayed as they occur in a 2D tactical display and 3D virtual view of the exercise. These features allow faster turnaround for data collection, analysis, and output to presentation tools for immediate review.

During action review

CAE PowerSTRIPES can conduct near real-time AAR of scenarios using a 'during action review' feature. All AAR functions can be performed simultaneously with data collection. As the scenario unfolds, a 'snapshot' of the training exercise can be taken, and analysis performed around it. Full 2D and 3D visualization replay and data analysis is available to conduct a more in-depth review of any specific point in the exercise.





Microsoft®-based authoring tools Key features

Through its integration with the Microsoft® Office software suite, CAE PowerSTRIPES automatically builds PowerPoint® presentation slides containing analysis data retrieved from the execution of a simulation and allows the user to manipulate the AAR analysis aids using standard Microsoft® Office software capabilities. With the authoring and tailoring capabilities that have been added to the PowerPoint® interface, users can set up and modify filters that change the look, feel, and even the data content of each of the AAR analysis products generated for the training audience. CAE PowerSTRIPES also generates Take-Home Packages (THP) for the end-user that gives them the opportunity to view the objective evidence away from the training/simulation environment.

CAE PowerSTRIPES also allows simulation developers to build templates of user-selected topics and high-interest events for planning AAR topics and high interest events using PowerPoint® tools.

The AAR analysis products in CAE PowerSTRIPES include maps, charts, graphs, worksheets, and data queries - all of which are completely customizable and can be viewed during simulation execution, after the exercise, or as a standalone Take-Home Package in PowerPoint® format.

- Provides a complete AAR Solution that includes planning, data logging, analysis, and replay in one convenient package.
- Data is transformed from run-time into a relational database for statistical analysis.
- Supports during action reviews. All AAR functions can be performed simultaneously with data collection.
- Generates Take-Home Packages that allow the end-user to view the objective evidence away from the training/simulation environment.
- Supports all reference military symbology and tactical graphics according to the MIL-STD-2525B.
- Provides simulation visualization for both a 2D tactical display and a 3D virtual view as a replay over time. Because both of these replay and viewing modes can be accelerated up to 10 times faster than real-time, the time required in the AAR session is greatly reduced.
- Supports several industry standard communication mechanisms, including the distributed interactive simulation (DIS) specification or the high level architecture (HLA) specification.



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