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Survey Results: Interim Technical Report CDRL A005

Brenda A. Bradley

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SURVEY RESULTS

Technical Interim Report
CDRL AO05

February 26, 1990
(Revised 4 April, 1990)
Prepared under Contract Number 61339-89-C-0029
for
Naval Training Systems Center

Institute for Simulation and Training
12424 Research Parkway, Suite 300
Orlando FL 32826

University of Central Florida
Division of Sponsored Research
Survey Results

Interim Technical Report
CDRL A005

Brenda Bradley

February 23, 1990

Prepared under Contract Number 61339-89-C-0029
for the Naval Training Systems Center

by

University of Central Florida
Institute For Simulation and Training
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ABSTRACT

A survey was conducted to identify candidate systems and analysts which may benefit from and have the desire to use two automated decision aids: ASTAR (the Automated Simulator Test and Assessment Routine) and AIMS (the Automated Instructional Media Selection). The user survey was distributed within U.S. Army's PM TRADE and the Naval Training Systems Center. In addition, the survey was distributed at the DoD T2TG during a May meeting, and an NSIA Conference. A total of 183 user surveys were distributed through government organizations and conferences. There were 66 positive responses of interest in ASTAR and/or AIMS included in the 61 returned surveys. Thirty-two of the requests were for ASTAR and thirty-four were for AIMS. Forty-one training systems were identified as possible candidates for the application of ASTAR and/or AIMS. Several of the identified systems were selected for use in the operational studies conducted under the ASTAR project. The three prime systems chosen for the operational studies were: the Seawolf IAL system, the Marine Corps MCTFIST, and foreign language training.
1.0 INTRODUCTION

1.1 Purpose of User Survey
The survey was designed to identify candidate systems and analysts which may benefit from and have the desire to use two automated decision aids: ASTAR (the Automated Simulator Test and Assessment Routine) and AIMS (the Automated Instructional Media Selection). The survey asked potential users to describe systems/devices with which such DET (Design Evaluation Techniques) could be utilized to assist in the assessment of training device effectiveness. Two evaluation criteria were derived from the User Survey: the number/percent of requests for a DET and the number/percent of applications for a DET. A copy of the User Survey is enclosed in Appendix A of this report.

1.2 Background of ASTAR/AIMS
The following sections provide short description of ASTAR and AIMS. More detailed descriptions of the two DET are provided in Appendix B.

1.2.1 ASTAR. ASTAR is an automated decision aid designed to assist an analyst in evaluating the effectiveness of a training device or method. ASTAR uses generally accepted training principles to evaluate the effectiveness of any training method that involves practice on job tasks. ASTAR helps the analyst evaluate a training approach by asking questions about the learning difficulty or transfer of training to the job environment and converts the judgments provided by the analyst about various facets of the training system into a forecast of the system's effectiveness.

1.2.2 AIMS. AIMS aids the analyst in the selection of media/training equipment to satisfy training requirements. The system is more flexible than other media selection tools in that the user can change the definitions and assumptions about needed features inherent in the system. The analyst establishes a set of training objectives and then uses a checklist to identify the media attributes required to train each objective. The selected media are then ranked in order of relatedness to critical attributes and the total number of times each medium is selected across all objectives is tabulated and printed out in a worksheet format.

2.0 APPROACH

2.1 SURVEY DESCRIPTION
The survey included a cover page briefly describing the study and asking for general information from the respondent. Brochures describing the uses and benefits of the two DET (ASTAR
and AIMS) were included with the survey to give the potential users a better understanding of the DET upon which to base their responses.

In the body of the survey questionnaire, the initial questions concerned the respondents' interest in and possible need for techniques such as ASTAR and AIMS. The willingness of respondents to participate in an operational evaluation of ASTAR and AIMS was also assessed. If they expressed an interest in the techniques, the remaining questions addressed potential training systems to which ASTAR and AIMS could be applied.

The respondents were asked to describe the characteristics of the identified systems including the type of system, type of training addressed by the system, the stage of training addressed by the training system, and the stage of acquisition for the training system. Questions were also included to assess the availability of task data and performance data. Finally, the respondents were asked to indicate the location of the training system.

The analysis of this data was accomplished by compiling descriptive statistics from the survey. These analyses, as well as descriptions of some of the survey questions, are discussed in detail later in this report.

A copy of the survey instrument is included in Appendix A and copies of the ASTAR and AIMS brochures are included in the Appendix B.

2.2 SURVEY DISTRIBUTION
The distribution of the completed survey was identified by NTSC, with input from IST personnel. The user survey was initially U.S. Army's PM TRADE and the Naval Training Systems Center. In addition the survey was distributed at the DoD T2TG during a May meeting and NSIA Conference. Several other contacts with possible users were established through informal contacts which occurred during the course of the ASTAR project.

2.3 SURVEY USE
The results from this survey were used for two purposes. The results were analyzed to answer two of the primary evaluation criteria identified in the study: requests for the two DET and potential applications for each DET. The results were also used to identify and select training systems to be used in the operational and longitudinal studies for the ASTAR operational evaluation project.

The Operational Study # 1 examined two applications of trainers for a Marine Corps M60A1 Main Battle Tank. The baseline system for this study was the MCTFIST (Marine Corps Tank Full-Crew Interactive Simulator Trainer). MCTFIST is a strap-on training device for the M60A1. MCTFIST is designed to allow a full crew to develop and sustain individual and crew tactical engagement, and gunnery skills through simulation of selected
gunnery tables. GUARD FIST I (Guard Unit Armory Device Full-Crew Interactive Simulator Trainer) was used as an alternative training device for the study. GUARD FIST I is a strap-on training device for the M1A1. It is a full crew trainer that simulates both daytime and thermal engagements and presents targets that can be simulated with either European or Desert terrain as background. This study was conducted with the assistance of subject matter experts (SMEs) from the Marine Corps Reserve (Tallahassee, Florida), and the training analysts and SMEs of the Army's PM Trade, and The Naval Training Systems Center (NTSC) in Orlando, Florida. The Longitudinal Study was an extension of Operational Study #1. The Longitudinal Study was extended by evaluating SIMNET and comparing it to MCTFIST and GUARD FIST I.

Operational Study #2 was conducted using the Naval submarine system Seawolf Internal Auxiliary Launcher (IAL) with the assistance of training analysts from Newport News Shipbuilding, Newport News, Virginia. The function of the Seawolf IAL system is to launch both six-inch and three-inch devices for evasion, environmental monitoring, communications, or signaling.

Finally, the Operational Study #3 was conducted at the Defense Language Institute Foreign Language Center (DLIFLC) located on the Presidio of Monterey, California. The "system" evaluated was the training of foreign language reading comprehension. The application was for an Intelligence Analyst. The two training systems evaluated in the study were computer-managed instruction (CMI) and programmed text.

3.0 RESULTS AND DISCUSSION

3.1 SURVEY RESULTS
A total of 183 user surveys were distributed through government organizations and conferences. A good rate of return was realized with sixty-one surveys received for the analysis. The majority of the survey's were received from PM TRADE and NTSC. Overall, there was a definite dichotomy of responses. The majority of respondents were either highly interested in the DET or expressed no interest at all. As expected, the role of the analyst in the design/requirements definition process determined their interest in the two techniques. In general, if a respondent was interested in the DET, then they were interested in both ASTAR and AIMS.

3.2 Number/Percent of Requests for DET
For each DET the respondent indicated whether they had a definite need, a possible need or no need. Responses of either a definite need or a possible need were considered positive responses, since most of those indicating a possible need made their assessments contingent upon additional information. There were 66 positive responses of interest in ASTAR and/or AIMS included in the 61 returned surveys that were returned. Thirty-two of the requests were for ASTAR and thirty-four were for AIMS.
In many cases respondents indicated a desire for both DET. In both cases over fifty percent of the respondents expressed interest in the potential use of the DET, which indicates a strong desire and perceived need for design aids like ASTAR and AIMS by operational analysts.

3.3 Number/Percent of Applications for DET
Within the 61 surveys returned, 41 or 67% identified and described potential training systems to which ASTAR and/or AIMS could be applied. Of the applications identified (41), ASTAR was cited as a DET of choice 32 times (78%), and AIMS 34 times (83%).

3.4 Potential Applications Identified
Forty-one (Navy, Army, Marine and Coast Guard) training systems were identified as potential applications for ASTAR or AIMS. Figure 1 lists the potential training system applications identified through the survey. The potential applications represent a diverse cross section of applications. A summary of the survey information for each system is provided in Appendix C.

For each of the identified systems, seven major questions were asked about the training systems: the type of system, the type of training, the stage of training, the stage of acquisition, whether task lists or training objectives are available, whether trainee data is available, and whether performance data is available. Summary statistics for each question are provided below. NOTE: Many of the options were chosen in combination with other options for each system.

3.4.1 TYPE OF SYSTEM. Four potential options for system type were provided to the respondents; Trainer, Simulator, Embedded or Other. The majority of responses placed the identified training system in either Trainer and Simulator categories.

- Trainer- 68%
- Simulator- 68%
- Embedded- 24%
- Other- 20%

3.4.2 TYPE OF TRAINING. This second section was included to assess the type of training addressed by the identified training systems. The first two options were whether the device trained/simulated operational or maintenance activities. The second two options were whether more than one or just one person is trained on the system at a time. Team training of operations activities accounted for the majority of types of training identified by respondents.

- Operations- 80%
- Maintenance- 22%
- Team- 71%
- Individual- 37%
- Other- 12%
ROLLING AIRFRAME MISSILE LAUNCHING SYSTEM
STINGER TRACKING HEAD TRAINER
AN/SLQ - 32 (V) OTD
PRIME
ATAS/PMS
SEAWOLF IAL
SEAWOLF WS
SIMNET
CLOSE COMBAT TACTICAL TRAINER
GUARD FIST I
THERMAL TARGET PROJECTOR
FIRE TRAINERS
TSV
TPGID
CHAPARRAL TPT
LVT
LAV
LCAC FMT DEV 20G6
LCAC CFT DEV 20G7
UH60 BLACKHAWK FLIGHT SIMULATOR
LOAST
CH47D DFS
THE SIX HFM VEHICLES
SLAR
SAWE-RF
LHX INTEGRATED TRAINING SYSTEM
AH-64 (APACHE)
ARTBASS
MOBILE INDEPENDENT TARGET SYSTEM
SCOTT
SIGINT/EW TACTICAL PROFICIENCY TRAINER
NBC-CAS
DEEP BATTLE INTEGRATION TRAINING
TWGSS/PGS
DSCS FAMILY
FOREIGN LANGUAGE TRAINING
FIREFINDER INTERMEDIATE MAINTENANCE TRAINER
NUCLEAR WEAPONS EFFECT SIMULATOR
LOS-F-H FORCE-ON-FORCE TRAINER
BRIGADE/BATTALION BATTLE SIMULATION
MCTFIST

Figure 1. List of potential target systems identified in user survey.
3.4.3 STAGE OF TRAINING. The stage of training addressed by the training system was identified as Initial, Transition, MOS or other. Training systems were classified most often as Initial or Transition. These two types of training were selected more than twice as often as MOS in unit.

- Initial - 51%
- Transition - 59%
- MOS - 32%
- Other - 37%

3.4.4 STAGE OF ACQUISITION. This question identified the current point in the acquisition process for each training system. Concept is the stage when the device requirements alone have been specified. Design is when the system design is in progress. Fabrication is when the device is under construction, and Fielded in when the device is currently in use. Evaluation and Redesign are defined as training effectiveness being determined and device modification in progress, respectively. The Concept stage of acquisition represented the majority of the systems suggested within the current survey.

- Concept - 41%
- Design - 15%
- Fabrication - 20%
- Fielded - 27%
- Evaluated - 0.05%
- Redesign - 0.07%

3.4.5 TASK LISTS/TRAINING OBJECTIVES ARE AVAILABLE. This question was included because obtaining task lists/training objectives is vital when utilizing the DET. To facilitate the operational studies in the ASTAR project, only those systems which have available task and training objective data were considered. The majority of respondents answered that task lists/training objective information are available. A surprisingly large number of respondents were not sure whether task and objective data existed for their system.

- Yes - 49%
- No - 15%
- Not Sure - 34%
- Classified - 0.02%

3.4.6 TRAINEE DATA AVAILABLE. Trainee data is necessary when performing evaluations on the DET to make accurate ratings regarding the background, prior training etc. of the typical trainees. The responses were about equally distributed between choices on the question, with having trainee data available occurring slightly less often.

- Yes - 29%
- No - 39%
- Not Sure - 32%
3.4.7 PERFORMANCE DATA. Information concerning the availability of performance data was assessed to provide a basis for evaluating the recommendations of the DET. The responses indicated that performance data was not widely available, though when available it was most often available in the trainer itself or found in some other form.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>In Trainer</td>
<td>20%</td>
</tr>
<tr>
<td>On the Job</td>
<td>15%</td>
</tr>
<tr>
<td>Other</td>
<td>22%</td>
</tr>
</tbody>
</table>

4.0 CONCLUSION

The objectives of the Survey Study have been met by the final distribution of the user survey questionnaire. The questionnaire helped to identify potential users and uses for ASTAR, it helped in eliciting and describing potential applications that would benefit from the use of ASTAR or AIMS and certainly demonstrated the desire of those surveyed for this type of decision aid. Several of the identified systems (MCTFIST, GUARD FIST I, SIMNET, Seawolf IAL, and Foreign Language Training) were selected for use in the operational studies conducted under the ASTAR project.

Of the total of 41 systems listed in Figure 1, 19 were identified as most appropriate for an ASTAR/AIMS evaluation. The criteria used to choose these were as follows:

1) the respondents' reported need for both ASTAR and AIMS,
2) the respondents' willingness to participate in a field test,
3) the systems' stage of acquisition (the earlier in the acquisition, the more appropriate), and
4) the type of training system.

Figure 2 lists the training systems identified as potential candidates for use in the operational studies or as part of an implementation plan. The nine best candidates for operational studies are indicated by an asterisk in the figure. The three prime systems which were used as the basis of the operational and longitudinal studies were selected from this list.

Thus, with these final results, it is fair to say that there exists a need, and a reasonable interest in DET like ASTAR and AIMS. Also, various other conclusions can be drawn from the information gathered from this survey.

1) The types of systems that these DET would probably be utilized with are trainers and/or simulators.
2) The type of training that these trainers/simulators teach is usually team training of operations procedures, usually in the initial or transition stages
of training. These devices are mostly very new systems in the concept stages of their acquisition.

3) When training objectives, trainee data, and performance data are considered: training objectives are usually available, trainee data may or may not be readily available in most cases, and in-trainer performance data, or data obtained by some other source is most often available.
<table>
<thead>
<tr>
<th>NAME OF SYSTEM</th>
<th>TYPE OF SYSTEM</th>
<th>STAGE OF ACQUISITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLAR</td>
<td>TRAINER, SIMULATOR</td>
<td>CONCEPT</td>
</tr>
<tr>
<td>SCOTT</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>DSCS FAMILY</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>*LHX INT. TRNG. SYST.</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>CCTT</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>*SEAWOLF IAL</td>
<td>&quot;</td>
<td>INITIAL</td>
</tr>
<tr>
<td>*SEAWOLF WS</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>*LAV</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>*FIREFINDER INT</td>
<td>&quot;</td>
<td>CONCEPT</td>
</tr>
<tr>
<td>*TSV</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>SAWE-RF</td>
<td>&quot;</td>
<td>DESIGN</td>
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<tr>
<td>20G7</td>
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<td>DBIT</td>
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<td>LCAC FMT</td>
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<td>FABRICATION</td>
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<tr>
<td>TPGID</td>
<td>&quot;</td>
<td>FIELDDED</td>
</tr>
<tr>
<td>SIMNET</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>*LVT</td>
<td>&quot;</td>
<td>EVALUATED</td>
</tr>
<tr>
<td>*MCTFIST</td>
<td>&quot;</td>
<td>FIELDDED</td>
</tr>
<tr>
<td>*FOREIGN LANGUAGE TRN.</td>
<td>&quot;</td>
<td>CONCEPT</td>
</tr>
</tbody>
</table>

Figure 2. Listing of potential systems identified as most appropriate for ASTAR/AIMS evaluations.
5.0 **APPENDICES**
APPENDIX A

USER SURVEY QUESTIONNAIRE
ASTAR/AIMS QUESTIONNAIRE

Designing cost-effective training devices is a key element of increased combat readiness and reduced training costs. The Automated Simulator Test & Assessment Routine (ASTAR) and the Automated Instructional Media Selection (AIMS) system provide the training analyst with tools to predict the effectiveness of training devices before and during their acquisition.

Please read the brochures describing ASTAR and AIMS provided with this questionnaire. Then, take a few minutes to answer the questions on the following pages.

The questionnaire is part of research and development (R & D) conducted by the Naval Training Systems Center (NAVTRASYSCEN), and is sponsored by the Joint Services Manpower and Training Technology Development (JS/MTTD) Program, PE64722A.

Once you have completed the questionnaire, please return it to:

Dr. Rhonwyn Carson  
Code 262  
Naval Training Systems Center  
12350 Research Parkway  
Orlando, Florida 32826-3224

Your Name: _______________________________________________________

Branch of Service/  
Name of Company: ___________________________________________________

Code Name/Number: ________________________________________________

Work Address: ______________________________________________________

Work Phone: _______________________________________________________

A-3
ASTAR/AIMS QUESTIONNAIRE

1. GIVEN THE INFORMATION I NOW HAVE ABOUT ASTAR AND AIMS, I AM INTERESTED AND I WOULD LIKE MORE INFORMATION REGARDING THE SYSTEM(S):

   YES ____ NO ____

2. I CURRENTLY HAVE A NEED/USE FOR:
   A SYSTEM LIKE ASTAR THAT AIDS IN ASSESSING TRAINING EFFECTIVENESS?

   YES ____ NO ____ POSSIBLY ____ DATE SYSTEM NEEDED _______

3. OR A SYSTEM LIKE AIMS WHICH AIDS IN THE SELECTION OF TRAINING MEDIA?

   YES ____ NO ____ POSSIBLY ____ DATE SYSTEM NEEDED _______

4. COMMENTS: (E.G., OTHER TYPES OF DECISION AIDS THAT MAY BE USEFUL TO YOU)

   __________________________________________________________
   __________________________________________________________

5. THE APPROACH I CURRENTLY USE TO DESIGN TRAINING SYSTEMS AND ASSESS THEIR EFFECTIVENESS IS THE FOLLOWING:

   __________________________________________________________
   __________________________________________________________

6. I MAY HAVE A FUTURE NEED/USE FOR A DECISION AID LIKE ASTAR OR AIMS. I WOULD PREFER:

   ASTAR ___ AIMS___ OTHER ____

7. OTHER PERSON(S) WHO MAY HAVE USE FOR A DECISION AID LIKE ASTAR OR AIMS ARE:

   PERSON(S) NAME AND WORK PHONE ___________________________ ________________
   __________________________________________________________
   __________________________________________________________

8. I AM WILLING TO PARTICIPATE IN A FIELD TEST OF ASTAR/AIMS BY USING THE SYSTEM(S) AND PROVIDING THE DATA TO NAVTRASYSCEN:

   YES ____ NO ____ POSSIBLY ____
9. IF YOU RESPONDED POSITIVELY TO ANY OF THE ABOVE QUESTIONS, PLEASE GIVE A BRIEF DESCRIPTION AND THE PLANNED LOCATION OF THE DEVICE(S) THAT YOU HAD IN MIND:

__________________________________________________________________________

__________________________________________________________________________

PLEASE ANSWER AS MANY AS POSSIBLE OF THE FOLLOWING QUESTIONS REGARDING THE DEVICE(S)/ MEDIA YOU HAVE IDENTIFIED ABOVE.

10. NAME OF SYSTEM

A) TYPE OF SYSTEM: (PLEASE CHECK ALL THAT APPLY)

___ TRAINER - DESIGNED TO FACILITATE LEARNING OF A SET OF TASKS OR SKILLS.

___ SIMULATOR - DESIGNED TO REPRODUCE OPERATIONAL SITUATIONS.

___ EMBEDDED - INSTRUCTION IS PART OF THE OPERATIONAL EQUIPMENT.

___ OTHER - PLEASE SPECIFY: _____________________________

B) TYPE OF TRAINING: (PLEASE CHECK ALL THAT APPLY)

___ OPERATIONS - TRAINS/SIMULATES AN OPERATIONAL ACTIVITY.

___ MAINTENANCE - TRAINS/SIMULATES A MAINTENANCE ACTIVITY.

___ TEAM - TRAINS MORE THAN ONE PERSON AT A TIME.

___ INDIVIDUAL - TRAINS ONE PERSON AT A TIME.

___ OTHER - PLEASE SPECIFY: _____________________________

C) STAGE OF TRAINING: (PLEASE CHECK ALL THAT APPLY)

___ INITIAL - FIRST EXPOSURE TO A SYSTEM (BEGINNERS).

___ TRANSITION - TRAINED PERSONNEL MOVING INTO A SPECIFIC SYSTEM.

___ MOS IN UNIT - JOB TRAINING, NOT SPECIALIZED FOR A SPECIFIC SYSTEM.

___ OTHER - PLEASE SPECIFY: _____________________________

A-5
D) STAGE OF ACQUISITION:

- Concept - Device requirement specified.
- Design - System design in progress.
- Fabrication - Device under construction.
- Fielded - Device in use.
- Evaluated - Training effectiveness determined.
- Redesign - Device modification in progress.

E) TASK LISTS/TRAINING OBJECTIVES ARE AVAILABLE:

YES ____ NO ____ NOT SURE ____ DATA IS CLASSIFIED ____

F) IF YES, PLEASE SPECIFY THE EXTENT/AMOUNT OF THE TASK DATA AVAILABLE:


G) THERE ARE TRAINEE PERFORMANCE DATA AVAILABLE:

YES ____ NO ____ NOT SURE ____

H) ANY PERFORMANCE DATA ARE FROM:

- Performance in the trainer
- Performance on-the-job
- Other - Please specify: ________________________________
ADDITIONAL DEVICES

11. NAME OF SYSTEM ________________________________

A) TYPE OF SYSTEM: (PLEASE CHECK ALL THAT APPLY)

___ TRAINER - DESIGNED TO FACILITATE LEARNING OF A
  SET OF TASKS OR SKILLS.

___ SIMULATOR - DESIGNED TO REPRODUCE OPERATIONAL
  SITUATIONS.

___ EMBEDDED - INSTRUCTION IS PART OF THE OPERATIONAL
  EQUIPMENT.

___ OTHER - PLEASE SPECIFY: ________________________

B) TYPE OF TRAINING: (PLEASE CHECK ALL THAT APPLY)

___ OPERATIONS - TRAINS/SIMULATES AN OPERATIONAL ACTIVITY.

___ MAINTENANCE - TRAINS/SIMULATES A MAINTENANCE ACTIVITY.

___ TEAM - TRAINS MORE THAN ONE PERSON AT A TIME.

___ INDIVIDUAL - TRAINS ONE PERSON AT A TIME.

___ OTHER - PLEASE SPECIFY: ________________________

C) STAGE OF TRAINING: (PLEASE CHECK ALL THAT APPLY)

___ INITIAL - FIRST EXPOSURE TO A SYSTEM (BEGINNERS).

___ TRANSITION - TRAINED PERSONNEL MOVING INTO A SPECIFIC
  SYSTEM.

___ MOS IN UNIT - JOB TRAINING, NOT SPECIALIZED FOR A
  SPECIFIC SYSTEM.

___ OTHER - PLEASE SPECIFY: ________________________

D) STAGE OF ACQUISITION:

___ CONCEPT - DEVICE REQUIREMENT SPECIFIED.

___ DESIGN - SYSTEM DESIGN IN PROGRESS.

___ FABRICATION - DEVICE UNDER CONSTRUCTION.

___ FIELDED - DEVICE IN USE.

___ EVALUATED - TRAINING EFFECTIVENESS DETERMINED.

___ REDESIGN - DEVICE MODIFICATION IN PROGRESS.

E) TASK LISTS/TRAINING OBJECTIVES ARE AVAILABLE:

   YES ___  NO ___  NOT SURE ___  DATA IS CLASSIFIED ______
F) IF YES, PLEASE SPECIFY THE EXTENT/AMOUNT OF THE TASK DATA AVAILABLE:

________________________________________________________________________
________________________________________________________________________

G) THERE ARE TRAINEE PERFORMANCE DATA AVAILABLE:

YES _____  NO _____  NOT SURE _____

H) ANY PERFORMANCE DATA ARE FROM:

_____ PERFORMANCE IN THE TRAINER
_____ PERFORMANCE ON-THE-JOB
_____ OTHER - PLEASE SPECIFY:___________________________________________
APPENDIX B

ASTAR AND AIMS BROCHURES

B-1
(This Page Intentionally Left Blank)
AUTOMATED SIMULATOR TEST AND ASSESSMENT ROUTINE (ASTAR)

WHAT IS ASTAR?

The Automated Simulator Test and Assessment Routine (ASTAR) is an automated decision aid designed to assist an analyst in evaluating the effectiveness of a training device or method. ASTAR runs on an IBM Personal Computer or compatible with a dual floppy or hard disk drive system, and uses minimal computer storage space.

HOW DOES ASTAR WORK?

ASTAR uses generally accepted training principles, involving such issues as performance feedback and similarity of the trainer to operational equipment, to evaluate the effectiveness of any training method that involves practice on job tasks. ASTAR helps the analyst evaluate a training approach by asking questions about the training device features that affect learning difficulty or transfer of training to the job environment. ASTAR converts information and judgements provided by the analyst about various facets of the training system into a forecast of the system's effectiveness.

The program has three levels of evaluation based on level of detail available. ASTAR Level 1 uses general ratings from the analyst without building a data base with tasks and subtasks as Level 2 or 3 does. The decision about which level is used depends upon the amount of information the analyst has about the training device/method, the operational equipment/performance, the tasks to be trained, and the trainees themselves.

Using the analyst's ratings, ASTAR computes several "effectiveness" scores which can be used to make comparisons among devices or methods. An Acquisition Effectiveness score and a Transfer Effectiveness score provide a basis for comparisons of what is learned on the device and what remains to be learned on the job. These scores can be combined to produce a summary score of Training Effectiveness. Figure 1 indicates the kinds of information ASTAR uses to compute the effectiveness scores.

USES OF ASTAR:

ASTAR has been used successfully in a variety of applications, and is intended for use through all of the training system acquisition process. For example, ASTAR has been used to compare the effectiveness of:

* using a device-based training system vs. training on the operational equipment.

* two training devices that were being used to train the same tasks.
ASTAR has also been used to:

* investigate which of several utilization patterns was most effective for an existing device.

**Figure 1. The ASTAR Model of Training Device Effectiveness**
AUTOMATED INSTRUCTIONAL MEDIA SELECTION (AIMS)

WHAT IS AIMS?

The Automated Instructional Media Selection (AIMS) System aids the analyst in the selection of media/training equipment to satisfy training requirements. The system is more flexible than other media selection tools because the user can change the definitions and assumptions about media features inherent in the system. AIMS is available to run on an IBM Personal Computer or compatible with a dual floppy or hard drive system and uses minimal computer storage space.

HOW DOES AIMS WORK?

The analyst establishes a set of training objectives and then uses a checklist to identify the media attributes required to train each objective. Media attributes are instructional features, such as types of fidelity, methods of feedback, student-pacing techniques, etc. This information is entered in the computer to allow automatic selection of media which best satisfy the instructional requirements of the objectives. The selected media are ranked in order of appropriateness and the total number of times each medium is selected across all objectives is tabulated and printed out in a report.

Figure 1 represents the AIMS concept of operation. AIMS contains a data base of up to 50 media and 99 media attributes. The analyst can add to or delete from the data base, thereby changing the media model to fit particular needs.

USES OF THE AIMS SYSTEM

The AIMS system can be of use in a variety of analyses, including the following:

* Determine how training should be divided among training devices and actual equipment.
* Determine which instructional features of the training device are needed to accomplish training requirements.
* Compare several training device options to determine what best meets the training requirements.
* Identify tasks that can be trained more efficiently by using less inexpensive, lower fidelity devices.
* Identify which training objectives can be accomplished by using a training device.
Based on use of the AIMS system to date, the system has impacted the acquisition process so as to produce more cost-effective training.

Applications of AIMS have led to the following conclusions:

1) It has been applied to emerging aircrew training systems, and computer-based training systems.

2) It produces information that can be used in cost-effectiveness analyses.

3) It can be used by subject matter experts, instructional designers, and training managers.

4) It results in better use of simulators, aircraft time, and part-task training.

![Diagram: AIMS Concept of Operation]

Figure 2. AIMS Concept of Operation
SYSTEM: AIRFRAME MISSILE LAUNCHING SYSTEM

CONTACT: GORDON NESBITT
COMPANY: GD/VSD

PHONE: 945-8233 (714)

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: AIMS

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: AIRFRAME MISSILE LAUNCHING SYSTEM

TYPE OF SYSTEM: EMBEDDED

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: MOS IN UNIT

STAGE OF ACQUISITION: DESIGN

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NO

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: STINGER TRACKING HEAD TRAINER

CONTACT: GORDON NESBITT                         COMPANY: GD/VSD
PHONE: 945-8233 (714)
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: POSSIBLY
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS: AIMS
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: STINGER TRACKING HEAD TRAINER
TYPE OF SYSTEM: TRAINER
TYPE OF TRAINING: OPERATIONS, INDIVIDUAL
STAGE OF TRAINING: INITIAL, MOS IN UNIT
STAGE OF ACQUISITION: FIELDED
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: IN THE TRAINER, ON THE JOB
SYSTEM: AN/SLQ-32(V) OTD
CONTACT: PHIL ALVAREZ  COMPANY: USN
PHONE: 380-4166
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: NO
CURRENT NEED FOR AIMS: NO
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY
NAME OF SYSTEM: AN/SLQ-32(V) OTD
TYPE OF SYSTEM: TRAINER, SIMULATOR
TYPE OF TRAINING: INDIVIDUAL
STAGE OF TRAINING: TRANSITION
STAGE OF ACQUISITION: FABRICATION
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE, CLASSIFIED
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NO
ANY PERFORMANCE DATA:
SYSTEM: PRIME

CONTACT: RICHARD PETERS

COMPANY: ARMY/PM-TRADE

PHONE: 380-4310

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: PROJECT DIRECTORS IN PM-TRADE

WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: PRIME

TYPE OF SYSTEM: OTHER

TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL, OTHER

STAGE OF TRAINING: TRANSITION, MOS IN UNIT, OTHER

STAGE OF ACQUISITION: FABRICATION

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA: OTHER (NONE)
SYSTEM: ATAS/PMS

CONTACT: RICHARD PETERS

COMPANY: ARMY/PM-TRADE

PHONE: 380-4310

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: PROJECT DIRECTORS IN PM-TRADE

WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: ATAS/PMS

TYPE OF SYSTEM: OTHER

TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL, OTHER

STAGE OF TRAINING: TRANSITION, OTHER

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:
SYSTEM: SEAWOLF IAL
CONTACT: RICHARD HOOGSTRATEN
COMPANY: NEWPORT NEWS
SHIPBUILDING

PHONE: 688-2350 (804)

MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: NONE
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: SEAWOLF IAL
TYPE OF SYSTEM: TRAINER, SIMULATOR, OTHER
TYPE OF TRAINING: OPERATIONS, MAINTENANCE
STAGE OF TRAINING: INITIAL, TRANSITION, OTHER
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES

AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NO
ANY PERFORMANCE DATA:
SYSTEM: SEAWOLF WS

CONTACT: RICHARD HOOGSTRATEN

PHONE: 688-2350 (804)

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: NONE

FUTURE NEED FOR ASTAR/AIMS:

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: SEAWOLF WS

TYPE OF SYSTEM: TRAINER, SIMULATOR, OTHER

TYPE OF TRAINING: OPERATIONS, MAINTENANCE, TEAM, INDIVIDUAL

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVES AVAILABLE:

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: SIMNET

CONTACT: WILLIAM SZYMANSKI
COMPANY: US ARMY

PHONE: 380-4305

MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: CAPT. KEN HAWES

WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: SIMNET

TYPE OF SYSTEM: TRAINER, SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: OTHER

STAGE OF ACQUISITION: FIELDED

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:
SYSTEM: CLOSE COMBAT TACTICAL TRAINER

CONTACT: WILLIAM SZYMANSKI COMPANY: US ARMY

PHONE: 380-4305

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: CAP. KEN HAWES

WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: CLOSE COMBAT TACTICAL TRAINER

TYPE OF SYSTEM: TRAINER, SIMULATOR

TYPE OF TRAINING: TEAM

STAGE OF TRAINING: MOS IN UNIT

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NO

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: GUARD FIST I

CONTACT: KENNETH HAWES

PHONE: 380-4333

MORE INFO. ON ASTAR/AIMS: NO

CURRENT NEED FOR ASTAR: NO

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS:

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: NO

NAME OF SYSTEM: GUARD FIST I

TYPE OF SYSTEM: TRAINER

TYPE OF TRAINING: TEAM

STAGE OF TRAINING: TRANSITION

STAGE OF ACQUISITION: FABRICATION

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NO

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: THERMAL TARGET PROJECTOR

CONTACT: DON DECTHAN
COMPANY: PM-TRADE

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: NO
CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS:

OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES

NAME OF SYSTEM: THERMAL TARGET PROJECTOR

TYPE OF SYSTEM: TRAINER, SIMULATOR, EMBEDDED

TYPE OF TRAINING: OTHER

STAGE OF TRAINING: INITIAL, TRANSITION, MOS IN UNIT
STAGE OF ACQUISITION:

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA: IN THE TRAINER, ON THE JOB, OTHER
SYSTEM: FIRE TRAINERS
CONTACT: DON DECTHAN                   COMPANY: PM-TRADE
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: NO
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: FIRE TRAINERS
TYPE OF SYSTEM: TRAINER, SIMULATOR
TYPE OF TRAINING: OPERATIONS, TEAM
STAGE OF TRAINING: OTHER
STAGE OF ACQUISITION: FIELDED
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: IN THE TRAINER, ON THE JOB
SYSTEM: TSV

CONTACT: CHARLES CHANCELLOR
COMPANY: US ARMY
PHONE: 380-4251
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY
NAME OF SYSTEM: TSV
TYPE OF SYSTEM: TRAINER, EMBEDDED
TYPE OF TRAINING: OPERATIONS, TEAM
STAGE OF TRAINING: OTHER
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE
ANY PERFORMANCE DATA:
SYSTEM: TPGID
CONTACT: CHARLES CHANCELLOR COMPANY: US ARMY
PHONE: 380-4251
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY
NAME OF SYSTEM: TPGID
TYPE OF SYSTEM: SIMULATOR
TYPE OF TRAINING: OPERATIONS, TEAM
STAGE OF TRAINING: INITIAL
STAGE OF ACQUISITION: FIELDDED
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE
ANY PERFORMANCE DATA:
SYSTEM: CHAPARRAL TPT
CONTACT: ROBERT JESKA
PHONE: 380-4320
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: POSSIBLY
OTHER TYPES OF DECISION AID: NONE
CURRENT APPROACH: USER ACCEPTANCE
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST:
NAME OF SYSTEM: CHAPARRAL TPT
TYPE OF SYSTEM: TRAINER, SIMULATOR, EMBEDDED
TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL
STAGE OF TRAINING: TRANSITION
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA: DRAFT CTDR
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: OTHER

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SYSTEM: LVT
CONTACT: DAVID DALY            COMPANY: NTSC
PHONE: 380-4173
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID: ANY AUTOMATED ISD TOOLS
CURRENT APPROACH: ISD
FUTURE NEED FOR ASTAR/AIMS: ASTAR, AIMS
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: LVT
TYPE OF SYSTEM: TRAINER
TYPE OF TRAINING: OPERATIONS, MAINTENANCE
STAGE OF TRAINING: INITIAL, TRANSITION
STAGE OF ACQUISITION: EVALUATED
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA: EXTENSIVE
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: IN THE TRAINER
SYSTEM: LAV
CONTACT: DAVID DALY
COMPANY: NTSC
PHONE: 380-4173
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID: ANY AUTOMATED ISD TOOLS
CURRENT APPROACH: ISD
FUTURE NEED FOR ASTAR/AIMS: ASTAR, AIMS
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: LAV
TYPE OF SYSTEM: SIMULATOR
TYPE OF TRAINING: TEAM
STAGE OF TRAINING: INITIAL, TRANSITION
STAGE OF ACQUISITION: FIELDED
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES
AMOUNT OF TASK DATA: EXTENSIVE
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: IN THE TRAINER
SYSTEM: LCAC FMT DEV 20G6

CONTACT: JAMES LAU

PHONE: 380-8508

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: NTSC SOL'S, TETAP

FUTURE NEED FOR ASTAR/AIMS: AIMS

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: LCAC FMT

TYPE OF SYSTEM: SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL

STAGE OF TRAINING: INITIAL, TRANSITION

STAGE OF ACQUISITION: DESIGN, FABRICATION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA: TASK SKILL, COURSE OUTLINE AND CURRICULUM

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: ON THE JOB, OTHER
SYSTEM: LCAC CFT DEV 20G7
CONTACT: JAY SUJANSKY
COMPANY: NTSC
PHONE: 380-4249
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS:
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: TETAP, NTSC SOL'S
FUTURE NEED FOR ASTAR/AIMS: AIMS
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: LCAC CFT DEV 20G7
TYPE OF SYSTEM: SIMULATOR, TRAINER
TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL
STAGE OF TRAINING: INITIAL
STAGE OF ACQUISITION: FABRICATION, DESIGN
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES
AMOUNT OF TASK DATA: TSAR, OBJECTIVES, TASKS
TRAINEE PERFORMANCE DATA AVAILABLE: YES
ANY PERFORMANCE DATA: ON THE JOB
SYSTEM: UH60 BLACKHAWK FLIGHT SIMULATOR

CONTACT: CLEMENT E. GREEK

COMPANY: PM-TRADE

PHONE: 380-8174

MORE INFO. ON ASTAR/AIMS: NO

CURRENT NEED FOR ASTAR: NO

CURRENT NEED FOR AIMS:

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: USER FEEDBACK

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: NO

NAME OF SYSTEM: UH60 BLACKHAWK FLIGHT SIMULATOR

TYPE OF SYSTEM: SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL

STAGE OF TRAINING: INITIAL, TRANSITION, OTHER

STAGE OF ACQUISITION: FIELDDED, EVALUATED, REDISEIGN

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: IN THE TRAINER
SYSTEM: LOAST

CONTACT: MICHAEL T. SIMS
COMPANY: PM-TRADE

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: CONCEPT FORMULATION PROCESS

FUTURE NEED FOR ASTAR/AIMS: OTHER

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: NO

NAME OF SYSTEM: LOAST

TYPE OF SYSTEM: TRAINER, SIMULATOR, EMBEDDED

TYPE OF TRAINING: OPERATIONS, MAINTENANCE, TEAM, INDIVIDUAL

STAGE OF TRAINING: INITIAL, TRANSITION, MOS IN UNIT

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:
SYSTEM: CH47D DFS
CONTACT: MICHAEL T. HICKS COMPANY: PM-TRADE
PHONE: 380-4323
MORE INFO. ON ASTAR/AIMS: NO
CURRENT NEED FOR ASTAR: NO
CURRENT NEED FOR AIMS: NO
OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY
NAME OF SYSTEM: CH47D DFS
TYPE OF SYSTEM: TRAINER, SIMULATOR
TYPE OF TRAINING: OPERATIONS, TEAM
STAGE OF TRAINING: INITIAL, TRANSITION, OTHER
STAGE OF ACQUISITION: FIELD
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA:
TRAIINEE PERFORMANCE DATA AVAILABLE: NOT SURE
ANY PERFORMANCE DATA:
SYSTEM: THE SIX HFM VEHICLES

CONTACT: LES CURLESS

PHONE: 380-4340

MORE INFO. ON ASTAR/AIMS:

CURRENT NEED FOR ASTAR: NO
CURRENT NEED FOR AIMS: NO

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: THE SIX HFM VEHICLES

TYPE OF SYSTEM: SIMULATOR, EMBEDDED, OTHER

TYPE OF TRAINING: OPERATIONS, MAINTENANCE, TEAM, INDIVIDUAL,

OTHER STAGE OF TRAINING: INITIAL, TRANSITION, MON IN UNIT, OTHER

STAGE OF ACQUISITION: IDENTIFICATION OF DEVICE REQUIREMENTS

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NO

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: SLAR
CONTACT: BETSY LEON
PHONE: 380-4376
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: POSSIBLY
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: MEDIA ANALYSIS, SUBJECT MATTER EXPERTS
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: SLAR
TYPE OF SYSTEM: TRAINER, SIMULATOR
TYPE OF TRAINING: OPERATIONS, INDIVIDUAL
STAGE OF TRAINING: TRANSITION
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA: LIST OF CRITICAL TASKS TO BE TRAINED
TRAINEE PERFORMANCE DATA AVAILABLE: NO
ANY PERFORMANCE DATA:
SYSTEM: SAWE-RF

CONTACT: GARY NEWMAN

COMPANY: PM-TRADE

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: HIGH ATMOSPHERIC EXTRAPOLATION

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: SAWE-RF

TYPE OF SYSTEM: TRAINER

TYPE OF TRAINING: OPERATIONS, TEAM, OTHER

STAGE OF TRAINING: OTHER (TES)

STAGE OF ACQUISITION: DESIGN

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:
SYSTEM: LHX INTEGRATED TRAINING SYS.
CONTACT: RUSSELL G. LEMANSKI       COMPANY: PM-TRADE
PHONE: 380-4282
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: TRADOC'S SYS. APPROACH
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY
NAME OF SYSTEM: LHX INTEGRATED TRAINING SYS.
TYPE OF SYSTEM: TRAINER, SIMULATOR, EMBEDDED, OTHER
TYPE OF TRAINING: TEAM
STAGE OF TRAINING: INITIAL, TRANSITION
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE
ANY PERFORMANCE DATA:
SYSTEM: AH-64 (APACHE)

CONTACT: RUSSELL G. LEMANSKI
COMPANY: PM-TRADE

PHONE: 380-4282

MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:
CURRENT APPROACH: TRADOC'S SYS. APPROACH
FUTURE NEED FOR ASTAR/AIMS:

OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: AH-64 (APACHE)

TYPE OF SYSTEM: TRAINER

TYPE OF TRAINING: TEAM, INDIVIDUAL

STAGE OF TRAINING: INITIAL

STAGE OF ACQUISITION: FIELDING, REDESIGN

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: IN THE TRAINER
SYSTEM: ARTBASS

CONTACT: JAMES T. MOSLEY           COMPANY: PM-TRADE

PHONE: 380-4308

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: NO

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: USER TEST, REQUIREMENT ANALYSIS

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: BILL MATHEW

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: ARTBASS

TYPE OF SYSTEM: SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: INITIAL, OTHER

STAGE OF ACQUISITION: DESIGN, FIELDED

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES

AMOUNT OF TASK DATA: NOT SURE

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: IN THE TRAINER
SYSTEM: MOBILE INDEPENDENT TARGET SYSTEM

CONTACT: JAMES T. MOSLEY COMPANY: PM-TRADE

PHONE: 380-4308

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: NO

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: USER TEST, REQUIREMENT ANALYSIS

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: BILL MATHEW

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: MOBILE INDEPENDENT TARGET SYSTEM

TYPE OF SYSTEM: SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: MOS IN UNIT

STAGE OF ACQUISITION: FABRICATION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:

C-31
SYSTEM: SCOTT

CONTACT: BILL GOODRICK COMPANY: PM-TRADE

PHONE: 380-4375

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID: OSBAT (IF DEVELOPED)

CURRENT APPROACH: TASK ANALYSIS

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: MOSLEY, ANDERSON

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: SCOTT

TYPE OF SYSTEM: TRAINER, SIMULATOR

TYPE OF TRAINING: OPERATIONS, MAINTENANCE

STAGE OF TRAINING: TRANSITION

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES

AMOUNT OF TASK DATA: TASK ANALYSIS COMPLETED

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:

C-32
SYSTEM: SIGINT/EW TACTICAL PROFICIENCY TRAINER

CONTACT: RICHARD F. BODETTE                      COMPANY: PM-TRADE

PHONE: 380-4358

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR:

CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: AIMS

OTHER PERSONS:

WILLING TO PARTICIPATE IN FIELD TEST: YES

NAME OF SYSTEM: SIGINT/EW TACTICAL PROFICIENCY TRAINER

TYPE OF SYSTEM: EMBEDDED

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: OTHER

STAGE OF ACQUISITION: CONCEPT

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA: C-33
SYSTEM: NBC-CAS
CONTACT: ED ARCH
PHONE: 380-4377
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: POSSIBLY
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: EXPERIENCE
FUTURE NEED FOR ASTAR/AIMS: ASTAR, AIMS
OTHER PERSONS:
WILLING TO PARTICIPATE IN A FIELD TEST: YES
NAME OF SYSTEM: NBC-CAS
TYPE OF SYSTEM: TRAINER
TYPE OF TRAINING: OPERATIONS, TEAM, INDIVIDUAL
STAGE OF TRAINING: MOS IN UNIT
STAGE OF ACQUISITION: CONCEPT
TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NO
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NO
ANY PERFORMANCE DATA:
SYSTEM: DEEP BATTLE INTEGRATION TRAINING

CONTACT: HUNG NGUYEN
COMPANY: PM-TRADE

PHONE: 380-4361

MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: YES
CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS:
OTHER PERSONS: PATRICK SPANGIER

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: DEEP BATTLE INTEGRATION TRAINING
TYPE OF SYSTEM: TRAINER, SIMULATOR, OTHER, EMBEDDED
TYPE OF TRAINING: OPERATIONS, MAINTENANCE, TEAM
STAGE OF TRAINING: OTHER
STAGE OF ACQUISITION: FIELDED, REDesign

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: YES
AMOUNT OF TASK DATA: TRAINING DEVICE REQUIREMENTS, SPECS, O&O
PLANS TRAINEE PERFORMANCE DATA AVAILABLE: NO
ANY PERFORMANCE DATA: OTHER
SYSTEM: TWGSS/PGS

CONTACT: JIM SURHIGH (BILL DRUCKER)  COMPANY: PM-TRADE

PHONE: 380-4351

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY

CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: EXPERIENCE

FUTURE NEED FOR ASTAR/AIMS: AIMS, ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN A FIELD TEST: POSSIBLY

NAME OF SYSTEM: TWGSS/PGS

TYPE OF SYSTEM: TRAINER, SIMULATOR

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF TRAINING: INITIAL, TRANSITION, MOS IN UNIT, OTHER

STAGE OF ACQUISITION: FABRICATION

TASK LISTS/TRAINING OBJECTIVENESS AVAILABLE: NOT SURE

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA:
SYSTEM: DSCS FAMILY

CONTACT: BILL GOODRICK

PHONE: 380-4375

COMPANY: PM-TRADE

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID: OSBAT (IF DEVELOPED)

CURRENT APPROACH: TASK ANALYSIS

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS: MOSLEY, ANDERSON

WILLING TO PARTICIPATE IN FIELD TEST: POSSIBLY

NAME OF SYSTEM: DSCS FAMILY

TYPE OF SYSTEM: TRAINER, SIMULATOR

TYPE OF TRAINING: OPERATIONS, MAINTENANCE

STAGE OF ACQUISITION: CONCEPT

STAGE OF TRAINING: TRANSITION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA: TASK ANALYSIS COMPLETE

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: OTHER
SYSTEM: FOREIGN LANGUAGE TRAINING

CONTACT: JOHN LETT

PHONE: (408) 647-5683

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: MAYBE

CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH: STANDARD ISD PROCESS

FUTURE NEED FOR ASTAR/AIMS:

OTHER PERSONS: SABINE ATWELL, AL SCOTT

WILLING TO PARTICIPATE IN FIELD TEST: YES

NAME OF SYSTEM:

TYPE OF SYSTEM: FOREIGN LANGUAGE TRAINING

TYPE OF TRAINING: OPERATIONS

STAGE OF ACQUISITION: CONCEPT/DESIGN

STAGE OF TRAINING: INITIAL

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA: SOME

TRAINEE PERFORMANCE DATA AVAILABLE: YES

ANY PERFORMANCE DATA: N/A

C-38
SYSTEM: FIREFINDER INTERMEDIATE MAINTENANCE TRAINER

CONTACT: RICHARD C. GILMOUR (GARY NEWMAN) COMPANY: PM TRADE

PHONE: 380-4439

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: N/A

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN FIELD TEST: POSSIBLY

NAME OF SYSTEM: FIREFINDER INTERMEDIATE MAINTENANCE TRAINER

TYPE OF SYSTEM: TRAINER

TYPE OF TRAINING: MAINTENANCE, INDIVIDUAL

STAGE OF ACQUISITION: CONCEPT

STAGE OF TRAINING: TRANSITION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA: UNKNOWN

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA:
SYSTEM: NUCLEAR WEAPONS EFFECT SIMULATOR
CONTACT: DAVID RYBAT
PHONE: 380-4476
MORE INFO. ON ASTAR/AIMS: YES
CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: YES
OTHER TYPES OF DECISION AID:
CURRENT APPROACH: CONCEPT FORMULATION PROCESS
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS: E. ARCH, J. BINKIEWICZ
WILLING TO PARTICIPATE IN FIELD TEST: YES
NAME OF SYSTEM: NUCLEAR WEAPONS EFFECT SIMULATOR
TYPE OF SYSTEM: TRAINER, SIMULATOR
TYPE OF TRAINING: OPERATIONS, TEAM
STAGE OF ACQUISITION: CONCEPT
STAGE OF TRAINING: INITIAL, MOS, TRANSITION
TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES
AMOUNT OF TASK DATA:
TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE
ANY PERFORMANCE DATA: OTHER
SYSTEM: LOS-F-H FORCE-ON-FORCE TRAINER

CONTACT: DAVID RYBAT

PHONE: 380-4476

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: POSSIBLY
CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:
CURRENT APPROACH:
FUTURE NEED FOR ASTAR/AIMS: ASTAR
OTHER PERSONS:
WILLING TO PARTICIPATE IN FIELD TEST: YES

NAME OF SYSTEM: LOS-F-H FORCE-ON-FORCE TRAINER

TYPE OF SYSTEM: TRAINER, SIMULATOR, EMBEDDED

TYPE OF TRAINING: OPERATIONS, TEAM

STAGE OF ACQUISITION: CONCEPT

STAGE OF TRAINING: INITIAL, MOS, TRANSITION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: NOT SURE

AMOUNT OF TASK DATA: NOT SURE

TRAINEE PERFORMANCE DATA AVAILABLE: NOT SURE

ANY PERFORMANCE DATA: PERFORMANCE ON THE JOB
SYSTEM: BRIGADE/BATTALION BATTLE SIMULATION

CONTACT: FRANK THWEATT, JR.                      COMPANY: PM TRADE

PHONE: 380-4434

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: NO

CURRENT NEED FOR AIMS: POSSIBLY

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: AIMS

OTHER PERSONS: M. JONES, R. WATSON, B. KEACH

WILLING TO PARTICIPATE IN FIELD TEST: POSSIBLY

NAME OF SYSTEM: BRIGADE/BATTALION BATTLE SIMULATION

TYPE OF SYSTEM: SIMULATOR, OTHER

TYPE OF TRAINING: OPERATIONS, OTHER

STAGE OF ACQUISITION: DESIGN, FABRICATION, FIELDED

STAGE OF TRAINING: TRANSITION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA: OTHER
SYSTEM: MCTFIST

CONTACT: RUSS IRVINE

PHONE: 380-4185

MORE INFO. ON ASTAR/AIMS: YES

CURRENT NEED FOR ASTAR: YES

CURRENT NEED FOR AIMS: YES

OTHER TYPES OF DECISION AID:

CURRENT APPROACH:

FUTURE NEED FOR ASTAR/AIMS: AIMS, ASTAR

OTHER PERSONS:

WILLING TO PARTICIPATE IN FIELD TEST: YES

NAME OF SYSTEM: MCTFIST

TYPE OF SYSTEM: TRAINER

TYPE OF TRAINING: OPERATIONS

STAGE OF ACQUISITION: FIELDED

STAGE OF TRAINING: TRANSITION

TASK LISTS/TRAINING OBJECTIVES AVAILABLE: YES

AMOUNT OF TASK DATA:

TRAINEE PERFORMANCE DATA AVAILABLE: NO

ANY PERFORMANCE DATA: OTHER