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ASKS, SKILL QUALIFICATION TEST TA: AND DUTY MODULE TASKS

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November 14, 1977

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Prepared for

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Contract No. DAHC-19-76-C-0046

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Unclas : Ified ATION OF THIS PAGE (When Data ! Parent) READ INSTRUCTIONS 27-DOCUMENTATION PAGE BEFORE COMPLETING PORM 2. GOVT ACCESSION NO. 3. PECIPIENT'S CATALOG NUMBER Research Note REPORT & PERIOD COLERED TITLE (cod Sublitte Duty Module Validation for Accomplishing Training Final Technical Repart, Feedback Volume II The Relationships among PERFORMUGORG, REPORT CODAP Tasks, Skill Qualification Test Tasks, and 2 Duty Module Tasks 1 TINUMBE 2(s) DAHC 19-76-C-0046 Hadley, H.I.; Davis, W.P.; and Korotkin, A.L. 9. PERFORMING ORGANIZATION NAME AND ADDRESS 10. PROGRAM ELEMENT, PROJECT, TAS.; ARCA & WORK UNIT NUMBERS R. A. Gibboney Associates, Inc. 6.37.31A768 10605 Concord St., Kensington, MD 20795 11. CONTROLLING OFFICE NAME AND ADDRESS 12. REPORT-DATE-November 14 2977 US Army Research Institute (PERI-IS) 13-NUMBER OF PAGE 5001 Eisenhower Avenue Alexandria, VA 56 ADDRESS (If Alleron from Controlling Office) 15. SECURITY CLASS. (of this report) Harrier S. 14 a Clerg <u>Unclassified</u> 15a, DECLASSIFICATION/DOWNGRADING SCHEDULE 15. DISTRIBUTION STATEMENT (of this Report) Approved for public release distribution unlimited. 17. DISTRIBUTION STATEMENT (of the abstract entered in black 20, if different from Report) 18. SUPPLEMENTARY NOTES Technical monitor of the contract was Francis F. Medland, ARI. 19. KEY WORDS (Continuo on reverse side II necessary and identify by block number) Comprehensive Occupational Data Analysis Program (CODAP), Duty Modules, Skill Qualification Test (SQT), Written Component (WC), Hands-on Component (HOC), Performance Certification Component (PCC), Combat Arms Training Board (CATB), Soldier's Manual (SM). 0. ADSTRACT (Continuo on revorse side if necessary and identify by block number) Department of Army Contract DAHC19-76-C-0046, issued by US Army Research Institute for the Behavioral and Social Sciences to Richard A. Gibboney Associates, titled Duty Module Validation for Accomplishing Training Feedback, 15 Sep 76 contained a requirement for two separate final reports. The primary report covering the development of a mechanism for providing objective feedback from Army field units regarding the adequacy of occupational training in Army Service Schools, has been reported on by the Contractor under separate cover. The additional analyses, dealing with the relationship among CODAP tasks, Duty Module tasks and Skill UD 1000 1473 COLLION OF LHOY Unclassified 393490 S. CURITY GLASSIFICATION OF THIS PAGE (6590 D.H.)

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The scope of size of a job task varies considerably depending on what the job data are to be used for and the level of the job the task data are defining. Job tasks that are to be used for personnel classification and assignment must be fairly broad in scope while those to be used to design an occupational training course for a piece of new equipment must be more detailed. Those that are describing a field grade officer position can be comprehensive in size while those describing a junior grade enlisted job must, by the nature of the work, be narrow and specific.

The interrelationship among tasks of differing scope as employed in different programs, and their value in providing training information feedback was the basis for this report. Three sets of tasks, all describing the same job classification but drawn from different programs were used. In all three cases the MOS described was 11E, Armor Crewman comprising four different skill levels and covering grades E-1 through E-8. The programs from which the task data were drawn were the DA program of enlisted Skill Qualification Tests, the Military Personnel Center's CODAP program of inventorying enlisted jobs on a cyclic basis, and the USARI program of developing Duty Modules for officer and enlisted jobs.

INTRODUCTION:

Department of Army Contract DAHC19-0046, issued by US Army Research Institute for the Behavioral and Social Sciences to Richard A. Gibboney Associates, titled Duty Module Validation for Accomplishing Training Feedback, 15 Sep 76 contained a requirement for two separate final reports. The primary report covering the development of a mechanism for providing objective feedback from Army field units regarding the adequacy of occupational training in Army Service Schools, has been reported on by the Contractor under separate cover. The additional analyses, dealing with the relationship among CODAP tasks, Duty Module tasks and Skill Qualification Test tasks and their utility for providing training information feedback, is contained in this second volume (Volume II).

The scope or size of a job task varies considerably depending on what the job data are to be used for and the level of the job the task data are defining. Job tasks that are to be used for personnel classification and assignment must be fairly broad in scope while those to be used to design an occupational training course for a piece of new equipment must be more detailed. Those that are describing a field grade officer position can be comprehensive in size while those describing a junior grade enlisted job must, by the nature of the work, be narrow and specific. A few examples might aid in showing the wide range in scope of tasks depending on the program with which the tasks are to be employed or the level of the job being specified.

If the job being defined is that of an Operations Officer in the General Staff of the Department of the Army, "Plans and prepares classified operations orders" might be an appropriate task. If, however, the job of the GS-2 file clerk in the same office is being described, an appropriate level task might well be "Files second tissue copy of operations orders in classified file in accordance with file number entered in red on top of copy". Likewise, if the job data are going to be used largely for purposes of classification and assignment of personnel, an appropriate level of task might well be "Administers emergency first aid". If one is designing a Program of Instruction for a training course, however, a task on the level of "Administers atropine injections to nerve agent casualties with a pressure injector" would be needed. The interrelationship among tasks of differing scope, as employed in different programs, and their value in providing training information feedback was the basis for this report. Three sets of tasks, all describing the same job classification but drawn from different programs were used. In all three cases the MOS described was 11E, Armor Crewman comprising four different skill levels and covering grades E-1 through E-8. The programs from which the task data were drawn were the DA program of enlisted Skill Qualification Tests, the Military Personnel Center's CODAP program of inventorying enlisted jobs on a cyclic basis, and the USARI program of developing Duty Modules for officer and enlisted jobs.

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1. Skill Qualification Test Tasks.

Recently, the Army started a program of Skill Qualification Testing (SQT); for example, the test for Armor Crewman, MOS 11E, was first given during the period April-June 1977. The test consists of three components, a Written Component (WC), a Hands-On Component (HOC), and a Performance Certification Component (PCC). There is a separate test for skill levels 2, 3, and 4. The MOS 11E, Armor Crewman, is currently undergoing revision, and will be broken into three new MOS. One MOS will be for the M60Al tank crew, one for the M60A2 tank crew, and one for the M551 AR/AAV. This MOS revision is based on the job requirements of the tasks being performed in the field by units with radically different equipment. As a consequence, the tests not only have the three components explained above, each test component is divided into a common core of test items followed by three "tracks" where needed to bring out differences among the three kinds of armored vehicles in use. As a consequence the SQT for MOS 11E consists of 9 separate tests, one for each of the three skill levels of the MOS being tested (skill levels 2, 3, 4) each being in turn divided into three tracks (the M60Al tank, the M60A2 tank and the M551 AR/AAV) and these into three components each. The written components of the tests contain between 40 and 50 scorable units each, and are based on tasks considered important to survival in combat, accomplishment of the job, and accomplishment of the mission of the unit. The Hands-On Component of the tests is also based on tasks considered important to the job of the Armor Crewman. The Performance Certification Component of the tests is based on a physical fitness

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test and qualification with the Cal. 45 pistol. References supporting the above are listed in Inclosure 1, items 1 through 6.

The tasks used in SQT's were taken from the applicable Soldier's Manual (SM) for the applicable skill level of MOS 11E and are identical with those contained in the SM. The SQT's do not, of course, use all the tasks shown in the SM, but are a sample used to represent the whole of the MOS plus a skill level. The SM's from which the sample tasks were drawn are identified in Inclosure 1, items 8, 9, 10. The tasks used are also identical with those used in the TRADOC Individual Training Program (ITP) for MOS 11E, Skill Levels 1, 2, 3, 4, 5. (Reference 7, Inclosure 1.)

Tracking the origin of the tasks back even farther, however, it appears that they were adapted from those developed by the USA Combat Arms Training Board (USACATB) in a list of critical and important tasks in 8 combat arms MOS published in October, 1974. While not identical with those in the SQT's, they are so similar in scope and wording as to leave little doubt that the USACATB Report (Reference 11, Inclosure 1) served as the source material.

Pinning down the origin and development of the tasks in the SQT's is important in that it shows the entire process was carried out by training personnel. This may produce a bias in the tasks. It is a sort of closed loop wherein the trainers train what the testers test, and the testers test what the trainers train. There is no evidence to show that actual job requirements of units in the field were used to formulate the tasks used by the trainers or to change the emphasis of the testers. The tasks used in the SQT's for MOS 11D, Armor Reconnaissance Specialist, were also secured and examined, however no different types of problems were uncovered in the analysis of them. For purposes of any specialized interest, the tasks of the SQT's for MOS 11D are shown at Inclosure 3 by various test components and broken down by skill level.

The tasks for MOS 11E are shown at Inclosure 2. Each task is shown for the three components of the SQT's, i.e., WC, HOC and PCC separately. It will be noted that there is some duplication among components. Within component, each task is shown by task number, task title, and applicability to the separate skill levels (2, 3, 4) of MOS 11E. Tasks which form a common core of items which all Armor Crewman take regardless of type of tank or

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AR/AAV with which a unit is equipped are shown first followed by those tasks unique to a particular track for the M60A1, the M60A2 or the M551 AR/AAV. It will be also noted that those tasks used to test skill level 2 are repeated for skill level 3 and additional items added on, and that for skill level 4 more additional items are added. Generally the vast majority of the task test items for skill level 3 are repeated in the skill level 4 test. In the HOC portions of the SQT's, the skill level 2 and 3 use identical task test items, while the skill level 4 has no HOC. All 3 skill levels have identical items in the PCC of the test.

2. CODAP Tasks.

While SQT tasks have been constructed by training personnel based upon subject matter knowledge. CODAP tasks have been gathered from personnel performing the applicable jobs in field units. CODAP reports are put out by MILPERCEN, DA based upon recurring job surveys of incumbents in CONUS and overseas units. The CODAP reports for both MOS 11E, Armor Crewman and MOS 11D, Armor Reconnaissance Specialist were requested from MILPERCEN for comparative research on the project, however, only that for MOS 11E was available.

The CODAP report for MOS 11E is based on a field survey sample of 658 cases, and contains 898 tasks which have been classified into 21 duties. The duties into which the tasks have been classified are shown at Inclosure 4 along with the percent of members performing one or more of the tasks of the duty, and three summaries of the average percent of time spent on a duty. Examination of the duties in MOS 11E indicates that they are primarily position groupings rather than occupational groupings, e.g., "Perform Master Gunner Duties", "Perform Tank Operator Duties", "Perform Operations Staff Section Duties". This is unfortunate because the interrelationships among duties and tasks are not apparent; such as that between master gunnery tasks and weapon systems operational tasks, or tank operation tasks and track vehicle operation tasks, which although similar in tasks performed and skills, knowledges and abilities required are not contiguous in the duty structure or the task structure.

A sample page from the task list is shown at Inclosure 5. The opposing figures again show percent of persons surveyed performing the task and percent of time spent on the task. An examination of the CODAP tasks reveals that

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they are extremely narrow in scope. For example, the following tasks concerned with driving the M60A1 tank appear on this single page:

> Drive M60Al over paved surfaces. Drive M60Al during reduced visibility. Drive M60Al during darkness under blackout conditions. Drive M60Al in convoy. Drive M60Al over mud/snow/sand/ice. Drive M60Al crossing ditches/shell holes/trenches. Drive M60Al ascending steep grades. Drive M60Al descending steep grades.

Two additional tasks concerning driving the M6OAl appear on an adjacent page. An equivalent set of tasks are also shown for driving the M6OA2, the M551, the M113 and wheel vehicles. This would seem to be a set of tasks which are too narrow for constructing or reviewing even the most detailed of training programs.

While the figure given for percent of persons surveyed who are performing a task is of some value, it must be used with a fairly extensive knowledge of Armor tactics and Armor units and equipment. Otherwise, as far more persons responded to the item on driving the M60A1 than did the items on the M60A2 or the M551, it would be easy to come to the erroneous conclusion that the school should teach driving the M60A1 if you didn't know that it is being replaced. It would seem to be preferable for a task analysis to indicate and group the number of Armor Crewmen who drive tanks and other track vehicles as their primary duty as against the Armor Crewmen who serve the tank gun/missile. This cannot be determined from the CODAP report as it is presently constituted. Generally, too narrow or specific a set of tasks tends to yield a welter or somewhat meaningless data while obscuring the differences and relationships among jobs.

Nevertheless the CODAP tasks have one major advantage over the tasks contained in the SQT's. The CODAP task data were drawn directly from the job incumbents in active field units, and as such present an outside source for verifying training.

3. Duty Module Tasks.

Enlisted Duty Modules were conceived and developed in conjunction with a long range research program of the USARI. Details of the early conception and the subsequent development of Duty Modules into a usable instrument are described in References 12 and 13. Duty Modules are essentially clusters

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of tasks that go together occupationally and organizationally in meaningful ways. They were originally designed for use with the Army's job classification and personnel assignment systems. Among the early enlisted Duty Modules developed by members of the research staff on the current project were those for the MOS 11E, Armor Crewman, examples of these are shown in Reference 13.

As the early Duty Modules for MOS 11E were constructed in 1973, it was found necessary to revise and update them to bring them abreast of changes in Armor organization and equipment. This was accomplished using the CODAP data for MOS 11E as furnished by USA MILPERCEN. Generally new tasks which showed a significant percentage of personnel performing them were added to the appropriate Duty Module and old tasks which showed little or no percent of job incumbents performing them were dropped. As the tasks in the CODAP runs are extremely narrow and tied to specific pieces of equipment, they were consolidered and broadened to match the scope of tasks employed in the Duty Module system. The resulting revised and updated Duty Modules for MOS 11E, Armor Crewman are attached at Inclosure 6. To date, enlisted Duty Module tasks have been employed experimentally in personnel and manpower management programs such as classifying and evaluating jobs, and matching manpower resources and requirements. As they were designed to bring out the similarities among jobs rather than the differences among jobs, they have proved their value in programs of this sort. The current research was directed toward the efficacy of Duty Module tasks in providing training feedback information for occupational training course revision.

4. Comparison of SQT, CODAP and Duty Module Tasks.

A close examination of the tasks contained in the SQT, the CODAP and the Duty Modules for MOS 11E, Armor Crewman reveals that they are of widely divergent scope. Figure 1 shows some examples of task scope with regard to identical occupational areas as shown from the three sources. In general, the CODAP tasks are the narrowest, the SQT tasks are intermediate, and the Duty Module tasks are the broadest in scope. In some cases the SQT tasks and the CODAP tasks are almost identical in breadth of coverage, but more often the SQT tasks cover more work activity within a single task than do those in CODAP. Occasionally a Duty Module task will be of similar scope to those in SQT or CODAP, but by and large they are much more comprehensive.

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CODAP AND DUTY MODULES	CODAP Task	Drive M60Al ascending steep grades	Zero M60Al tank main gun	<pre>Determine location by map intersection/resection</pre>	. Load M60Al tank 155mm gun			
TASKS DRAWN FROM SQT, MOS 11E, ARMOR CREMMAN	SQT Task	Operate M60Al tank	Zero an M60Al main gun	Measure ground distance using a map	Perform loader prepare- to fire checks		Figure 1	
DIFFERENCES IN SCOPE FOR	Duty Module Task	Drives tanks and armored vehicles in combat and non-combat situations	Boresight and adjust tank gun and associated fire control equipment	Plot distances and locations and determine elevations by intersection or other techniques	Employ tank gun			

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The examples shown in Figure 1 all exemplify the greater scope of Duty Module tasks. While a broad, comprehensive task is desirable for classification of jobs and assignment of personnel where substitutability is important, it is not particularly helpful in the establishment or revision of a training course. For example a report that recent graduates of the Armor Crewman course are deficient in "Boresighting and adjusting a tank gun and associated fire control equipment" may not be too helpful to a curriculum designer. He would be left in doubt as to just what meeded to be changed in the program of instruction. If, however, the report was that the graduates were deficient in "Zeroing the M60Al tank main gun" the trainer would know exactly which part of the gunnery training should be modified or augmented.

In addition to the difference in scope of the three sets of tasks, it is also important to examine the total job coverage of the three, particularly those tasks in the SQT which are a sample of tasks rather than a complete list. As the CODAP run was used to update the Duty Module tasks, all significant tasks in the CODAP run can be accounted for by the Duty Module tasks either as a counterpart task, or as a sub-task which can be subsumed under a Duty Module task along with others. This relationship is shown in Figure 2. In the interests of brevity, only a sample of the many tasks that would be subsumed under the single Duty Module task are shown.

As the Duty Module tasks and the CODAP tasks have already been tied together, of greater interest is the relationship between the SQT tasks and the Duty Module tasks. The SQT tasks are, by definition, a sample of tasks for testing various skill levels of MOS 11E, Armor Crewman; while the Duty Module tasks provide complete coverage of all Armor Crewmen in all positions. In order to determine the relationship, the first step was to see if there was a Duty Module task which was a counterpart of or a wider description of each SQT task. The results of this allocation of tasks is shown at Inclosure 7.

Inclosure 7 shows the Duty Module task number in the first column, the SQT task title which is a counterpart of or has been_subsumed under it in the second column, and the skill levels to which the SQT task applies in the third set of columns. Additionally, the entire list is broken into the written, hands-on and performance certification components of the tests and the three tracks for different armored vehicles. As can be observed, the SQT

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SUBSUMMATION OF CODAP TASKS UNDER DUTY MODULE TASK

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Duty Module Task:

Drives tanks and armored vehicles in combat and non-combat situations.

Subsumed CODAP Tasks:

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M60Al over paved surfaces. Drive

- during reduced visibility (dust/darkness). M60A1 Drive Drive : ī .
 - M60Al in convoy.
- M60Al over mud/snow/sand/ice.
- Drive N

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- M551 AR/AAV over level terrain. M551 AR/AAV during reduced visibility (dust/darkness). Drive ī 1
 - Drive 1 1
 - M60A2 ascending steep grades. M60A2 during darkness under blackout conditions. Drive *
 - * * * * * * * * * * * * * *
- Drive M60A2 over water obstacles. ŧ

Figure 2

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tasks were easily classified against Duty Module tasks with a few exceptions. The exceptions were of two types. The first is an extremely narrow task in the SQT which is difficult to place with certainty in a Duty Module task. An example of this type of task is "Extinguish a fire in a tank". It does not fit appropriately in either the Duty Module on operation of the tank, or in the Duty Module on servicing and maintaining the tank. The second type of exception is indicated by the SQT task "Prepare a spot report". As shown in the Inclosure this could be placed in either of Duty Module tasks F-2(2) or E-5(6) depending on exactly what is meant. In one case the task would be included in a scouting and reporting task performed by tank or reconnaissance crewmen, and in the other case ic would be included with the functions of an Armor intelligence sergeant. The problem is you can't tell by the SQT task exactly which is meant.

Generally, however, there is a remarkable fit when classifying SQT tasks into Duty Module tasks. Out of the 93 tasks in the SQT, only 9 could not be placed or could have been placed in more than one place. Further coordination between the two sets of tasks would undoubtedly eliminate these left-overs.

Of greater importance to the establishment of a training information feedback system is the reverse relationship between the SQT tasks and the Duty Module tasks. In other words, the sample tasks of the SQT plotted against the related Duty Module task. Because if the test is to be fair, the SQT sample should represent the full range of the jobs for which the personnel are being tested, and the emphasis or number of SQT tasks should be in some direct relationship to the frequency and criticality of those tasks in the jobs. The inclosure shows the Duty Modules and subordinate tasks which presumably account for the full range of Armor Crewman jobs on the left with the related SQT tasks, by task number, in the right hand column.

A number of significant observations can be made based on the data in Inclosure 8:

1. There are 13 Duty Modules, each with subordinate tasks, which cover the MOS 11E, Armor Crewman. Of these, 10 Duty Modules have one or more SQT tasks related to them; however, three entire Duty Modules have no representation at all in the SQT sample. These three are:

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A-2 Preforms Unit Supervision and Control of Personnel.

B-2 Conducts and Coordinates Training in the Unit.

D-1 Operates Unit Combat Support Vehicles.

This raises a number of questions. If they are truly part of the job, why have they not been sampled by the SQT? Although no extensive field surveys have been made with the Duty Modules for Armor Crewman, surveys in related MOS have shown that a considerable amount of time is spent on these three Duty Modules and the NCO's rate them as critical to their job. It is understood that some unit administration has been reduced by Project CABL, but a great deal of unit administration and training would seem to be untransferrable.

2. Of the ten Duty Modules which do have related tasks in the SQT, the number of such tasks by Duty Module varies from 1 to 37 SQT tasks. The list of the ten Duty Modules with the number of SQT tasks subsumed is as follows:

C-1	Operates Unit Tactical Communications Equipment Excluding Use of Morse Code.	5
E-1	Prepares and Employs Maps, Charts and Instruments in Land Navigation.	4
E-2	Engages Enemy with Tank and Armor Vehicle Mounted Assault Weapons.	37
E-3	Drives Tanks and Associated Armor Combat Vehicles.	5
E-4	Places, Reports and Neutralizes Tactical Obstacles.	1
E-5	Performs in Mounted, Dismounted, Airborne or Long Range Patrols.	7
E-7	Participates in Ground Tactical Operations as Member of a Maneuver Unit.	8
F-1	Serves as Combat Operations Sergeant.	2
F-2	Serves as Combat Intelligence Sergeant.	2
G-1	Performs User Maintenance on Individual and Unit Equipment and Weapons.	17

This raises other questions. The test seems to be heavily weighted in favor of gunnery and lightly weighted on tank driving. Is this in accord with the actual job requirements? Should Combat Operations and Combat Intelligence Sergeants be taking this test when only two questions relate directly to their job requirements? Is it worth testing in mines and obstacles if only one question is used? 3. While no data currently exist on the criticality or time spent on individual tasks of Duty Modules in the enlisted area, it might be interesting to gather such data. This would assist in determining whether the SQT is putting the correct emphasis at the Duty Module <u>task</u> level. For example, in Duty Module G-1, which has 8 tasks, two tasks have one SQT item opposite them, one task has 3 SQT items opposite, one task has 12 SQT items opposite it, and the rest have none. Is this the proper emphasis or weighting in the user maintenance area?

4. In spite of the many questions raised by plotting the SQT tasks against the Duty Module tasks, it should be noted that there is a fair conformity. The major emphasis in the Duty Modules is in tank gunnery, tank driving and operation, patrolling, and user maintenance which is in conformance with the emphasis of the SQT.

5. As the training course and the SQT are directly tied together, the same questions as were raised with regard to the SQT can be posed with regard to the training course. Does it have a weighting and emphasis in accord with the actual job requirement? Probably the best way to tell would be through use of a combined Duty Module-SQT-CODAP task instrument in which training course level tasks, obtained from the SQT and CODAP, were used as sub-tasks or elements of Duty Module tasks. Field data could then be gathered in sufficient detail but with sufficient organization so that meaningful training course decisions could be made. The design and testing of such an instrument was, of course, beyond the scope of this research.

CONCLUSIONS.

1. The scope of tasks vary in accord with the program in which they are used.

2. • SQT tasks use the SM and the CATB as a source, are relatively narrow in scope and are a work sample of the various job requirements of MOS 11E. They are system specific.

3. CODAP tasks are extremely narrow in scope, and have been applied to job incumbents in active field units. They have not been used to construct or revise training courses, however, they do represent an external criterion for evaluating training. They are highly system specific. 4. Duty Module tasks are broad in scope as befits a personnel classification and assignment tool, and are not system specific.

5. Broad tasks, per se, are not suitable for training information feedback.

6. CODAP tasks are sub-elements of Duty Module tasks and can be grouped and subsumed under appropriate Duty Module tasks.

7. SQT tasks relate to Duty Module tasks rather well, either as a counterpart task or as a sub-element task.

8. Plotting SQT tasks against Duty Module tasks for MOS 11E raises some rather significant questions such as:

- a. Is the SQT fair if three whole Duty Modules are not represented by even a single test item?
- b. The SQT seems to be heavily weighted in favor of gunnery contrary to the evidence in CODAP tasks and Duty Module tasks.
- c. Is the SQT putting the proper emphasis on the more frequently performed tasks of the job?
- d. Is training emphasis in accord with actual job requirements?

9. While Duty Module tasks are too broad for specific use in a training information feedback system, CODAP and SQT tasks often lack sufficient organization or occupational grouping to allow meaningful decisions on training to be made.

10. Based on this preliminary research it appears a combined Duty Module-SQT-CODAP task instrument could easily be constructed, applied to field units and used to provide the basis of a training information feedback system. Such a system would provide sufficient detail for training course use, but would organize the job data in such a manner that more meaningful and efficient decisions could be made by training course designers.

RECOMMENDATION.

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It is recommended that future research be directed toward the formulation of a combined Duty Module-SQT-CODAP task system for either MOS 11E or 11D; that such a hierarchical task/module system be validated in field units and then applied to a broad sample of job incumbents. The results could then be presented to training course designers as the basis for a possible training information feedback system.

INCLOSURE 1:

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REFERENCES

- Department of Army Pamphlet No. 11E2177(N) "SQT 2 Notice for MOS 11E Armor Crewman" - 1 January 77.
- Department of Army Pamphlet No. 11E3177(N) "SQT 3 Notice for MOS 11E Armor Crewman" - 1 January 77.
- Department of Army Pamphlet No. 11E4177(N) "SQT 4 Notice for MOS 11E Armor Crewman" - 1 January 77.
- Department of Army Pamphlet No. 11E2177, 11E3177(H) "Manual for the Administration of the Hands-On Component for MOS 11E SQT 2 and 3 Armor Crewman" - 1 January 77.
- Department of Army Pamphlet No. 11E2177, 11E3177(S) "Scoring Booklet for Hands-On Component for SQT 2 and 3 MOS 11E Armor Crewman" -1 January 77.
- Department of Army Pamphlet No. 11E2177, 11E3177, 11E4177(P) "Performance Certification Component" SQT 2/3/4 MOS 11E Armor Crewman -1 January 1977.
- United States Army Armor School "Individual Training Plan for MOS 11E Armor Crewman, Skill Levels 1-2-3-4-5" - Fort Knox, Ky.
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- USA Combat Arms Training Board, "What To Train Task List, Critical and Important Tasks in Eight Combat Arms MOS" - October 74.
- 12. Stephenson, Robert W. and Fleishman, Edwin A., "A Taxonomic Base on Future Management Information and Decision Systems: A Common Language for Resource and Requirement Planning" USA Behavior and System Research Laboratory Technical Research Note 244 - October 1972.
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INCLOSURE 2: WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMAN (WC)

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TASK #	TASK TITLE	SKI	LL LE\	/ELS
	COMMON CORE	2	<u>3</u>	4
5901	Identify Combat Aircraft	x	x	x
5902	Identify Combat Vehicles & Weapons	x	x	x
0405	Decontaminate Self, Equipment, Weapon, Supplies			
	and Tanks	x	x	x
0407	Administer Atropine Injection	x	x	x
2002	Communicate Using Visual Signal Techniques	x	x	x
1204	Select Temporary Tank Firing Position	x	x	x
6101	Operate Tactical FM Radio & Accessories	х	x	x
0901	Process Known or Suspected Enemy Personnel	x	x	x
5303	Measure Ground Distance Using a Map	x	x	x
6105	Enter/Leave Radio Communications Net Using CEOI	x	x	x
7020	Prepare a Range Card for a Tank	x	x	x
5401	Prepare NBC-1 and NBC-4 Reports		x	x
5101	Prepare a Spot Report		x	x
5304	Conduct a Map Reconnaissance		x	x
5306	Determine Percent of Slope of Terrain Using a Map		x	x
5307	Navigate to a Point on the Ground with a Topo Map (mounted)		x	x
7601	Call for Supporting Fire		x	x
7602	Adjust Supporting Fire		x	x
9701	Prepare a Shell/Bomb/Mortar Report		x	x
9401	Enplace/Recover Early Warning Devices		x	x
6106	Apply Anti-Jamming Procedures		x	x
5402	Direct Unmasking Procedures			x
5403	Direct Radiological Monitoring			x
5311	Prepare a Map Overlay			x
6110	Prepare Speech Security Equipment TSEC/KY 38 for Vehicular Operation			x
6111	Prepare Speech Security Equipment TSEC/KY-8 for Operation			x
7708	Prepare a Platoon Fire Plan			x
7711	Direct Consolidation & Reorganization on the Objective			x
7712	Coordinate Platoon Passage Through a Friendly Unit			x
9601	Prepare & Issue an Oral Operations Order			x

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INCLOSURE 2: WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMAN (WC)

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TASK #	TASK TITLE	SKI	LL LEV	/ELS
	TRACK 1 : M60A1 CREWMAN	2	<u>3</u>	<u>4</u>
0102	Administer Artificial Respiration (Mouth-to-Mouth) x	x	x
2001	Extinguish a Fire in a Tank	x	x	
7002	Perform Loader Prepare-To-Fire Checks	x	x	
7006	Perform Before, During and After - Operation Maintenance Checks and Services on an M60 Series Tank	x	x	x
7008	Start and Stop a Tank Engine	x	x	
7009	Operate a Tank	x	x	
7011	Recover a Tank by Self-Recovery Means	x	x	x
6709	Engage Targets and Apply Immediate Action to M85 Cal. 50 Machine Gun	x	x	x
7021	Select and Occupy Firing Positions	x	x	x
7022	Perform Prepare-To-Fire Checks	x	x	x
7024	Use Precision Fire	x	x	x
7026	Use Battle Sight	x	x	x
7027	Adjust Fire From a Subsequent Fire Command	x	x	x
7028	Adjust Fire Using Burst on Target	x	x	x
7030	Zero a Main Gun	x	x	x
7031	Use Misfire Procedures for a 105MM Main Gun	х	x	x
7033	Fire from a Range Card	x	x	x
6716	Boresight on M85 Cal. 50 Machine Gun		x	x
6717	Zero an M85 Cal. 50 Machine Gun		x	x
7034	Boresight the Rangefinder with the Main Gun		x	x
7038	Issue a Fire Command for a Tank		x	x
7039	Perform the Tank Commander's Prepare-To-Fire check	(5	x	x

INCLOSURE 2: WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMAN (WC)

TASK #	TASK TITLE	SKII	LL LEV	ELS
	TRACK 2: M551 CREWMAN	2	<u>3</u>	<u>4</u>
0102	Administer Artificial Respiration (mouth-to-mouth)	x	x	x
0903	Use Challenge and Password to Identify Persons	x	x	x
1304	Maintain Operator's Items in Equipment Logbook	x	x	x
7055	Load the Gun/Launcher on M551 AR/AAV	x	x	x
7060	Apply Misfire Procedures for M551 AR/AAV Main Gun/Launcher Conventional Round	x	x	x
7061	Apply Misfire Procedures for M551 AR/AAV Main Gun/Launcher Missile	x	x	x
7063	Perform Loader's Prepare-To-Fire Checks on M551 AR/AAV	x	x	
7064	Perform Driver's Prepare-To-Fire Checks on M551 AR/AAV	x	x	
7065	Perform After-Firing Checks and Services on M551 AR/AAV Gun/Launcher	x	x	x
6503/ 6502	Maintain Cal 50 HB M2 Flex. Machine Gun; Check and Set Head Space and Timing on Cal. 50 HB M2 Flex. Machine Gun	x	x	x
6505	Engage Targets and Apply Immediate Action to Cal. 50 HB2 M2 Flex. Machine Gun	x	x	x
7027	Adjust Fire from a Subsequent Fire Command	x	х	x
7021	Select and Occupy Firing Positions	x	х	x
7087	Zero Gun/Launcher on M551 AR/AAV	x	x	x
7069	Engage Targets with M551 Shillelagh Missile	x	х	x
7068	Engage Targets with M551 Conventional Round	x	x	x
7071	Perform Missile Subsystem Check	x	х	x
6602	Fire M176/226 Grenade Launcher		x	x
7072	Issue a Fire Command for an M551		x	x

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INCLOSURE 2:	WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMAN (WC)			
	HANDS-ON COMPONENT (HOC)			
TASK #	TASK TITLE	SKI	LL LEV	VELS
	COMMON CORE	2	<u>3</u>	4
0401	Put on a Protective Mask	x	x	
2501	Prepare an M72A2 LAW for Firing	x	x	
2301	Fire an M18A1 Claymore Mine	x	x	
6703	Maintain a Coaxial Machine Gun	x	x	
6101	Operate Tactual FM Radio and Accessories	x	x	
	TRACK 1 : M60A1 CREWMAN			
5401	Prepare a Tank for Nuclear Attack	x	x	
7001	Perform After-Firing Checks and Services on 105 MM Main Gun	x	x	
7004	Perform Loader's Misfire Procedure for 105 MM Main Gun	x	x	
7022	Perform Prepare-To-Fire Checks	x	x	
7029	Boresight Gunner's Telescope and Periscope with Main Gun	x	x	
	TRACK 2: M551 CREWMAN			
6503	Maintain Cal. 50 HB M2 Flex. Machine Gun	х	x	
6502	Check and Set Head Space and Timing on a Cal. 50 HB M2 Flex Machine Gun	x	x	
7066	Boresight Gun/Launcher on M551 AR/AAV	x	x	
	TRACK 3: M60A2 CREWMAN			
5401	Prepare a Tank for Nuclear Attack	x	x	
7048	Determine Range to Target Using Laser Range- finder	x	x	
7081	Perform Gunner's Prepare-To-Fire Checks on M60A2 Tank	x	x	
	PERFORMANCE CERTIFICATION COMPONENT (PCC) FOR MOS	11E		
0501	Pass Advanced Physical Fitness Test	x	x	x
6403	Engage Targets and Apply Immediate Action to Cal. 45 Pistol	x	x	x

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INCLOSURE 2: WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMAN (WC)

TASK #	TASK TITLE	SKI	LL LE	VELS
	TRACK 3: M60A2 CREWMAN	2	3	4
2001	Extinguish a Fire in a Tank	x	x	x
7006	Perform Before, During and After - Operation Maintenance Checks and Services on an M60 Series Tank	x	x	x
1304	Maintain Operator/s Items in Equipment Logbook	x	x	x
7008	Start and Stop a Tank Engine	x	x	
7009	Operate a Tank (M60A2)	x	x	
7011	Recover a Tank by Self-Recovery Means	x	x	x
7042	Load the Main Gun Round/Missile on M60A2 Tanks	x	x	x
7043	Apply Misfire Procedures for M60A2 Main Gun Failure to Fire	x	x	x
7054	Perform Driver Prepare-To-Fire Checks on M60A2 Tank	x	x	
7053	Perform Loader's Prepare-To-Fire Checks on M60A2 Tank	x	x	
7026	Use Battlesight	x	x	x
7027	Adjust Fire From a Subsequent Fire Command	x	x	x
7046	Boresight Gun/Launcher on M60A2 Tank	x	x	x
7048	Determine Range to Target Using Laser Range- finder	x	x	x
7021	Select and Occupy Firing Positions	x	x	x
7000	Perform M60A2 Missile Subsystem Checks	x	x	x
7081	Perform Gunner's Prepare-To-Fire Checks on M60A2 Tank	x	x	x
6717	Zero M85 Cal. 50 Machine Gun		x	x
7093	Perform Tank Commander's Prepare-To-Fire Checks on M60A2 Tank		x	x
7038	Issue a Fire Command for a Tank		x	x
6601	Fire an M226 Grenade Launcher		x	x
7082	Determine Range to Target Using Laser Rangefinder (From TC Position)		x	x

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INCLOSURE 3: WRITTEN COMPONENT FOR MOS 11D (WC)

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TASK #	TITLE	PASS CRITERION	SKILL 2	LEV <u>3</u>	/ELS <u>4</u>
5903	Identify Threat Aircraft	14/20	x	x	x
5901	Identify Combat Vehicles ६ Weapons	16/20	x	x	x
5904	Prepare a Spot Report	3/4	x	x	x
0102	Administer Artificial Respiration	3/4	x	x	x
0407	Administer Atropine Injection	3/4	x	x	x
1001	Communicate Using Visual Signal Techniques	6/8	x	x	x
7601	Call for Supporing Fire	1/1	x	x	x
7602	Adjust Supporting Fire	3/3	x	x	x
1203	Conceal Movement by Route Selection	3/3	x	x	x
6501	Maintain M16A1 Rifle	4/5	x	x	x
6711	Engage Targets & Apply Immediate Action to 50 Cal. Machine Gun	3/3	x	x	x
6601	Maintain M203 Grenade Launcher	3/4	x	x	
1304	Maintain Operator's Item in Equipment Logbook	3/3	x	x	x
7005	Operate Mll3Al Vehicle in Water	3/3	x	x	x
7006	Prepare M113A1 Vehicle for Towing	2/2	x	x	
0903	Use Challenge & Password to Identify Persons	3/3	x	x	x
0901	Process Known or Suspected Enemy Personnel	4/5	х	x	x
6104	Apply Anti-Jamming Procedures	3/4	x	x	x
5301	Measure Ground Distance Using a Map	3/4	х	x	x
5302	Locate a Point on a Map	3/4	x	х	x
5306	Navigate to a Point on Ground w/Topo Map, Mounted or Dismounted	3/3	x	x	x
5307	Determine Elevation of a Point on Ground Using Map	3/3	x	x	x
5309	Determine Percent of Slope of Terrain Using Map	3/3	х	x	x
6108	Enter/Leave Radio Communication Net Using CEOI	3/4	x	x	x
7309	Destroy a Mine in Place	2/2	x	x	x
7401	Conduct a Dismounted Recon Patrol	3/3	х	x	x
7402	Conduct a Mounted Security Patrol	2/2	x	x	x
7021 .	Select & Occupy Firing Positions	2/2	x	x	x
9401	Emplace/Recover Early Warning Devices Patrol Seismic Intrusion Detector (PSID)	4/6	x	x	x
6709/6707	Maintain, Set & Check Head Space & Timing on 50 Cal. Machine Gun	3/4	x	x	x

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INCLOSURE 3: WRITTEN COMPONENT FOR MOS 11D (WC)

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TASK #	TITLE	PASS CRITERION	SKILL 2	LEV <u>3</u>	ELS
5312	Conduct a Map Reconnaissance	2/2		x	x
5401	Prepare NBC-1 and NBC-4 Reports	6/8		x	x
7311	Emplace a Hasty Minefield	3/3		x	x
7203	Create an Obstacle Using Demolitions	3/3		x	x
7406	Conduct a Route Reconnaissance	3/3		x	x
7407	Conduct a Zone Reconnaissance	2/2		x	x
7408	Conduct an Area Reconnaissance	3/3		x	x
7409	Conduct Section Security Missions	3/4		x	x
7704	Conduct Mounted Tactical Movement	3/3		x	x
9701	Prepare Shell/Bomb/Mortar Report	2/2		x	x
5404	Direct Unmasking Procedures	4/5			x
5405	Direct Radiological Monitoring	5/7			x
5311	Prepare a Map Overlay	5/6			x
6109	Prepare Speech Security Equipment TSEC/KY-38 for Vehicular Operation	3/4			x
6111	Prepare Speech Security Equipment TSEC/KY-8 for Operation	3/4			x
7711	Prepare a Platoon Fire Plan	3/3			x
7714	Direct Consolidation & Reorganization on the Objective	2/2			x
7715	Coordinate Platoon Passage Thru a Friendly Unit	t 2/2			x
9601	Prepare & Issue an Oral Operations Order	4/5			x
	HANDS-ON COMPONENT (HOC)				
0401	Put on a Protective Mask	9 Sec.	x	x	
2501	Prepare an M72A2 LAW for Firing	30 Sec.	x	x	
6701	Maintain M60 Machine Gun	5 Min.	x	х	
6707/6709	Maintain, Set & Check Head Space & Timing on 50 Cal. M2 Flex Machine Gun	15 Min.	x	x	
2301	Fire a Claymore Mine	5 Min.	x	x	
7201	Assemble Nonelectric Detonation System	3 Min.	x	x	
6105 ·	Install Radio Remote Control Equipment	10 Min.	x	x	
6102	Operate Tactical FM Radio & Accessories	5 Min.	x	x	
	PERFORMANCE CERTIFICATION COMPONENT (PCC)			
0501	Advanced Physical Fitness Test (APFT)	Pass	x	x	x
6504	Engage Targets & Apply Immediate Action to M16A1 Rifle	Pass	x	x	x

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	MODULE: A-2	EL	Supervise	Do and Supervise	å	Assist
1.	Inspect personnel, equipment, and living and di areas	ning 	[]		[]	[]
2.	Process incoming and outgoing personnel		[]	[]	[]	[]
3.	Establish and post unit files, ARs, and Circula	rs	[]	[]	[]	[]
4.	Prepare unit orders, correspondence, and SOPs .		[]	[]	[]	[]
5.	Prepare and review work schedules, duty rosters administrative and technical reports		[]	[]	[]	[]
6.	Prepare recommendations on personnel actions an personnel management at the unit level		[]	[]	[]	ָנ ז
7.	Form unit for military formations and conduct dismounted drills		[]	[]	[]	[]
8.	Schedule leaves and passes		[]	[]	[]	[]
9.	Prepare sick slips		[]	[]	[]	[]
					•	
	ent of Total Job Time 0-10% 10-30% 30 nt on Entire Duty Module:	-50 50-70	70	-90	90-1	003
	tive Criticality of the ire Duty Module to My Job: Critical	ical Av	verage		Lea Criti	
	Did You Acquire the Civilian BCT or Ils of this Duty Module? Training AIT	Service School	Unit or	Train Schoo		OJT

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	MODULE: B-2 UCTS AND COORDINATES TRAINING IN	N THE UN	NIT					Supervis	Do and Supervis	8	Assist
1.	Evaluate personnel and recommen	nd traim	ning	••	••	••	••	[]	[]	[]	[]
2.	Inspect and report on conduct of	of trair	ning	••	•••	•••	••	[]	[]	[]	[]
3.	Coordinate unit training sched	ules and	t ac	tivi	ties	••	• •	[]	[]	[]	[]
4.	Organize unit schools and train	n instru	ucto	rs.	••	••	• •	[]	[]	[]	[]
5.	Request, recommend, allocate, a sites	and insp ••••	ect	tra •••	inin •••	g 	••	[]	[]	[]	[]
6.	Prepare or adapt training plans	s and pr	rogr	ams	••	• •	•••	[]	[]	[]	[]
7.	Coordinate training support fac	cilities	s an	d pe	rson	nel	•••	[]	[]	[]	נן
8.	Conduct on-the-job training .	• • • •	•••	••	•••	•••	• •	[]	[]	[]	[]
9.	Conduct unit training and train	ning exe	erci	ses	•••	• •	• •	[]	[]	[]	[]
10.	Conduct individual training .	• • • •	•••	• •	••	••	• •	[]	[]	[]	[]
n.	Prepare lesson plans and train	ing aids	5.	••	••	• •	••	[]	[]	[]	[]
12.	Initiate and post training reco	ords and	d re	port	5.	••	• •	[]	[]	[]	[]
					-						
	ent of Total Job Time nt on Entire Duty Module:	0-10%	10-	301	30-	50%	50-7	01 7	0-90	90-	100\$
Rola	tive Criticality of the ire Duty Module to My Job:	The Mos Critics		_ C	riti	cal	A 1	verag	c	Le Crit	ast ical
	Did You Acquire the lls of this Duty Module?	Civili: Traini		BCT		Serv Scho	vice		Trai Scho	ining pol	OJT

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OPERA	ODULE: C-1 TES UNIT TACTICAL COMMUNICATION F MORSE CODE	S EQUIPMENT	EXCLUD	ING	Supervise	Do and Supervise	å	Assist
1.	Install and operate telephone e within armored vehicles	quipment to	commun	ica te ••••	[]	[]	[],	[]
2.	Install and operate radio telep municate within platoon and com	hone equipm mpany	nent to	com-	[]	[]	[]	[]
3.	Install and operate field telep	ohone switcl	nboard .	• • •	[]	[]	[]	
4.	Establish and operate radio rem					[]	[]	[]
5.	Establish and operate field constation	munication	s relay			[]	[]	[]
6.	Read, interpret, and follow SO cations equipment	I in operat • • • • • •	ing com	muni- ••••	[]	[]	[]	[],
7.	Encode and decode messages usi cipher devices		• • •			[]	[]	[]
8.	Employ transmission security, and counter countermeasures su against enemy intercepts, fals as jamming	e messages,	and EC	M such	. []		[]	[]
9.	Serve as net control station			• • •	. []	ĹĴ	[]	[]
10.	Connect and disconnect communi	cations equ	uipment	• • •	. []	[]	[]	
11.	Erect radio antennas		• • • •	• • •	. []	[]	[]	[]
12.	Lay and maintain field wire li	ines		• • •	. []		[]	[]
13.		d messenger	• • •	• • •	. []	[]	[]	[]
	ent of Total Job Time	0-10% 10-	304 30	-501 5	0-70%	70-90	9	0-100*
Spe	ent on Entire Duty Module:							
Rel	tive Criticality of the tire Duty Module to My Job:	The Most Critical	Crit	ical .	Ave	rage		Least itical
How Sk	Did You Acquire the ills of this Duty Module?	Civilian Training	BCT or AIT	Servi		nit Tr or Sc	ainin hool	g OJT

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	INCLOSURE	6 - 4										1.
	MODULE: D-1 ATES UNIT COMBAT SUPPORT VEHIC	LES	*					Supervise	Do and Supervise	8	Assist .	
1.	Spot paint vehicles	• • •	• •	• •	••	• •	•	[]	[]	[]	[]	•
2.	Service vehicles with gas, oi and minor parts	-		-				[]	[]	[]	[]	
3.	Inspect and maintain gas part	iculate	fil	ter	unit	•	•	[]	[]	[]	[]	
4.	Remove and install access cov	ers and	dra	in p	lugs	•	•	[]	[]	[]	[]	
5.	Remove and install tracks, tr	ack com				• • •	•	[]	[]	[]	[]	
6.	Remove, install, inspect, and extinguishers				••	• • •	•	[]	[]	[]	[]	
7.	Drive wheel vehicles and trai	lers.	••	••	• •	•••	•	[]	[]	[]	[]	
8.	Drive track vehicles and trai	lers.	• •	••	• •	• • •	•	[]	[]	[]	[]	
9.	Load and unload vehicles	• • •	• •	••	• •	• • •	•	[]	[]	[]	[]	
10 .	Prepare vehicle records	• • •	••	••	• •	•••	•	[]	[]	[]	[`]	
11.	Use towing winch	• • •	• •	• •	• •	• • •	•	[]	[]	[]	[]	
12.	Mount and dismount vehicle we	apons	•••	• •	•	•••	•	[]	[]	[']	[]	
13.	Load, inspect, and lash vehic for rail and air movement		•	•		• • •	•	[]	[]	[]	[]	
14.	Perform organizational mainte support vehicles	nance or	1 CO	mbat	•	•••	•	[]	[]	[]	[]	
15.	Prepare vehicles for speciali	zed oper	rati	ons	•	• • •	••	[]	[]	[]	[]	
												J
	ent of Total Job Time it on Entire Duty Module:	0-10%	10-	301	30-	50%	50-7	101	70-90	90	-100\$]
oper	it on Entire Duty Hodurer											
Relat Enti	ive Criticality of the	The Mo Critic		C 	riti	.cal		vera	ge		cast tical	
How T	d You Acquire the	Civili	10	BCT	07	Ser	/ice	Illni	<u>t</u> Tra	ining		
	ls of this Duty Module?	Traini				Sch			r Sch			
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DUTY HODULE: E-1 PREPARES AND EMPLOYS MAPS, CHARTS, IN LAND NAVIGATION	, AND IN	STRU	IMENT	S			Supervise	Do and Supervise	8	Assist
1. Determine scale of aerial photoground objects						•••	[]	[]	[]	[]
2. Read maps and aerial photograp	ohs	•••	••	•••	• •	• •	[]	[]	[]	[]
3. Sketch terrain maps from visua	al data	•••	• •	•••	• •	• •	[]	[]	[]	[]
4. Prepare and employ overlays .	• • •	••	••	•••	• •	• •	[]	[]	[]	[]
5. Control orientation and direct compass	tion of			by	••	••	[]	[]	[]	[]
6. Plot distances and locations a by intersection or other techn							[]	[]	[]	נז
7. Determine course, distance, ar and map scale					otrac •••		[]	[]	[]	[]
8. Determine approximate azimuth	from su	n an	d st	ars	• •	• •	[]	[]	[]	[]
									,	
Percent of Total Job Time Spent on Entire Duty Module:	0-10%	10-	304	30-	504	50-7	01 7	0-90	90.	100
Rolative Criticality of the Entire Duty Module to My Job:	The Mo Critic		C	riti	cal .	A	verag	ie		east tical
How Did You Acquire the Skills of this Duty Module?	Civili Traini		BCT (Serv Scho	vice bol		Trai Scho		TLO

ENGA	MODULE: E-2 GES ENEMY WITH TANK AND ARMOR ULT WEAPONS								Supervise	Do and Supervise	8	Assist
1.	Employ tank gun						• •	•	[]	[]	[]	[]
2.	Employ tank missiles	• • • •	•	• •	• •	••	••	•	[]	[]	[]	[]
3.	Employ tank mounted machine g	un	•	• •	• •	` . .	••	•	[]	[]	[]	[]
4.	Employ searchlight for battle and target identification	field il	lum •	inat [.]	ion • •	••		•	[]	[]	[]	[]
5.	Boresight and adjust tank gun fire control equipment				••	••	••	•	[]	[]	[]	[]
6.	Calculate minimum elevation for	or gun .	•	• •	• •	••	• •	•	[]	[]	[]	[]
7.	Set out aiming stakes	• • • •	•	• •	• •	• •	• •	•	[]	[]	[]	[]
8.	Estimate horizontal and verti	cal angle	es	• •	• •	••	• •	•	[]	[]	[]	[]
9.	Remove misfires	• • • •	•	• •	••	• •	• •	•	[]	[]	[]	[]
10.	Conduct weapons registration	• • • •	•	• •	• •	••	• •	•	[]	[]	[]	[]
11.	Give fire commands	••••	•	• •	• •	•••	• •	•	[]	[]	[]	נ ז
12.	Adjust fire by determining and and deflection corrections .	d applyin	ng •	rang	e • •	•••	• •	•	[]	[]	ני	[]
13.	Uncrate, inspect, inventory,	and stow	am	muni	tion	•	••	٠	[]	[]	[]	[]
14.	Employ laser and other range	finding o	equ	ipmeı	nt	••	۰.	•	[]	[]	[]	[]
15.	Troubleshoot tanks and armor	weapons r	na 1	func	tion	s.	• •	•	[]	[]	[]	[]
Perce	ent of Total Job Time	0-105	10-	301	30-	-50%	150)-7(517	0-90	190-	1005
	nt on Entire Duty Module:											
	tive Criticality of the ire Duty Module to My Job:	The Mos Critica		C -	riti	cal		Â	/erag	e		ast ical
	Did You Acquire the lls of this Duty Module?	Civilia Trainin		BCT AI			rvic hool			Trai Scho		TLO

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	Y MODULE: E-3 VES TANKS AND ASSOCIATED ARMOR COMBAT VEHICLES		Supervise	Do and Supervise	Do	Assist
١.	Drive tanks and armored vehicles in combat and non-combat situations		[]		[]	[]
2.	Drive amphibious vehicles in combat and non-comb situations		[]	[]	[]	[]
3.	Perform field repair of vehicle track system	•••••	[]	[]	[]	[]
4.	Receive and respond to verbal, hand, light, and flag signals in driving vehicles		[]	[]	[]	[]
5.	Stow rations, ammunition, and personal equipment in tanks		[]	[]	[]	[]
6.	Perform pioneer work on trails and parking areas	• • • • •	[]	[]	[]	[]
7.	Operate tank mounted bulldozer	• • • • •	[]	[]	[]	[]
8.	Operate fuel transfer pump, turret seal, and bilge pumps		[]	[]	[]	[]
9.	Operate auxiliary generator and engine	• • • • •	[]	[]	[]	[]
10.	Install and operate infra-red periscope in night driving		[]	[]	[]	[]
III.	Conduct safty checks on tanks and armored vehicl	es	[]	[]	[]	[]
12.	Service armored vehicles	····	[]	[]	[]	[]
13.	Perform organizational maintenance on tanks and armored vehicles		[]	[]	[]	[]
14.	Prepare vehicles for specialized operations		[]	[]	[]	[]
	cent of Total Job Time 0-10% 10-30% 30 ont on Entire Duty Module:	-50 50-7	0% 70	90	90-1	100%
		1			<u> </u>	
	tive Criticality of the The Most Crit tire Duty Module to My Job: Critical	ical Av	verage		Les Criti	
	Did You Acquire the Civilian BCT or ills of this Duty Module? Training AIT	Service School		Train Schoo		OJT

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-	MODULE: E-4 ACES, REPORTS, AND NEUTRALIZES TACTICAL OBSTACLES	Supervise	Do and Supervise Do	Assist
1.	Prepare obstacles and barriers	[]	[][]	[]
2.	Lay minefields and emplace booby traps and anti-personnel mines	[]	[][]	[]
3.	Plot, report, and mark minefields and stream crossing sites	[]	נ ז נ ז	נ ז [`]
4.	Locate and disarm mines using mine detector or by probing	[]	[] []	[]
5.	Breach minefields and mark routes through them	[]	[] []	[]
6.	Build roadblocks and dig tank obstacles	[]	[][]	[],

Percent of Total Job Time Spent on Entire Duty Module:	0-10%	10-301	30-50%	50-70*	70-90	90-	100\$
Relative Criticality of the Entire Duty Module to My Job:	The Mos Critica		ritical	. Ave	rage	Le Crit	ast ical
How Did You Acquire the Skills of this Duty Module?	Civilia Trainia			vice U ool	nit Trai or Scho	-	TLO

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INCLOSURE	6	-	9	

	MODULE: E-5 ORMS IN MOUNTED, DISMOUNTED, A OLS	IRBORNE, O	R LONG R	ANGE	Supervise	Do and Supervise	å	Assist
٦.	Plan patrol operations	• • • • •		• • • •	[]	[]	[]	[]
2.	Assemble, inspect, issue patr lead patrol				[]	[]	[]	[]
3.	Operate listening or observat	ion post		• • • •	[]	<u>ֿ</u> נ]	[]	[]
4.	Employ and adjust long range	fires	• • • •	• • • •	[]	[]	[]	[]
5.	Employ long range telescope	• • • • •	• • • •		[]	[]	[]	[]
6.	Scout enemy formations, posit vehicles, and equipment	ions, pers			[]	[]	[]	[]
7.	Engage and penetrate enemy fo	rces	• • • •		[]	[]	[]	[]
8.	Employ demolitions			• • • •	[]	[]	[]	[]
9.	Inspect, classify, and evalua crossing sites, roads, bridge and obstacles				'[]	[]	[]	[]
10.	Mark route or serve as guide	• • • • •	• • • •		[]	[]	[]	[]
11.	Report information or observa	tions	• • • •	• • • •	[]	[]	[]	[]
12.	Employ deceptive measures, e. and concealment	•	-		[]	[]	[]	[]
13.	Use passwords and code		••••	• • • •	[]	[]	[]	[]
	ent of Total Job Time at on Entire Duty Module:	0-10% 10	-301 30	-50% 50	-70%	70-90	90-	100\$
	tive Criticality of the Lre Duty Module to My Job:	The Most Critical	Crit	ical	Avera	ge		ast ical
	Did You Acquire the lls of this Duty Module?	Civilian Training	BCT or AIT	Servic School	,	t Trai r Scho		TLO
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PART	MODULE: E-7 ICIPATES IN GROUND TACTICAL OPE MANEUVER UNIT	RATIONS	AS	MEMB	ER		Supervis	Do and Supervis	8	Assist
1.	Analyze mission, terrain, enem units to determine and plan sc	ly, own, heme of	and man	l sup leuve	porting r	• • •	[]	[]	[]	[]
2.	Prepare and issue written or v and warning orders	• • • •	••	• •	• • •	• • •		[]	[]	[]
3.	Continually analyze situation, and issue modifying orders .	make o	n-th	ie-sp	ot deci	sions,	[]	[]	[]	[]
4.	Participate individually in ta member or immediate supervisor fire, advancing to contact, as	• in est	abli	shin	g bases	of	[]	[]	[]	[]
5.	Use camouflage cover, concealm	ment, an	d/or	· dis	persion	••	[]	[]	[]	[]
6.	Prepare deliberate and hasty d fields of fire and construct o						[]	[]	[]	[]
7.	Serve as messenger or liaison	agent .	• •	••	• • •		[]	[]	[]	[]
8.	Keep self, subordinates, super informed of tactical situation	ior, an	d ac	ljace	nt elem	ents ••••	[]	[]	[]	[]
9.	Identify and report casualties	i	• •	• • •	• • •	• • •	[]	[]	[]	[]
10.	Employ first aid and establish	n field	sani	itati	on	• • •	[]	[]	[]	[]
11.	Establish and maintain local s	ecurity	•••	• • •	• • •		[]	[]	[]	[]
12.	Capture, search, segregate, sa POWs	feguard	i, ar	nd ev	acuate •••	• • •	[]	[]	[]	[]
13.	Call for and control air strik	kes and	supr	orti	ng grou •••	nd ••••	[]	[]	[]	[]
14.	Utilize enemy equipment and pr	repared	posi	ition	s	• • •	[]	[]	[]	[]
15.	Prepare field messages and ske	etches .	• •	•••	• • •	• • •	[]	[]	[]	[]
16.	Coordinate use of electronic s	surveill	ance	e dev	ices .	• • •	[]	[]	[]	[]
Dens	ent of Total Job Time	0-10%	10	301	30-50%	1 50-7	<u></u>	70-90	1 00	-100\$)
	ent of Total Job Time nt on Entire Duty Module:	0-10%	10-	301	30-303	1 30-7		/0-90	- 30	-1001
	·	L								
	tive Criticality of the ire Duty Module to My Job:	The Mo Critic		C:	ritical	. ^	vera	ige		east tical
	Did You Acquire the lls of this Duty Module?	Civili Traini		BCT AI		rvice hool		it Tra or Sch	-	OJT

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INCLOSURE 6 - 11

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	MODULE: F-1 ES AS COMBAT OPERATIONS SERGEA	INT ·	-					Supervise	Do and Supervise	å	Assist
1.	Prepare and distribute tactic maps	al plans	s, o	rder	s, a 	ind •••	••	[]	[]	[]	[]
2.	Plan aerial and ground operat	ions and	d CP	х.	• •	••	• •	[]	[]	[]	[]
3.	Issue and control air-ground	recogni	tion	pro	cedu	ires	• •	[]	[]	[]	[]
4.	Establish and update a situat	ion map:	and	ove	rlap	•••	•••	[]	[]	[]	[]
5.	Establish and post an operati	ons jour	rnal	and	SOP	• • •	••	[]	[]	[]	[]
6.	Prepare after-action reports critique of tactical operatio			•		• •	• •	[]	[]	[]	[]
7.	Coordinate logistics, personn support of tactical operation						••	[]	[]	[]	, []
8.	Gather data for, and prepare reports		1 op • •	erat 	ions •••	••	• •	[]	[]	[]	[]
9.	Coordinate fire control facil and attached units		ors		dina •••		••	[]	[]	[]	[]
10.	Receive, log, and distribute orders	tactical		-		nd	••	[]	[]	[,]	[]
11.	Coordinate operations section	activit	ties	••	•••	••	••	[]	[]	[]	[]
12.	Coordinate liaison agents' ac	tivities	5.	•••	••	•••	• •	[]	[]	[]	[]
1	nt of Total Job Time it on Entire Duty Module:	0-105	10-	304	30-	501	50-7	0 7	0-901	90-1	001
	ive Criticality of the re Duty Module to My Job;	The Mos Critics		Ç.	riti	cal	A	verag	e	Lea Criti	
	Did You Acquire the ls of this Duty Module?	Civilia Trainir		BCT (Serv Scho	vice pol		Train Schoo		OJT

INCLOSURE 6 - 12

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	MODULE: F-2 ES AS COMBAT INTELLIGENCE SERG	EANT			Supervise	Do and Supervise	8	Assist .
1.	Prepare and distribute intell annexes			• • • •	[]	[]	[]	[]
2.	Make and evaluate spot report	s	• • • •	• • • •	[]	[]	[]	[]
3.	Analyze and advise on effects on military operations				[]	[]	[]	[]
4.	Analyze and prepare brief on capabilities				[]	[]	[]	[]
5.	Receive, process, and safegua documents, materials, and equ				[]	[]	[]	[]
6.	Establish and post intelligen and OB information				[]	[]	[]	[]
7.	Coordinate employment of atta	ched intell	igence	units	[]	[]	[]	[]
8.	Plan and coordinate counterin units	telligence			[]	[]	[]	[]
9.	Prepare and distribute maps t	o subordina	te unit	s	[]	[]	[]	[]
10.	Plan and coordinate aerial ph photo interpretation				[]	[]	נו	[]
11.	Plan and coordinate electroni veillance		1d sur-	• • • •	[]	[]	[]	[]
12.	Inspect subordinate units for communications, and physical				[]	[]	[]	[]
	ent of Total Job Time It on Entire Duty Module:	0-101 10-	30% 30	-50\$ 50-7	01	70-90	90-	100%
	ive Criticality of the ire Duty Module to My Job:	The Most Critical	Crit	ical A	vera	ge		ast ical
	Did You Acquire the lls of this Duty Module?	Civilian Training	BCT or AIT	Service School		t Tra r Sch	ining ool	TLO

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	LUSURE 6		13											
DUTY MODULE: G-1 PERFORMS USER MAINTENANCE ON INDI UNIT EQUIPMENT AND WEAPONS	VIDUAL A	ND						C	activitados	Do and Supervise		2	Accic+	107000
l. Clean equipment and weapons .	• • • •		• •	• •	•••		•	[]	[]	[]	ĺ]
2. Service equipment and weapons coolants and fluids	with lub • • • • •	oric 	ants, •••	, fu 	els, •••		٠	[]	[]	[]	[]
3. Waterproof, fungi-proof and ot and weapons for unusual climat:							•]]	[]	[]	[]
4. Replace lamps, wiper blades, fi similar minor parts				• •	• •	• •	•	[]	[]	[]	[]
5. Conduct pre-operation and post- manual inspection	-operati 	on '	visua • •	1 a	nd •••	••	•	[]	[]	[]	[]
6. Identify and report malfunction and equipment	ns and d	efc • •	cts i	n w •••	eapon	s • •	•	[]	[]	[]	l]
7. Make entries in weapon and equi	pment 1	og l	books	•	••	• •	•	[J	[]	[]	[]
8. Use simple hand tools	• • •	• •	••	• •	• •	••	•	[] .	[]	[]]	[]]
	·													
Percent of Total Job Time Spent on Entire Duty Module:	0-10%	10-	.30%	30	-50*	50-	-70	8	70-	905	90)-1	00	
Relative Criticality of the Entire Duty Module to My Job:	The Mo: Critic:		C	rit	cal		Av	_l era	ige		L Cri	ea: ti		
How Did You Acquire the Skills of this Duty Module?	Civilia Trainir		BCT (AIT		Serv Scho					'rain choo		1	JJT	
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INCLOSURE 7: WRITTEN COMPONENT FOR MOS 11E ARMOR CREWMEN (WC)

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DUTY MODULES TASK #		5KIL <u>2</u>	L LEV <u>3</u>	'ELS <u>4</u>
COMMO	N CORE			
E-5(3)	Identify Combat Aircraft	x	x	x
E-5(3)	Identify Combat Vehicles & Weapons	x	x	x
G-1(1)	Decontaminate Self, Equipment, Weapon, Supplies & Tanks	x	x	x
E-7(10)	Administer Atropine Injection	x	x	x
E-3(4)	Communicate Using Visual Signal Techniques	x	x	x
E-2(1)	Select Temporary Tank Firing Positions	x	x	x
C-1(2)	Operate Tactical FM Radio & Accessories	x	x	x
E-7(12)	Process Known or Suspected Enemy Personnel	x	x	x
E-1(6)	Measure Ground Distance Using a Map	x	x	x
C-1(6)	Enter/Leave Radio Communications Net Using CEOI	x	x	x
E-2(1)	Prepare a Range Card for a Tank	x	x	x
E-5(6)	Prepare NBC-1 and NBC-4 Reports		х	x
F-2(2) E-5(6)	Prepare a Spot Report		x	x
E-5(9)	Conduct a Map Reconnaissance		х	x
E-1(6)	Determine Percent of Slope of Terrain Using a Map		x	x
E-1(7)	Navigate to a Point on the Ground with a Topo Map (Mounted)		x	x
E-7(13)	Call for Supporting Fire		х	x
E-2(12) E-5(4)	Adjust Supporting Fire		x	x
E-7(15)	Prepare a Shell/Bomb/Mortar Report		x	x
F-2(11)	Enplace/Recover Early Warning Devices		x	x
C-1(8)	Apply Anti Jamming Procedures		x	x
	Direct Unmasking Procedures			x
	Direct Radiological Monitoring			x
E-1(4)	Prepare a Map Overlay			x
C-1(7)	Prepare Speech Security Equipment TSEC/KY-38 for Vehicular Operation			x
C-1(7) .	Prepare Speech Security Equipment TSEC/KY-8 for Operation			x
E-7(1) F-1(1)	Prepare a Platoon Fire Plan			x
E-7(3)	Direct Consolidation & Reorganization on the Object	tiva	•	x
F-1(1)	Coordinate Platoon Passage Through a Friendly Unit			x
E-7(2)	Prepare & Issue an Oral Operations Order			x

WRITTEN COMPONENT FOR MOS 11E

DUTY MODULES TASK #

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SQT TASK TITLE

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TRACK 1: M60A1 CREWMAN

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E-7(10)	Administer Artificial Respiration (Mouth-to-Mouth)	x	x	x
	Extinguish a Fire in a Tank	x	x	
E-2(1)	Perform Loader Prepare-To-Fire Checks	x	x	
G-1(2) G-1(5)	Perform Before, During and After-Operation Maintenance Checks and Services on an M60 Series Tank	x	x	x
E-3(1)	Start & Stop a Tank Engine	x	x	
E-3(1)	Operate a Tank	x	x	
E-3(13)	Recover a Tank by Self-Recovery Means	x	x	x
E-2(3)	Engage Targets & Apply Immediate Action to M85 Cal. 50 Machine Gun	x	x	x
E-2(1)	Select & Occupy Firing Positions	x	x	x
F-1(5)	Perform Prepare-To-Fire Checks	x	x	x
E-2(12)	Use Precision Fire	x	x	x
E-2(12)	Use Battle Sight	x	x	x
E-2(12)	Adjust Fire from a Subsequent Fire Command	x	x	x
E-2(12)	Adjust Fire Using Burst on Target	x	x	x
E-2(5)	Zero a Main Gun	x	x	x
E-2(9)	Use Misfire Procedures for a 105-mm Main Gun	x	x	x
E-2(1)	Fire from a Range Card	x	x	x
E-2(5)	Boresight an M85 Cal. 50 Machine Gun		x	x
E-2(5)	Zero an M85 Cal. 50 Machine Gun		x	x
E-2(5)	Boresight the Rangefinder with the Main Gun		x	x
E-2(11)	Issue a Fire Command for a Tank		x	x
G-1(5)	Perform the Tank Commander's Prepare-To-Fire Check	S	x	x

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WRITTEN COMPONENT FOR MOS 11E

DUTY MODULES

SKILL LEVELS TASK # SQT TASK TITLE <u>2</u><u>3</u> <u>4</u>

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TRACK 2: M551 CREWMAN

E-7(10)	Administer Artificial Respiration (Mouth-to-Mouth)	x	x	x
E-5(13)	Use Challenge & Password to Identify Persons	x	x	x
G-1(7)	Maintain Operator's Items in Equipment Logbook	x	x	x
E-2(1)	Load the Gun/Launcher on M551 AT/AAV	x	x	x
E-2(9)	Apply Misfire Procedures for M551 AR/AAV Main Gun/Launcher Conventional Round	x	x	x
E-2(9)	Apply Misfire Procedures for M551 AR/AAV Main Gun/Launcher Missile	x	x	x
G-1(5)	Perform Loader's Prepare-To-Fire Checks on M551 AR/AAV	x	x	
G-1(5)	Perform Driver's Prepare-To-Fire Checks on M551 AR/AAV	x	x	
G-1(2) G-1(5)	Perform After-Firing Checks & Services on M551 AR/AAV Gun/Launcher	x	x	x
E-2(15)	Maintain Cal. 50 HBM2 Flex Machine Gun; Check & Set Head Space & Timing on Cal. 50 HBM2 Flex Machine Gun	x	x	x
E-2(3)	Engage Targets & Apply Immediate Action to Cal. 50 HBM2 M2 Flex Machine Gun	x	x	x
E-2(12)	Adjust Fire from a Subsequent Fire Command	x	x	x
E-2(1)	Select & Occupy Firing Positions	x	x	x
E-2(5)	Zero Gun/Launcher on M551 AR/AAV	x	x	x
E-2(2)	Engage Targets with M551 Shillelagh Missile	x	x	x
E-2(1)	Engage Targets with M551 Conventional Round	x	x	x
G-1(5)	Perform Missile Subsystem Check	x	x	x
	Fire M176/226 Grenade Launcher		x	x
E-2(11)	Issue a Fire Command for an M551		x	x

WRITTEN COMPONENT MOS 11E

DUTY MODULES

SKILL LEVELS TASK # SQT TASK TITLE 2 3 TRACK 3: M60A2 CREWMAN Extinguish a Fire in a Tank х х G-1(2) G-1(5) Perform Before, During and After Operation Maintenance Checks and Services on an M-60 Series Tank x х G-1(7) Maintain Operator's Items in Equipment Logbook х х E-3(1) Start & Stop a Tank Engine х х E-3(1) Operate a Tank (M60A2) х х Recover a Tank by Self-Recovery Means E-3(13) х х Load the Main Gun Round/Missile on M60A2 Tank E-2(1) х х Apply Misfire Procedures for M60A2 Main Gun E-2(9) Failure to Fire х х G-1(5)Perform Driver Prepare-To-Fire Checks on M60A2 Tank х х Perform Loader's Prepare-To-Fire Checks on G-1(5) M60A2 Tank х х

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E-2(12)	Use Battlesight	х	x	х
E-2(12)	Adjust Fire from a Subsequent Fire Command	x	x	х
E-2(5)	Boresight Gun/Launcher on M60A2 Tank	x	x	x
E-2(14)	Determine Range to Target Using Laser Rangefinder	x	x	x
È-2(1)	Select & Occupy Firing Positions	x	x	x
G-1(5)	Perform M60A2 Missile Subsystem Check	x	x	x
G-1(5)	Perform Gunner's Prepare-To-Fire Checks on M60A2 Tank	x	x	x
E-2(5)	Zero M85 Cal. 50 Machine Gun		x	x
E-2(11)	Perform Tank Commander's Prepare-To-Fire Checks on M60A2 Tank		x	x
E-2(11)	Issue a Fire Command for a Tank		x	x
	Fire an M226 Grenade Launcher		x	x
E-2(14)	Determine Range to Target Using Laser Rangefinder (From TC Position)		x	x

NON WRITTEN COMPONENTS MOS 11E

Hands-On Component (HOC) DUTY MODULES SKILL LEVELS TASK # SQT TASK TITLE 2 3 4 COMMON CORE Put On a Protective Mask х х E-2(2)Prepare an M72A2 LAW for Firing х х E-4(2)Fire an M18A1 Claymore Mine х х E-2(15) Maintain a Coaxial Machine Gun х х C-1(2) Operate Tactical FM Radio & Accessories x х TRACK 1: M60A1 CREWMAN E-3(14) Prepare a Tank for Nuclear Attack х х G-1(2) G-1(5) Perform After-Firing Checks & Services on 105 mm Main Gun х х E-2(9) Perform Loader's Misfire Procedures for 105 mm Main Gun х х G-1(5)Perform Prepare-To-Fire Checks х х E-2(5)Boresight Gunner's Telescope & Periscope with Main Gun х х TRACK 2: M551 CREWMAN Maintain Cal. 50 NBM2 Flex Machine Gun E-2(15) х х Check & Set Head Space & Timing on a Cal. 50 E-2(15) HBM2 Flex Machine Gun ХÌ х E-2(5)Boresight Gun/Launcher on M551 AR/AAV х х TRACK 3: M60A2 CREWMAN E-3(14) Prepare a Tank for Nuclear Attack х х E-2(14)Determine Range to Target Using Laser Rangefinder x х Perform Gunner's Prepare-To-Fire Checks on G-1(5)M6-A2 Tanks х х Performance Certification Component (PCC) for MOS 11E Pass Advanced Physical Fitness Test х X х Engage Targets & Apply Immediate Action to Cal. 45 Pistol х х х

	MODULE: A-2 PERFORMS UNIT SUPERVISION AN	vd control of	PERSO	ONNEL		Relate Tas		
1.	Inspect personnel, equipmer areas	nt, and livin	-	dining				
2.	Process incoming and outgoi	ing personnel	• • •	•••	• • •			
3.	Establish and post unit fil	les, ARs, and	Circu	ilars .				
4.	Prepare unit orders, corres	spondence, an	d SOPs		• • •			
5.	Prepare and review work sch administrative and technica							
6.	Prepare recommendations on personnel management at the				•••			
7.	Form unit for military form dismounted drills				•••			
8.	Schedule leaves and passes	• • • • • • •	• • •		• •			
9.	Prepare sick slips	· · · · · · ·	• • •		• •			
						a special sectors		
	ent of Total Job Time at on Entire Duty Module:	0-10% 10	-30%	30-50	50-70	70-90	90-	100%
Sper Rolat		0-10% 10 The Most Critical		30-50%		70-90 erage	Le	100% ast ical

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DUTY	MODUL	E:	B-2
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CONDUCTS AND COORDINATES TRAINING IN THE UNIT

Related SQT Tasks

1.	Evaluate personnel and recommend training
2.	Inspect and report on conduct of training
3.	Coordinate unit training schedules and activities
4.	Organize unit schools and train instructors
5.	Request, recommend, allocate, and inspect training sites
6.	Prepare or adapt training plans and programs
7.	Coordinate training support facilities and personnel
8.	Conduct on-the-job training
9.	Conduct unit training and training exercises
10.	Conduct individual training
11.	Prepare lesson plans and training aids
12.	Initiate and post training records and reports

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INCLOSURE 8 - 2

	MODULE: C-1	
1	RATES UNIT TACTICAL COMMUNICATIONS EQUIPMENT EXCLUDING	Related SQT Tasks
USE	OF MORSE CODE	
1.	Install and operate telephone equipment to communicate within armored vehicles	
2.	Install and operate radio telephone equipment to com- municate within platoon and company	6101
3.	Install and operate field telephone switchboard	
4.	Establish and operate radio remote control station $\ .$.	
5.	Establish and operate field communications relay station	
6.	Read, interpret, and follow SOI in operating communi- cations equipment	6105
7.	Encode and decode messages using simple codes and cipher devices	6110,6111
8.	Employ transmission security, authentication procedures and counter countermeasures such as frequency changes against enemy intercepts, false messages, and ECM such as jamming	6106
9.	Serve as net control station	
10.	Connect and disconnect communications equipment	
11.	Erect radio antennas	
12.	Lay and maintain field wire lines	
13.	Serve as mounted or dismounted messenger	

Percent of Total Job Time Spent on Entire Duty Module:	0-10% 1	0-304 3	30-50	50-7	70-	901 90	-100%
Rolative Griticality of the Entire Duty Module to My Job:	The Most Critical		tical.		/erage	1	east tical
How Did You Acquire the Skills of this Duty Module?	Civilian Training	4	Ser Sch			raining chool	OJT

INCLOSURE 8 - 3

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Related SQT Tasks

DUTY	MODULE:	D-1
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OPERATES UNIT COMBAT SUPPORT VEHICLES

1.	Spot paint vehicles	• • •	••	•••	••	•••	•					
2.	Service vehicles with gas, oi and minor parts	-	ican • •	t, co	oola 	nt, • • • •	•					
3.	Inspect and maintain gas part	iculate	fil	ter ı	unit	••	•					
4.	Remove and install access cov	ers and	dra	in p]	lugs	• •	•					
5.	Remove and install tracks, tra											
6.	Remove, install, inspect, and extinguishers				•••		•					
7.	Drive wheel vehicles and trai	lers .	••	•••	•••	•••	•					
8.	Drive track vehicles and trai	lers.	••	• • •	••	• • •	•					
9.	Load and unload vehicles	• • •	••	• • •	••	• • •	•					
10.	Prepare vehicle records	• • •	• •	•••	• •		•					
11.	Use towing winch	, .	•••	• • •	• •	•••	•					
12.	Mount and dismount vehicle we	apons	••	• • •	• •	•••	•					
13.	Load, inspect, and lash vehic for rail and air movement					•••	•					
14.	Perform organizational mainten support vehicles	nance or		mbat	•	• • •	•					
15.	Prepare vehicles for speciali	zed open	rati	ons .	•	• • •	• •					
	ent of Total Job Time nt on Entire Duty Module:	0-10%	10-	30%	30-	50%	50-70	1	70-90	01	90-	100\$
	tive Criticality of the ire Duty Module to My Job:	The Mo Critic		C	riti	.ca1		era	age	(Lea Criti	ast ical
	•			<u> </u>								
	Did You Acquire the lls of this Duty Module?	Civili Traini		BCT ` A I		Serv Scho	1		it Tra or Scl			OJT

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	MODULE: E-1 PARES AND EMPLOYS MAPS, CHARTS, LAND NAVIGATION	AND IN	STRL	JMENT	5			Relat Ta	ed S Isks	QT	
1.	Determine scale of aerial phot ground objects	ographs	anc	l ide	ntify ••••		•				
2.	Read maps and aerial photograp	ohs	••	•••	• • • •		•				
3.	Sketch terrain maps from visua	1 data	•••	••	•••		•				
4.	Prepare and employ overlays .	•••	••	• •	• • • •	••	•	5311			
5.	Control orientation and direct	ion of	move •••	ement	by		•				
6.	Plot distances and locations a by intersection or other techn		rmir • •	ne el • •	evation	15	٠	5306,5	303		
7.	Determine course, distance, an and map scale	d locat	ion • •	with •••	protra	acto	or •	5307			
8.	Determine approximate azimuth	from su	n ar	nd st	ars.		• 1				
	ent of Total Job Time	0-10%	10-	301	30-50		50-701	70-9	01 9	00-1	001
	ent of Total Job Time nt on Entire Duty Module:	0-10%	10-	301	30-50		50-701	70-9	01 9	0-1	00\$
Spe Rola		0-10% The Mo Critic	st		30-50			5 70-9		00-1 Lea iti	st

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ENGA	MODULE: E-2 GES ENEMY WITH TANK AND ARMOR ULT WEAPONS	VEHICLE	MOL	INTED					Та	sks	
1.	Employ tank gun								7021	,7020, ,7033, ,7068	
2.	Employ tank missiles	• • •	••	• •	•••	••	• • •			,250ì	
3.	Employ tank mounted machine g	un	••	• •	•••	•••	•••		6709	,6505	
4.	Employ searchlight for battle and target identification										
5.	Boresight and adjust tank gun fire control equipment					••			7034	,6716, ,7087, ,7066	
6.	Calculate minimum elevation f	or gun	••	• •	•••	· •	• • •				
7.	Set out aiming stakes	• • •		• •	• •	• •					
8.	Estimate horizontal and verti	cal ang	les	• •	••	••	•••				
9.	Remove misfires	• • •	••	• •	••	× •				,7060,1	7061
10.	Conduct weapons registration	• • •	••	• •	•••	• •			7043	,7004	
11.	Give fire commands	• • •	• •	• •	• •	••			7038,	7072,7	7093
12.	Adjust fire by determining an and deflection corrections .					•••				7026,7	7027
13.	Uncrate, inspect, inventory,	and sto	w am	muni	tior	ı .			7028		
14.	Employ laser and other range	finding	equ	ipmer	nt	• •	• • •		7048,	7082	
15.	Troubleshoot tanks and armor	weapons	ma 1	funct	tior	ns.	• • •		-	6502,6	5703
	s										
	nt of Total Job Time t on Entire Duty Module:	0-105	10-	305	30-	-50%	50-7	08	70-90	90-	100\$
•	·										
	ive Criticality of the re Duty Module to My Job;	The Mo Critic		C	riti	ical	. A	vera	age	Le Crit	ast ical
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	id You Acquire the	Civili	an	BCT	or	Ser	vice	Un	it Tra	ining	Ιστη
Skil	ls of this Duty Module?	Traini	ng	AI	r	Sch	001		or Sch		╄━━-[[]
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DU	TY MODULE: E-3									ted SQ1 asks	ſ
DR	RIVES TANKS AND ASSOCIATED ARMOR	COMBAT	VEHI	CLES				L.	13	asks	
1.	Drive tanks and armored vehicl non-combat situations					• • •	•••		7008	,7009	
2.	Drive amphibious vehicles in c					t • • •	•••				
3.	Perform field repair of vehicl	e track	sys	tem			••				
4.	Receive and respond to verbal, flag signals in driving vehicl	hand, es	ligh • •	it, ai • •	nd • •	• • •			2002		
5.	Stow rations, ammunition, and in tanks	persona ••••	leq	uipm	ent	• • •					
6.	Perform pioneer work on trails	and par	rkin	ig ari	eas	•••	••				,
7.	Operate tank mounted bulldozer	•••	• •	••	• •	• • •	••				
8.	Operate fuel transfer pump, tu bilge pumps				••		• •				
9.	Operate auxiliary generator an	d engin	e.	••	•••	• • •	• •				
10.	Install and operate infra-red night driving				••	•••	••				
<u> </u> 11.	Conduct safty checks on tanks	and arm	ored	l veh	icle	s.,	••				
12.	Service armored vehicles		• •	• •	••	• • •	••				
13.	Perform organizational mainten armored vehicles	ance on	tan	iks ai	nd	• • •	• •		7011		
14.	Prepare vehicles for specializ	ed opera	atio	ns	• •		• •		5401		
									14140-0 -1-1		
	rcent of Total Job Time pent on Entire Duty Module:	0-10%	10-	-30%	30-	504	50-70	35	70-90	90-	100
							·				
	lative Criticality of the ntire Duty Module to My Job:	The Mo Critic			<u> </u>	cal		/era	ge	Le <u>Crit</u>	ast ical
	•						<u> </u>				
	w Did You Acquire the kills of this Duty Module?	Civili Traini		BCT (Serv Scho			t Tra r Sch	vining Nool	OJT

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INCLOSURE 8 - 7

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1	MODULE: E-4 LACES, REPORTS, AND NEUTRALIZE	ES TACTICAL	OBSTACLI	ES	1	ated SQ Tasks	ſ
1.	Prepare obstacles and barrie	ers	• • • •	• • • • •	_		
2.	Lay minefields and emplace t anti-personnel mines	booby traps	and • • • • •		230	1	
3.	Plot, report, and mark mined crossing sites	fields and s	tream				
4.	Locate and disarm mines usin probing	ng mine dete	ctor or	by 			
5.	Breach minefields and mark r	routes throu	gh them	• • • • •			
6.	Build roadblocks and dig tan	nk obstacles	• • •	• • • • •			
	nt of Total Job Time it on Entire Duty Module:	0-10% 10	-301 30	-50% 50-7	70-9	01 90-	100\$
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01101	ive Criticality of the re Duty Module to My Job:	The Most Critical	, Crit		verage	Lea Criti	ist cal

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INCLOSURE 8 - 8

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	MODULE: E-5 ORMS IN MOUNTED, DISMOUNTED, A OLS	AIRBORNE, O	R LONG	RANGE			ted SQT asks	•
١.	Plan patrol operations	• • • • • •	• • •	• • • •	•			
2.	Assemble, inspect, issue patr lead patrol				•			
3.	Operate listening or observat	ion post		••••	•	5901	,5902	
4.	Employ and adjust long range	fires	• • •		•	7602	-	
5.	Employ long range telescope	• • • • •	• • •	• • • •	•			
6.	Scout enemy formations, posit vehicles, and equipment				•	5401	,5101	
7.	Engage and penetrate enemy fo	prces	•••	• • • •	•			
8.	Employ demolitions		•••	••••	•			
9.	Inspect, classify, and evalua crossing sites, roads, bridge and obstacles				els,	5304		
10.	Mark route or serve as guide	• • • • •	• • •	• • • •	•			
11.	Report information or observa	tions	•••	• • • •	•			
12.	Employ deceptive measures, e. and concealment	g., camouf	lage,	cover, • • • • •	•			
13.	Use passwords and code	• • • • •	• • •	• • • •	•	0903		
	nt of Total Job Time t on Entire Duty Module:	0-10% 10	- 30%	30-50%	50-70	70-9	0\$ 90-	100\$
Rolat	ive Criticality of the re Duty Module to My Job:	The Most Critical	Cri	itical .	 	/erage	Le: Crit	ast ical
	id You Acquire the ls of this Duty Module?	Civilian Training	BCT OI	r Serv Scho		Unit Tr or Sc		TLO

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	' MODULE: E-7 TICIPATES IN GROUND TACTICAL OP	FDATIONS	٥٩	MEME	1FD			Rela		•	
	MANEUVER UNIT		72	116116				T	ask	5	
1.	Analyze mission, terrain, ene units to determine and plan s	my, own, cheme of	and man	l sup ieuve	porting	g 	.	7708			
2.	Prepare and issue written or and warning orders						.	9601			
3.	Continually analyze situation and issue modifying orders .	, make or	1-th •••	e-sp	ot dec	isio •••	ns,	7711			
4.	Participate individually in t member or immediate superviso fire, advancing to contact, a	r in esta	ilde	shin	ig bases	s of					
5.	Use camouflage cover, conceal	ment, and	i/or	dis	persion	n.	•				
6.	Prepare deliberate and hasty fields of fire and construct	defense p obstacles	osi	tion	s, clea	ar • •	•				
7.	Serve as messenger or liaison	agent .		• •	• • •	• •	•				
8.	Keep self, subordinates, supe informed of tactical situation	rior, and n	lad	jace	nt elem	nent:	s				
9.	Identify and report casualties	s			• • •	•••	•				
10.	Employ first aid and establis	h field s	ani	țati	on	• •	•	0407	,010)2	
11.	Establish and maintain local	security		• •	• • •		•				
12.	Capture, search, segregate, se POWs	afeguard,	an	dev	acuate	•••	•	0901			
13.	Call for and control air stri	kes and s	upp	orti	ng grou	Ind	•	7601			
14.	Utilize enemy equipment and p	repared p	osi	tion	s	• •	•				
15.	Prepare field messages and ske	etches .	• •	• •		•••	•	9701			
16.	Coordinate use of electronic s	surveilla	nce	dev	ices .	••	•				
							* 			-	
Perci	ent of Total Job Time	0-10%	10-3	505	30-50%	150	-70%	70-9		90-	100\$
	nt on Entire Duty Module:		<u> </u>			1			-		
Rola	tive Criticality of the	The Most	e T	<u> </u>	itical	<u></u>	Aver	age		Lea	ast
Enti	ire Duty Module to My Job:	Critica	<u> </u>			·			(<u>rit</u>	ical
11		[<u> </u>					
	Did You Acquire the lls of this Duty Module?	Civilian Training		AIT		rvic hool		it Tra or Scl			OJT
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INCLOSURE 8 - 10

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	MODULE: F-1 TES AS COMBAT OPERATIONS SERGEANT	Related SQT Tasks
1.	Prepare and distribute tactical plans, orders, and maps	7712,7708
2.	Plan aerial and ground operations and CPX	·
3.	Issue and control air-ground recognition procedures	
4.	Establish and update a situation map and overlap	
5.	Establish and post an operations journal and SOP	
6.	Prepare after-action reports and participate in critique of tactical operations	
7.	Coordinate logistics, personnel, and intelligence support of tactical operations	
8.	Gather data for, and prepare tactical operations reports	
9.	Coordinate fire control facilities for subordinate and attached units	
10.	Receive, log, and distribute tactical messages and orders	
n.	Coordinate operations section activities	
12.	Coordinate liaison agents' activities	

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Percent of Total Job Time Spent on Entire Duty Module:	0-10% 10	-301 3	0-50%	50-70	70-90	90-	100\$
Rolative Criticality of the Entire Duty Module to My Job:	The Most Critical	Cri	tical	ι	rage	Le Grit	ast ical
How Did You Acquire the Skills of this Duty Module?	Civilian Training	BCT or AIT	Ser Sch		Init Tra or Sch	•	OJT

INCLOSURE 8 - 11

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	MODULE:			0.54117	•					ask	•	
SER		MBA I	INTELLIGENCE SER	GEAN I								
1.	Prepare and distribute intelligence reports and annexes											
2.	Make and evaluate spot reports											
3.	Analyze and advise on effects of weather and terrain on military operations											
4.	Analyze and prepare brief on enemy situation and capabilities											
5.	Receive, process, and safeguard classified and enemy documents, materials, and equipment											
6.	Establish and post intelligence journal, logs, SOP, and OB information											
7.	Coordinate employment of attached intelligence units											
8.	Plan and coordinate counterintelligence in subordinate units											
9.	Prepare and distribute maps to subordinate units											
10,	Plan and photo ir	l coo iterp	rdinate aerial ph retation	notograp ••••	hy a	ctiv • •	rities an					
11.	Plan and coordinate electronic battlefield sur- veillance											
12.	Inspect subordinate units for compliance with personnel, communications, and physical security											
							. <u></u>					
	nt of Tot t on Enti		ob Time uty Module:	0-10%	10-	30%	30-50	50-70°	70-9	01	90-100	
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			ty of the e to My Job;	The Mo Critic		С -	ritical	Aver	age	(Least Critical	

Civilian | BCT or Training | AIT

Unit Training OJT or School

Service School

How Did You Acquire the Skills of this Duty Module?

INCLOSURE 8 - 12

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DUTY MODULE: G-1 PERFORMS USER MAINTENANCE ON INDIVUNIT EQUIPMENT AND WEAPONS	/IDUAL AND	- - -			R	elated S Tasks	SQT				
1. Clean equipment and weapons .		0405									
2. Service equipment and weapons we coolants and fluids		7	7006,7065,7001								
3. Waterproof, fungi-proof and otherwise prepare equipment and weapons for unusual climatic conditions											
4. Replace lamps, wiper blades, fi similar minor parts			••••	••							
5. Conduct pre-operation and post- manual inspection	7(7(7071,7000,7054 7006,7022,7039 7063,7001,7081 7053,7064,7065									
6. Identify and report malfunctions and defects in weapons and equipment											
7. Make entrics in weapon and equi	pment log	books	• • • •	••	1:	304					
8. Use simple hand tools				• •							
			·		er Dit brink imp grupp som som so		.				
Percent of Total Job Time Spent on Entire Duty Module:	0-10% 1	0-30%	<u>0-50%</u>	50-70%	70-90	90-10	03				
Relative Criticality of the Entire Duty Module to My Job:	The Most Critical Av Critical			Avei	Verage Least Critical						
How Did You Acquire the Skills of this Duty Module?	Civilian Training	BCT or AIT	Serv Scho		nit Tra or Sch	~ 1					

INCLOSURE 8 - 13

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