

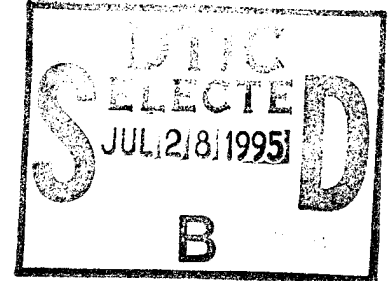
# PROJECT PLAN

for

## Support to the U.S. Army Computer Generated Forces Assessment Working Group (CGFAWG)

Task 1, BAA93-002, Contract N61339-95-C-0029

March 28, 1995, Rev 0<sup>1</sup>



### 1. PURPOSE.

The purpose of this plan is to outline tasks, define responsibilities, and identify the technical requirements and schedule for support to the U.S. Army Simulation, Training, and Instrumentation Command (STRICOM) for the Computer Generated Forces Assessment Working Group (CGFAWG).

### 2. BACKGROUND AND SCOPE OF WORK

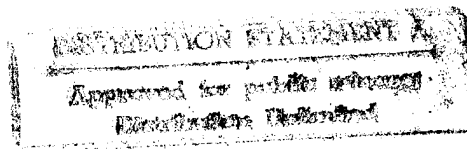
#### 2.1 Background

Computer Generated Forces (CGF) are a class of constructive computer simulations that replicate the outward behavior of combat units, entities, and their systems. They provide a degree of realism that is impossible to replicate short of all-out large scale field exercises. The U.S. Army is using CGFs to satisfy the spectrum of applications in three Distributed Interactive Simulation (DIS) domains:

- Advanced Concepts and Requirements (ACR)
- Research, Development and Acquisition (RDA)
- Training, Exercises, and Military Operations (TEMO)

The development and several different CGF have raised questions as to which are best suited for what application. As a result, The U.S. Army Material Systems Analysis Agency (AMSAA) has been tasked by the Deputy Under Secretary of the Army for Operations Research (DUSA/OR) to chair a CGF Assessment Working Group (CGFAWG). The objective of this group is to assess the state of development, maturity, and V&V of the candidate M/S. At the present time, these candidates include:

- ModSAF
- ITEMS
- CCTT SAF
- JANIS (linked to BDS-D)
- BEWSS



<sup>1</sup> Changes from the previous version are marked by a vertical bar in the margin.

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- JCM
- JTS

Other M/S and related tasks may be also involved, such as the evaluation of how each of the above models meet, or fail to meet, the entity-based requirements being developed by TRADOC. STRICOM is supporting this assessment as a member of the working group and by providing ISTI resources to conduct the assessment.

## 2.2 Scope of Work

The scope of this work includes the participation in CGFAWG meetings, travel to model developer sites to participate in demonstrations, writing the final assessment report, and preparation of supporting material for the final briefing.

## 3. CUSTOMER AND POINTS OF CONTACT

The customer for this task is the U.S. Army STRICOM.

Points of contact are:

### CONTRACTUAL:

Ms. Vallerie Redd  
 Naval Air Warfare Center Training Systems Division  
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### TECHNICAL:

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#### 4. TASK DURATION

The period of performance for this task is March 1, 1995 through September 31, 1995.

#### 5. TASK SUMMARY

ISTI will provide support to the CGFAWG committee, Chaired by Mr. Will Brooks. At the present time, this involves the following technical requirements:

- Reviewing the self-assessment reports of each of the CGF under evaluation
- Attending CGFAWG meetings as required. The following meetings are currently tentatively scheduled:
  - 14 March 1995 at Orlando, FL for initial coordination (completed)
  - 19-20 April 1995 at AMSAA for site visit preparation
  - 24-28 July 1995 at AMSAA to work on final report
  - TBD September to work on presentation to DUSA/OR
- Attending the demonstrations tentatively scheduled as follows:
  - 15-19 May 1995 to Monterey, CA (JLINK) and Lawrence Livermore National Laboratories (LLNL) (JTS and JCM)
  - 5-9 June 1995 to Huntsville, AL (BEWSS) and Orlando, FL (CCTT SAF)
  - 19-23 June 1995 to Boston, MA (ModSAF) and Montreal, Canada (ITEMS)
- Making technical contributions to the following sections of the report:
  - Section 6.4 - an independent assessment of JLINK based on the submitted self-assessment, observation of the demonstration, and answers to questions provided by the developers.
  - Section 7.8 - an accross-the-board comparison of all CGF with regard to "System Operation, Maintenance, and Expansion."
  - Possible assistance in the writing of Section 7.4, "System Verification and Validation."
  - Other tasking as required
- Making technical contributions to the final briefing to DUSA/OR in September 1995.

#### 6. FINANCIAL MANAGEMENT

The ISTI charge number for this project is 9502-001. For the purpose of cost tracking and management, the following subtask numbers have been established and are to be used by all personnel working on this task.

<u>Charge Number</u>	<u>Task</u>
9502-001-39	All technical work



## 7. RESPONSIBILITIES

The following individuals are assigned the responsibilities and allocated the hours indicated. The technical hours shown are for planning purposes only, and should not be construed as firm. It is the responsibility of the individual to inform the PM if the job cannot be accomplished within the hours indicated. It should be the goal of each to complete the task using less hours than indicated. Where technical or task reports are shown as due by a specific date, these dates are contract deliverables. Completion of these reports should be planned such that they can be delivered to the PM for final review and administrative processing two weeks prior to the deliverable due date. Submission will be via a cc:Mail attachment in Word for Windows 6.0 format. All reports will follow the standard ISTI PRIMES format, a template copy of which is available in the Word for Windows 6.0 library.

<u>Name</u>	<u>Tasks</u>
D. Gledhill	Project Manager and Primary Investigator

## 9. SCHEDULE

The following products are due on the dates indicated. See Figure 1 for a master task schedule.

<u>Product/Report</u>	<u>Due Date</u>
Initial draft of Section 7 input based on self-assessment reports	April 7, 1995
Draft of Section 6 input	July 7, 1995
Final draft of Section 6 and 7 input	August 1, 1995

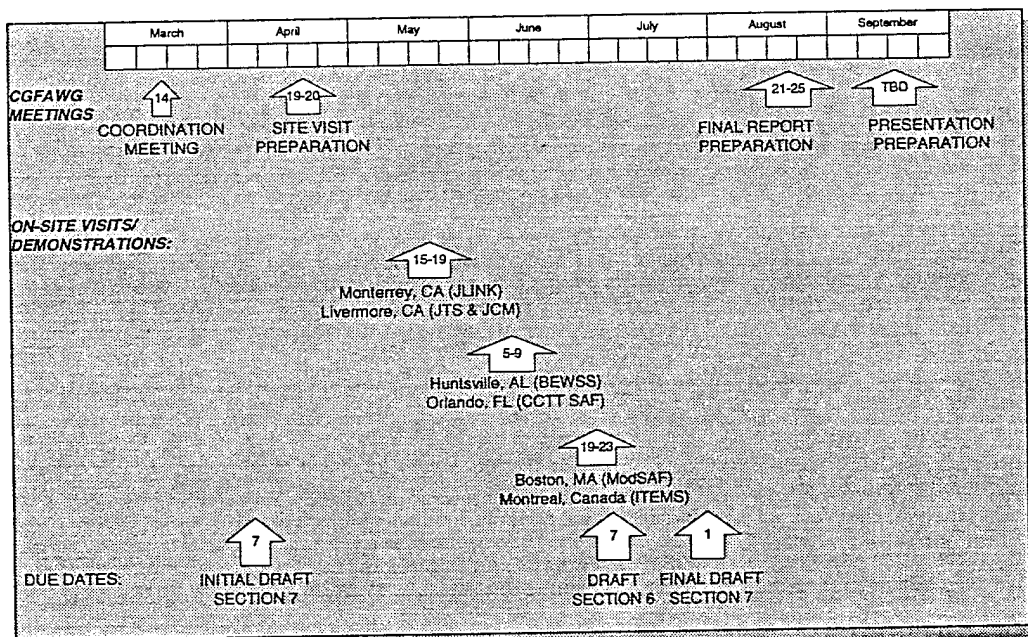


Figure 1. Schedule



**10. REMARKS**

The members of the CGFAWG are listed at Inclosure #1.

Approved by:

Dave Gledhill  
Project Manager

Date

Distribution:

cc: M. Mandrell (F&C)  
J. Illgen



### CGF Assessment Working Group Members

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IDA	Dr. Peter Brooks	Institute for Defense Analysis 1801 N. Beauregard St. Alexandria, VA 22311 (pbrooks@ida.org)	(805) 562-3872 (805) 968-8661 (FAX)
ISTI	Dave Gledhill	Illgen Simulation Technologies, Inc. 250 Storke Road, Suite 10 Goleta, CA 93117 (dglhill@illgen.com)	(703) 883-7609 (703) 883-6435 (FAX)
MITRE	Dr. Lashon Booker	The MITRE Corporation 7525 Colshire Dr. McLean, VA 22102-3481 (booker@mitre.org)	(407) 380-8165 (407) 380-4258 (FAX)
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NSC	Annette Ratzenberger	NSC	