AD-A133 316 COMBINED ARMS SUFFICIENCY STUDY (CASS) UPDATE(U) ARMY COMBINED ARMS CENTER FORT LEAVENWORTH KS 07 APR 83 SBI-AD-E750 847 1/3

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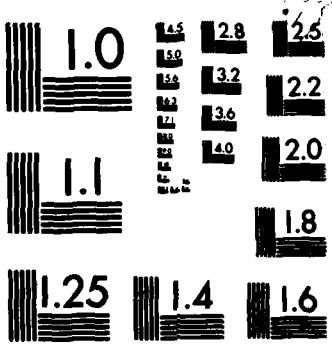

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DEPARTMENT OF THE ARMY
U.S. ARMY COMMAND AND GENERAL STAFF COLLEGE
FORT LEAVENWORTH, KANSAS 66027

REPLY TO ATTENTION OF

ATZL-SWP-IT

7 APR 1983

SUBJECT: Combined Arms Sufficiency Study (CASS) Update

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1. References:

a. Letter, Headquarters, Combined Arms Center and Fort Leavenworth, dated 23 September 1981, Subject: Combined Arms Sufficiency Study.

b. Letter, Headquarters, Combined Arms Center and Fort Leavenworth, dated 26 November 1982, Subject: Combined Arms Sufficiency Study.

c. Message, Commander USACAC and Fort Leavenworth, ATZL-SWP-IT, DTG 182346Z February 1983, Subject: Combined Arms Sufficiency Study (CASS).

2. As announced in reference b, the update of the original Combined Arms Sufficiency Study (reference a), has been accomplished. Results of the study are forwarded for your use.

3. The results of this study are to be used to gauge the sufficiency of Combined Arms instruction at the level necessary for company grade officers to have an understanding of their role in the AirLand Battle. Pay particular attention to the subjects rated by the schools at Sufficiency Level 1 and 2. Also of special interest are the subject areas identified as anomalies in the study, and those subjects which are treated in specified schools in a manner significantly at variance from the norm.

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4. The CASS is intended to be used as a reference during development of Combined Arms training in Officer Basic and Advanced Courses to assure that Combined Arms subjects receive adequate attention. CASS data will continue to be refined and updated in the future. Study results will also be used during TRADOC Service School Evaluations and during CAC quarterly liaison visits to assess the overall adequacy of Combined Arms training.

5. Although the focus on Combined Arms Sufficiency, for this study, has been on institutional programs, Combined Arms subject coverage in non-resident course material should also be examined for currency and completeness.

6. Due to actions pending at HQ TRADOC on the status of overall training strategies, the action plan, previously requested, to describe the treatment of Combined Arms training is hereby placed in abeyance. Additional instructions will be forthcoming.

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ATZL-SWP-IT
SUBJECT: Combined Arms Sufficiency Study (CASS) Update

7 APR 1983

In the interim the team from the Combined Arms Training Integration Directorate will be available on request to assist with Combined Arms programs for OBC and OAC.

1 Encl
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Major General, USA
Deputy Commandant

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COMBINED ARMS SUFFICIENCY STUDY

UPDATE

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Combined Arms Sufficiency Study (CASS) Update

GENERAL

1. Since the initial Combined Arms Sufficiency Study (CASS), dated 23 September 1981, many changes have taken place as new doctrine has been published and many programs of instruction (POI) for Officer Basic and Advanced Courses have evolved to accommodate new requirements. The intent of the Combined Arms Sufficiency Study as originally conducted, was to obtain a snapshot of the status of Combined Arms instruction at the time and provide commandants comparative data with which they could make an educated estimate of the effectiveness of their combined arms instruction. The original intent is still applicable.

2. The purpose of the current update is to build on the original study, refine the Combined Arms Sufficiency data, and through a systematic process, identify courses of action to continue to enhance Combined Arms instruction in company level professional development courses.

3. The original study pointed out that there is little if any standardization in the way Combined Arms subjects are treated in various school POI. However, there was general consensus that to do the Combined Arms teaching job to standards which could be considered sufficient, more time and resources were needed than are presently available. Thus hard decisions are required to teach both essential specialty subjects and Combined Arms fundamentals in the time available.

4. This update is intended to develop Combined Arms Sufficiency data to a credible confidence level so that decisions can be made on tradeoffs and accommodations, with a clear understanding of what the costs are in terms of specialty and Combined Arms understanding.

5. The objectives of the present Combined Arms Sufficiency update are to:

a. Identify all Combined Arms subjects and develop an updated list.

b. Identify Combined Arms subjects which should be taught in Officer Basic and Advanced Courses, and to what level of sufficiency.

c. Enhance Combined Arms instruction by better defining personnel and other resource requirements.

d. Facilitate the infusion of Combined Arms subjects into the OJTA process.

6. The Combined Arms subjects identified in the updated data are forwarded for use by the commandants in assessing the relative emphasis on Combined Arms training in officer professional development courses. Not only is a snapshot of Combined Arms treatment in individual schools provided but also a collective view of how other schools and subject proponents treat each Combined Arms subject.

7. The requirement for submission of Individual School Action Plans for achieving Combined Arms Sufficiency in OAC and OBC, as originally discussed in the 26 November 1982 letter, is hereby placed in abeyance. Further guidance on Combined Arms training strategies will be provided by separate correspondence. However, a Combined Arms team from this headquarters can be made available upon request to work with individual school staffs in developing OAC and OBC Combined Arms programs.

8. At the direction of the Commander, TRADOC, the results of the Combined Arms Sufficiency Study have been used in the development of a proposed list of common core Combined Arms subjects for possible mandatory instruction in Officer Advanced Courses. Further action on this is still pending. If directed, the common core subject list will be promulgated by separate correspondence. At Annex L is the list of Combined Arms subjects recommended to TRADOC for inclusion in the proposed common core. Comparison of current Combined Arms training with this proposed common core subject list may indicate where improvements or adjustments are needed in OBC and OAC POI's.

DISCUSSION

9. All Combined Arms subjects have been grouped under specific battlefield functional areas in accordance with doctrinal categorization in FM 100-5. Annex B identifies Combined Arms subjects by functional area.

10. It should be noted that the following subjects: Command Post Function and Organization, Military Police Operations, Area Damage Control, Rear Area Protection, Terrain Analysis, Air Cavalry, Mine Warfare, USA Organization and Capabilities (Bn, Bde, Div, Corps) and Internal Defense and Development, have been added to the Combined Arms Subject List. Though not included on the recent survey, these subjects will be included during future surveys and should be included in individual programs where appropriate. For the purpose of this review, best judgement sufficiency levels have been assigned to each subject (see Annex C). More precise levels will be established during subsequent updates. Other changes to the original Combined Arms list: (a) Tactical Nuclear Operations (paragraph 14) and NBC Warfare (paragraph 16) have been consolidated under the umbrella of Nuclear Chemical Action Plan (NUCAP) tasks. (b) Proponent recommended sufficiency levels and hours for Army Aviation have been aligned with the 19 aviation tasks identified in the RETO process. (c) The original Combat Service Support subjects have been adjusted to reflect the organization and functions of CSS forces in the context of AirLand Battle, instead of peacetime operations.

11. Correlation has been established between the original CSS subjects surveyed and the adjusted CSS listing to reflect the AirLand Battle context. In accomplishing this, some earlier listed subjects determined to be no longer applicable in the AirLand Battle context have been merged with other subjects and deleted from the list as stand alone subjects. Following are some key adjustments to the previous CSS subject list: (a) "Logistics Operations", has subsumed Ammunition Support Structure and Requisitioning, Ammunition Supply Rates and DAO Functions, and Supply. (b) "Transportation Operations", has subsumed Convoy Operations and Movement Control. (c) "Maintenance Operations" has subsumed Recovery and Evacuation, Command and Staff Management of Preventive Maintenance and The Army Maintenance Management System. (d) "Personnel and Administration Operations" has subsumed Manpower Accountability, Casualty Reporting and Replacements. (e) "Medical Services Operations" has subsumed First Aid and Medical Evacuation.

12. It is important to align Combined Arms instruction for the student officer with the appropriate tactical level of involvement on the battlefield. In order to assist in determining the appropriate tactical level of involvement by branch, a schematic of the typical echelons where branch officers will be found on the AirLand Battlefield is at Annex I.

13. The process of folding Combined Arms subjects into the OJTA/MQS system must be initiated to insure that Combined Arms subjects receive proper attention during the training development process. It is recognized that converting Combined Arms subjects, as we have described them in the CASS,

into specific task descriptions for an officer will be somewhat challenging. However, because of the importance of these subjects to the officer's understanding of the conduct of AirLand Battle, this incorporation must be made. Designated subject proponents are expected to take the lead in this adaptation.

14. To facilitate the development of tasks and to insure that current doctrine and training support is provided, liaison between schools is encouraged. To reiterate a recommendation made in the original CASS, a traditional means of updating service school faculty is to periodically bring the faculty member "back home" to his/her branch school to receive information on changes and new ideas. This should be one of the principal goals of each branch proponent in implementing better Combined Arms training.

15. Since the lack of resources and differing mix and experience level of instructors at individual schools can have a significant impact on the type and quality of instruction, another purpose of the CASS is to assure that resources are made available for the schools to conduct Combined Arms instruction to required sufficiency. Commandants should review present Combined Arms instruction capabilities and where voids exist that cannot be corrected, request assistance as appropriate. CAC will actively support all reasonable and verifiable requests for necessary resources.

FINDINGS

16. Analysis of the updated CASS data revealed, as expected, continuing differences among the TRADOC schools as to the importance of individual Combined Arms subjects, what constitutes a sufficient understanding of each in terms of the various branches and specialties, and the emphasis being placed on Combined Arms training in general. In order to promote some congruency in the treatment of Combined Arms subjects, an effort has been made to correlate subject sufficiency input by functional grouping as follows:

a. Combat Arms, Maneuver - (Infantry, Armor and Aviation).

b. Combat Arms, Non-Maneuver - (Field Artillery, Air Defense Artillery and Engineer).

c. Combat Support - (Signal Corps, Military Police, Military Intelligence and Chemical Corps).

d. Combat Service Support - (Ordnance, Missile and Munitions, Adjutant General, Finance Corps, Quartermaster, Transportation and Medical Service Corps).

By grouping sufficiency data in the manner described above, distinctions between the requirements of individual branches and specialties can be more effectively made.

17. Examination of the original Combined Arms subject list revealed several subject areas which probably should not have been considered Combined Arms in the context of CASS. Although such subjects may be important and highly regarded by the schools, they are more naturally associated with individual Common Military Training (CMT), or specialty development training . At Annex A are subjects determined to be in this category which have been deleted from the most recent Combined Arms subject list. Appendices 1 through 8 list these subjects in sufficiency level priority, for each functional arms group, as reported by the schools.

18. Survey results for Combat Arms (Maneuver and Non-Maneuver) are at Annex D. Combat Support schools data are at Annex E and Combat Service Support school data are at Annex F.

19. Based on data submitted by service schools and subject proponents, and using methodology described in Annex K, relative importance of individual Combined Arms subjects has been established (for OAC and OBC) for Combat Arms (Maneuver and Non-Maneuver), Combat Support and Combat Service Support Schools. The resulting Combined Arms subjects rated by the schools at sufficiency level 1 and 2 (with mean (average) hours indicated for acquiring that sufficiency) are at Annex G. The Combined Arms subjects rated at sufficiency level 3 and 4 are at Annex H. (It should be noted that schools and subject proponents often disagreed as to required sufficiency levels and hours. As was expected, proponents consistently called for more time and higher emphasis.)

20. In reviewing the input, certain anomalies were noted which need clarification. For example, in a number of cases little or no instruction is shown for subjects which have been determined to merit sufficiency level 1 and 2. The question which needs to be answered in these cases is why little or no coverage is being provided if understanding the subject is essential. In other cases instructional time is being devoted to subjects rated at sufficiency level 4, and subjects identified as requiring familiarity but no instructional time required. At Annex J is a list of such anomalies.

CONCLUSIONS

21. Unlike the original CASS, no subjective determination as to what subjects are "sufficient", "insufficient" or "not determined" was made. Due to the variances in specialty requirements and levels of tactical involvement in the AirLand Battle, a flexible approach will be taken to the treatment of Combined Arms subjects in individual programs. What is sufficient for one specialty may not be for another. The main objective is to provide meaningful data which commandants can use in deciding what should be taught in individual programs.

22. This study should be useful to commandants as a reference during future course development. The data in the CASS will allow the commandant to compare current Combined Arms training programs with other branch schools having a similar function on the AirLand Battlefield.

23. Review of OBC and OAC course programs of instruction should focus on the subjects rated at sufficiency level 1 and 2, the anomalies, and the subjects where coverage appears significantly at variance with other schools.

24. The CASS will be used by CAC Combined Arms Integration Teams as a reference during future OBC and OAC Program of Instruction (POI) reviews, and during future liaison/assistance visits to discuss Combined Arms training.

ANNEX A

SUBJECTS DELETED FROM THE COMBINED ARMS SUBJECT LIST

ANNEX A

SUBJECTS DELETED FROM COMBINED ARMS SUBJECT LIST[1]
(ALPHA NUMERIC DIGIT REFERS TO ORIGINAL CASS PARAGRAPH)

1a	Mission and Role of USA
1c(1)	Enemy AD[2]
1c(5)	Protection of Sensors and Deep Attack Systems
1c(6)	Extended Battlefield[3]
1d	Underlying Fundamentals of Modern Combat[3]
5c	Meeting Engagement[4]
6g	C^3 Options Once the Battle Begins[5]
7a	Disengagement[6]
8f	Covering Force
11b	Artillery Effects (Shell fuze Combinations)
12f	Visual Aircraft Recognition
14.	Tactical Nuclear Operations[7]
a.	Nuclear Weapons Effects
b.	The Nuclear Battle
(1)	Planning
(2)	Tactics
c.	Nuclear Release and Employment
d.	Nuclear Logistics
e.	Reconstitution
f.	C^3 on the Nuclear Battlefield[5]
15e	Atomic Demolition Munition (ADM) Operations
16.	NBC Warfare[7]
a.	US Policy
b.	Threat Policy
c.	Survivability
d.	Offensive Use
e.	Defensive Use
f.	Reconstitution
g.	NBC Logistics
17d	Integrated Intelligence Operations with Tactics
19.	NATO Interoperability
20a(1)	Load Planning
(a)	Air
(b)	Land
(c)	Sea
20a(4)	Aviation Logistics
20b(2)	Ammunition Safety, Storage and Transportation
20b(4)	Munition Identification
20b(5)	Ammunition Emergency Destruction Procedures
20b(6)	EOD Operations
20c(3)	Repair Parts Supply (PLL)
20c(4)	Preventive Maintenance Checks and Services (PMCS)
20d(2)	Estimates[8]

20f	Petroleum, Oil and Lubricants (POL)
20g	Subsistence
21a	Combat Vehicle Identification
21b	POW Processing
21c	Geneva Convention
21d	Code of Conduct
21e	Process Captured Documents and Material
21f	Land Navigation
21g	Use of Organic Radio Equipment
21j	Training Management (to include OPFOR Training)
21k	How To Train[8]

NOTES:

1. Subjects on this list have been determined to be Common Military Training (CMT) in nature, and thus deleted from this CASS list, or have been rolled up into broader Combined Arms categories for purposes of the CASS.

2. Subject included in Threat.

3. Subject included in USA AirLand Battle Operational Concept.

4. Subject included in Movement to Contact.

5. Subject included in Command, Control and Communications (C^3).

6. Subject included in Retrograde Operations.

7. Subjects covered in Nuclear Chemical Action Plan (NUCAP) tasks (paragraph 6D, Nuclear and Chemical Weapons Employment).

8. Subject Proponent Recommended Deletion.

*ANNEX A

APPENDIX 1 THROUGH 4

REPORTED DATA ON SUBJECTS DELETED FROM THE

COMBINED ARMS SUBJECT LIST FOR OFFICER BASIC COURSES

*Since some of these subjects will be of interest in future training development, in individual programs, data collected during this update is displayed in a format reflecting priority of emphasis as reported.

ANNEX A

APPENDIX 1

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER) FOR COMBAT ARMS MANEUVER OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21d	Code of Conduct	1	1.3
21c	Geneva Convention	1.3	1.7
21f	Land Navigation	1.3	22.3
21g	Use of Organic Radio Equipment	1.3	14.7
20c(4)	Preventive Maintenance Checks and Services	1.7	18.3
5c	Meeting Engagement	2	6.7
7a	Disengagement	2	5.5
11b	Artillery Effects	2	2.7
17d	Integrated Intelligence Operations with Tactics	2	5.7
20b(4)	Munition Identification	2	2.8
21k	How to Train	2	12.7
1a	Mission/Role of USA	2.3	2.3
1d	Underlying Fundamentals of Modern Combat	2.3	2.7
12f	Visual Aircraft Recognition	2.3	2
21a	Combat Vehicle Identification	2.3	4.3
21b	POW Processing	2.3	1.3
21j	Training Management	2.3	6.7
6g	C3 Options Once the Battle Begins	2.7	2
8f	Covering Force	2.7	2
20b(2)	Ammo, Safety, Storage & Transportation	2.7	1.5
20c(3)	PLL	2.7	5.3
20f	POL	2.7	1.7
1c(1)	Enemy AD	3	1.3
20a(1)(b)	Land Load Planning	3	1.7
20b(5)	Ammo Emergency Destruction Procedures	3	1.5
20g	Subsistence	3	0.5
21e	Process Captured Documents & Material	3	1
1c(6)	Extended Battlefield	3.3	0.7
15e	ADM Operations	3.3	0.2
19	NATO Interoperability	3.3	0.7
20a(1)(a)	Air Load Planning	3.3	1.2
20a(1)(c)	Sea Load Planning	3.3	0.8
20b(6)	EOD Operations	3.3	0.3
1c(5)	Protection of Sensors and Deep Attack Systems	3.7	0.7
20a(4)	Aviation Logistics	3.7	0.7
20d(2)	Estimates	3.7	0.2

ANNEX A

APPENDIX 2

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER) FOR CA NON-MANEUVER OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21f	Land Navigation	1	14
21g	Use of Organic Radio Equipment	1.33	9.67
21k	How to Train	1.5	5.5
20c(4)	Preventive Maintenance Checks and Services	1.67	9.07
21j	Training Management	1.67	9.73
20b(4)	Munition Identification	2	1.17
20c(3)	PLL	2	7.67
21a	Combat Vehicle Identification	2	2.4
21d	Code of Conduct	2	1.07
1a	Mission and Role of USA	2.33	1.5
1d	Underlying Fundamentals of Modern Combat	2.33	3.23
5c	Meeting Engagement	2.33	1
20b(2)	Ammo Safety, Storage and Transportation	2.33	1.17
20b(5)	Ammo Emergency Destruction Procedures	2.33	.9
21c	Geneva Convention	2.33	2.33
1c(1)	Enemy AD	2.67	.73
6g	C^3 Options Once the Battle Begins	2.67	6
20a(1)(a)	Air Load Planning	2.67	1.5
20a(1)(b)	Land Load Planning	2.67	1.67
20a(1)(c)	Sea Load Planning	2.67	.83
20f	POL	2.67	1.69
21e	Process Captured Documents and Material	2.67	.83
7a	Disengagement	3	.83
8f	Covering Force	3	2.17
11b	Artillery Effects	3	1
12f	Visual Aircraft Recognition	3	.55
15e	ADM Operations	3	.75
17d	Integrated Intelligence Operations	3	.63
19	NATO Interoperability	3	1.67
20b(6)	EOD Operations	3	1

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
20g	Subsistence	3	2
21b	POW Processing	3	.73
1c(6)	Extended Battlefield	3.33	.67
20a(4)	Aviation Logistics	3.33	.37
20d(2)	Estimates	3.33	.67
1c(5)	Protection of Sensors and Deep Attack Systems	3.67	.67

ANNEX A

APPENDIX 3

REPORTED DATA ON SUBJECTS DELETED FROM ORIGINAL
COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER)
FOR COMBAT SUPPORT OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21d	Code of Conduct	1.5	2.5
21f	Land Navigation	1.5	23
21g	Use of Organic Radio Equipment	1.5	19.25
21k	How to Train	1.67	9.67
21j	Training Management	1.75	22.75
1a	Mission and Role of USA	2	3
20c(3)	PLL	2	3.5
20c(4)	Preventive Maintenance Checks and Services	2	2.75
21c	Geneva Convention	2	1.75
21e	Process Captured Documents and Material	2	1.75
21b	POW Processing	2.3	3.13
11e	Artillery Effects	2.5	2
12f	Visual Aircraft Recognition	2.5	.73
17d	Integrated Intelligence Operations with Tactics	2.5	1.5
20f	POL	2.5	.81
20g	Subsistence	2.5	.81
21a	Combat Vehicle Identification	2.5	6.13
15e	ADM Operations	3	.63
20a(1)(a)	Air Load Planning	3	.25
20a(1)(b)	Land Load Planning	3	.25
20b(2)	Ammo Safety, Storage and Transportation	3	.88
20b(5)	Ammo Emergency Destruction Procedures	3	.75
20b(6)	EOD Operations	3	.5
20a(1)(c)	Sea Load Planning	3.3	.25
20b(4)	Munition Identification	3.3	.5
1c(5)	Protection of Sensors and Deep Attack Systems	3.5	.75
19	NATO Interoperability	3.5	.38
20a(4)	Aviation Logistics	3.5	.5

ANNEX A

APPENDIX 4

REPORTED DATA ON SUBJECTS DELETED FROM ORIGINAL
COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER)
FOR COMBAT SERVICE SUPPORT OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21g	Use of Organic Equipment	1	7.71
20c(4)	Preventive Maintenance Checks and Services	1.43	5.64
21f	Land Navigation	1.43	9.57
21d	Code of Conduct	1.57	1.93
21j	Training Management	1.57	12.14
21k	How to Train	1.57	11
21c	Geneva Convention	1.86	1.93
1a	Mission and Role of USA	2	2.07
20c(3)	PLL	2	6.29
20a(1)(b)	Land Load Planning	2.14	2.33
20g	Subsistence	2.14	3
20f	POL	2.29	2.14
20b(2)	Ammo Safety, Storage and Transportation	2.43	2.07
20d(2)	Estimates	2.43	1.75
21b	POW Processing	2.57	1.29
21e	Process Captured Documents and Material	2.57	1.14
12f	Visual Aircraft Recognition	2.71	1.67
20a(1)(a)	Air Load Planning	2.71	4.17
20a(1)(c)	Sea Load Planning	2.71	1.83
21a	Combat Vehicle Identification	2.71	1.57
11b	Artillery Effects	3	1
19	NATO Interoperability	3	1.57
20b(4)	Munition Identification	3	1.29
20a(4)	Aviation Logistics	3.14	1.42
8f	Covering Force	3.29	.71
17d	Integrated Intelligence Operations with Tactics	3.29	.92
20b(5)	Ammunition Emergency Destruction Procedures	3.29	.93
20b(6)	EOD Operations	3.29	.64
1c(5)	Protection of Sensors & Deep Attack Systems	3.43	.42
15e	ADM Operations	3.71	.17

*ANNEX A

APPENDIX 5 THROUGH 8

PRIORITIZATION OF SUBJECTS DELETED FROM THE

COMBINED ARMS SUBJECT LIST FOR OFFICER ADVANCED COURSES

*Since some of these subjects will be of interest in future training development, in individual programs, data collected during this update is displayed in a format reflecting priority of emphasis as reported.

ANNEX A

APPENDIX 5

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL
COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER)
FOR COMBAT ARMS MANEUVER OAC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21c	Geneva Convention	1	2
21d	Code of Conduct	1	2
21g	Use of Organic Radio Equipment	1	16
1d	Underlying Fundamentals of Modern Combat	1.3	2.3
5c	Meeting Engagement	1.3	5
20c(4)	Preventive Maintenance Checks and Services	1.3	6
21j	Training Management	1.3	21
21k	How to Train	1.3	8.7
6g	C3 Options Once the Battle Begins	1.7	3
7a	Disengagement	1.7	2.8
8f	Covering Force	1.7	18.7
11b	Artillery Effects	1.7	1.7
17d	Integrated Intelligence Operations with Tactics	1.7	2
21f	Land Navigation	1.7	8
1a	Mission and Role of USA	2	1
1c(6)	Extended Battlefield	2	2.3
12f	Visual Aircraft Recognition	2	1.7
20b(2)	Ammo Safety Storage and Transportation	2	1.5
20b(4)	Munition Identification	2	2.8
20c(3)	PLL	2	7
20f	POL	2	2.7
21a	Combat Vehicle Identification	2	2.7
21b	POW Processing	2	1
1c(1)	Enemy AD	2.3	1.7
20a(1)(a)	Air Load Planning	2.3	3.7
20a(1)(b)	Land Load Planning	2.3	1.3
20g	Subsistence	2.3	1.5
19	NATO Interoperability	2.7	3.7
20b(5)	Ammo Emergency Destruction Procedures	2.7	0.8
20d(2)	Manpower Estimates	2.7	1
21e	Process Captured Documents and Material	2.7	1.3
1c(5)	Protection of Sensors and Deep Attack Systems	3	1
15e	ADM Operations	3	0.5
20a(1)(c)	Sea Load Planning	3	0.8
20a(4)	Aviation Logistics	3	7
20b(6)	EOD Operations	3	0.8

ANNEX A

APPENDIX 6

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER) FOR CA NON-MANEUVER OAC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21f	Land Navigation	1	6.33
20c(3)	PLL	1.33	8
20c(4)	Preventive Maintenance Checks and Services	1.33	6
21g	Use of Organic Radio Equipment	1.33	9.2
21j	Training Management	1.33	15.33
21k	How to Train	1.5	7.5
20a(1)(b)	Land Load Planning	1.67	2
1c(1)	Enemy AD	2	1.07
1d	Underlying Fundamentals of Modern Combat	2	7.23
5c	Meeting Engagement	2	2
6g	C^3 Options Once the Battle Begins	2	3
20a(1)(a)	Air Load Planning	2	1.67
20b(4)	Munition Identification	2	1.27
21c	Geneva Convention	2	2.5
1a	Mission and Role of USA	2.33	1.17
1c(6)	Extended Battlefield	2.33	2.23
8f	Covering Force	2.33	2.5
17d	Integrated Intelligence Ops with Tactics	2.33	1.83
19	NATO Interoperability	2.33	3
20b(2)	Ammo Safety, Storage and Transportation	2.33	1.33
20b(6)	EOD Operations	2.33	1.33
21d	Code of Conduct	2.33	.9
21e	Process Captured Documents and Material	2.33	3
7a	Disengagement	2.67	4.8
20a(1)(c)	Sea Load Planning	2.67	.83
20d(2)	Estimates	2.67	1
20f	POL	2.67	2
21a	Combat Vehicle Identification	2.67	1.33
12f	Visual Aircraft Recognition	2.5	.5
1c(5)	Protection of Sensors and Deep Attack Systems	3	1.13
11b	Artillery Effects	3	1.5
15e	ADM Operations	3	.5
20a(4)	Aviation Logistics	3	.7
20g	Subsistence	3	1.33
21b	POW Processing	3	.73

ANNEX A

APPENDIX 7

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER) FOR COMBAT SUPPORT OAC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21g	Use of Organic Radio Equipment	1	27.5
21j	Training Management	1	22.75
21k	How to Train	1	7
1a	Mission and Role of USA	1.25	2.5
21f	Land Navigation	1.25	9.25
1d	Underlying Fundamentals of Modern Combat	1.5	3.3
20c(3)	PLL	1.5	3.5
21d	Code of Conduct	1.5	1.25
1c(6)	Extended Battlefield	1.75	2.5
20c(4)	PMCS	1.75	2.5
21b	POW Processing	1.73	1.75
21c	Geneva Convention	1.75	1.25
21e	Process Captured Documents & Material	1.75	.63
20d(2)	Estimates	2	.75
6g	C3 Options Once the Battle Begins	2.25	1.5
8f	Covering Force	2.25	1.25
12f	Visual Aircraft Recognition	2.25	.75
17d	Integrated Intelligence Operations with Tactics	2.25	2.5
20b(2)	Ammo Safety, Storage and Transportation	2.25	1.25
20f	POL	2.25	.81
20g	Subsistence	2.25	1
21a	Combat Vehicle Identification	2.25	1.25
7a	Disengagement	2.33	.83
5c	Meeting Engagement	2.5	.63
11b	Artillery Effects	2.5	1.75
20a(1)(a)	Air Load Planning	2.5	.88
20a(1)(b)	Land Load Planning	2.5	.63
20b(5)	Ammo Emer Dest Procedures	2.5	1
1c(1)	Enemy AD	2.75	.88
1c(5)	Protection of Sensors and Deep Attack Systems	2.75	.88
15e	ADM Operations	2.75	1.75
19	NATO Interoperability	2.75	1.5
20a(1)(c)	Sea Load Planning	2.75	.75
20b(4)	Munition Identification	2.75	.5
20b(6)	EOD Operations	2.75	.75
20a(4)	Aviation Logistics	3	1

ANNEX A

APPENDIX 8

REPORTED DATA ON SUBJECTS DELETED FROM THE ORIGINAL COMBINED ARMS LIST (ALPHA-NUMERIC DIGIT REFERS TO ORIGINAL LIST PARAGRAPH NUMBER) FOR COMBAT SERVICE SUPPORT OAC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
21g	Use of Organic Radio Equipment	1	6.43
21j	Training Management	1	12.93
21k	How to Train	1	8.07
20c(4)	PMCS	1.14	8.29
21f	Land Navigation	1.29	6.71
20a(1)(b)	Land Load Planning	1.43	3.17
21d	Code of Conduct	1.43	1.43
20c(3)	PLL	1.57	3.86
1a	Mission and Role of USA	1.71	1.43
21a(1)(a)	Air Load Planning	1.71	3
20d(2)	Estimates	1.71	2.33
20g	Subsistence	1.71	3.29
21c	Geneva Convention	1.71	1.57
20a(1)(c)	Sea Load Planning	2	1.83
20b(2)	Ammo Safety, Storage & Transportation	2	2.14
1d	Underlying Fundamentals of Modern Combat	2.14	2.71
20f	POL	2.14	2.36
21b	POW Processing	2.14	1.29
12f	Visual Aircraft Recognition	2.29	1.75
21e	Process Captured Documents & Material	2.29	1.21
1c(6)	Extended Battlefield	2.57	1.58
5c	Meeting Engagement	2.57	1.05
6g	C3 Options Once the Battle Begins	2.57	1.5
21a	Combat Vehicle Identification	2.57	1.29
1c(1)	Enemy AD	2.71	1.08
7a	Disengagement	2.71	1.03
8f	Covering Force	2.71	1.58
11b	Artillery Effects	2.71	.86
17d	Integrated Intelligence Operations with Tactics	2.71	.87
20a(4)	Aviation Logistics	2.71	2.42
20b(4)	Munition Identification	2.71	1.29
19	NATO Interoperability	2.86	1.29
20b(6)	EOD Operations	3	.93
15e	ADM Operations	3.14	.67
20b(5)	Ammo Emer Dest Procedures	3.14	1
1c(5)	Protection of Sensors and Deep Attack Systems	3.29	.42

ANNEX B

COMBINED ARMS SUBJECT LIST

ANNEX B

COMBINED ARMS SUBJECTS LIST

		SUBJECT PROPONENT
1.	DOCTRINAL BASICS	
	A. Principles of War	CGSC
	B. USA AirLand Battle Operational Concept	CGSC
	C. Organization and Preparation for Combat	IN/AR
*	D. USA Organization and Capabilities (BN, BDE, DIV, CORPS)	CGSC
	E. Force Modernization Issues	CGSC
	(1) New Equipment	
	(2) New Organization	
	F. Strategic Deployment	CGSC
2.	COMMAND, CONTROL AND COMMUNICATION (C^3)	
	A. Staff Procedures in Combat	CGSC
	B. Decision Making	CGSC
*	C. Command Post Organization and Functions	CGSC
	D. Plans, Orders, Estimates, Graphics, Records and Reports (to include 5 paragraph Field Order)	CGSC
	E. Command and Control Communications (C^3)	CGSC
	F. Command, Control, and Communications Countermeasures (C^3CM)	CACDA
	G. Airspace Management	CGSC
3.	INTELLIGENCE AND ELECTRONIC WARFARE (IEW)	
	A. Tactical Intelligence	USAICS
	B. Electronic Warfare	USAICS
	(1) Electronic Warfare Support Measures (ESM)	
	(2) Electronic Countermeasures (ECM)	
	C. Intelligence Preparation of the Battlefield	USAICS
	D. Tactical All-Source Intelligence Production	USAICS
	(1) Signals Intelligence	
	(2) Imagery Intelligence	
	(3) Human Intelligence	
	(4) Tactical Counterintelligence	
4.	AIR DEFENSE	
	A. Short Range Air Defense Systems (SHORAD)	AD
	B. Manportable Air Defense Systems	AD
	C. Non-Divisional Air Defense Systems	AD
	D. Unit Active Air Defense Measures	AD
	E. Unit Passive Air Defense Measures	AD
	F. Air Defense Priority Support in the AirLand Battle	AD
	G. Air Defense Land Space Requirements in MBA and CFA and During Offense	AD

5. CLOSE COMBAT

A. Tactical Basics	
(1) Battlefield Movement (Maneuver, Marches, etc)	IN/AR
(2) OPSEC (including SIGSEC and ECCM)	CGSC/USAICS/SC
(3) Passage of Lines	IN/AR
(4) Operations during Obscured Battlefield Conditions (to include Night and Smoke Operations)	IN/AR/FA/CM
(5) Patrolling	IN
(6) Terrain Analysis	USAICS
(A) Planning Considerations	
(B) Terrain Appreciation	
B. Threat	
(1) Missions and roles of Threat Armed Forces	CACDA
(2) Organization and Equipment	CACDA
(3) Offensive Operations	CACDA
(4) Defensive Operations	CACDA
(5) Combat Support	CACDA
(6) Special Operations	CACDA
C. Offensive Operations	
(1) Doctrine and Fundamentals	IN/AR
(A) Area of Influence	
(B) Area of Interest	
(2) Movement to Contact	IN/AR
(3) Hasty Attack	IN/AR
(4) Deliberate Attack	IN/AR
(5) Exploitation	IN/AR
(6) Pursuit	IN/AR
(7) Approach of Encircled Forces	IN/AR
(8) Reconnaissance in Force	IN/AR
(9) Military Operations in Urban Terrain (MOUT)	IN
D. Defensive Operations	
(1) Doctrine and Fundamentals	IN/AR
(A) Covering Force Area	
(B) Main Battle Area	
(C) Rear Area	
(D) Area of Influence and Interest	
(2) Defense in Sector	IN/AR
(3) Defense from Battle Positions	IN/AR
(A) Linear	
(B) Perimeter	
(4) Defense In-Depth	IN/AR
(5) Strong Points	IN/AR
(6) Counterattack	IN/AR
(7) Breakout and Link-up	IN/AR
(8) Employment of Reserves	IN/AR
(9) Military Operations in Urban Terrain (MOUT)	IN
E. Retrograde Operations	IN/AR
(1) Delay	
(2) Withdrawal	
(3) Retirement	

F.	Reconnaissance and Security Operations	AR
(1)	Doctrine and Fundamentals	AR
(2)	Reconnaissance	AR
(3)	Security	AR
(4)	Economy of Force	AR
(5)	Cavalry Operations (Ground)	AR

6. FIRE SUPPORT

A.	Indirect Fire Support	
(1)	Request and Adjust Indirect Fire	FA
(2)	Field Artillery Organization, Command and Control	FA
(3)	Field Artillery Priority Support in the AirLand Battle	FA
(4)	Field Artillery Land Space Requirements in the MBA and CFA and During Offensive	FA
*(5)	Target Value Analysis Procedures	FA
B.	Close Air Support (CAS and BAI)	CGSC
C.	Suppression of Enemy Air Defenses (SEAD)	CGSC
** D.	Nuclear and Chemical Weapons Employment	FA/CM/CGSC
(1)	US National Policy	
(2)	US/NATO Employment Doctrine	
(3)	Threat NBC Policy	
(4)	NBC Weapons Effects on Personnel, Equipment and Mission	
(5)	Sustained Operations in NBC Environment	
(6)	Individual and Unit Protective Measures	
(7)	Self and Unit Member Aid	
(8)	Fallout Prediction and Radiological Monitoring	
(9)	Mass Casualty Treatment	
(10)	NBC Detection, Warning and Reporting	
(11)	Equipment Decontamination, Maintenance and Cannibalization	
(12)	Psychological Preparation for NBC Battlefield Stress	
(13)	Utilization of Unit NBC Personnel	
(14)	OPSEC in NBC Environment	
(15)	Electro-Magnetic Pulse (EMP) Effects	
(16)	Personnel Replacement Procedures	
(17)	Reconstitution of Units	
(18)	Mobility Restrictions in NBC Environment	
(19)	Smoke Operations	
(20)	Plan and Conduct Individual and Collective Training	
(21)	Integrate and Exploit Friendly Nuclear and Retaliatory Chemical Fires (Offense and Defense)	
(22)	Nuclear and Chemical Weapons Effects and Vulnerability Analysis Techniques	
(23)	Train in Obscured Environment	
(24)	Mission Oriented Protective Posture (MOPP)	

7. ENGINEER OPERATIONS (COMBAT SUPPORT)

	A. Mobility	EN
	B. Countermobility	EN
	C. Survivability	EN
	D. General Engineering	EN
*	E. Mine Warfare	EN
*	F. Area Damage Control	EN

8. ARMY AVIATION

	A. Combat Aviation	AV
*	B. Air Cavalry	AV
	C. Combat Support Aviation	AV
	D. Combat Service Support Aviation	AV

*9. COMBAT SERVICE SUPPORT

A. Division Support Command (DISCOM)	LOGCEN
B. Corps Support Command (COSCOM)	LOGCEN
C. Combat Service Support Operations	
(1) Organization for Combat	LOGCEN
(2) Logistics Operations	QM
(A) Supply Classification (Supply)	QM/MM
(B) Resupply and Basic Load Considerations (Ammunition Support Structure and Requisitioning, Ammunition Supply Rates and DAO functions)	QM/MM
(3) Transportation Operations (Convoy Operations, Movement Control)	TC
(4) Field Services Operations	QM
(5) Maintenance Operations (Recovery and Evacuation, Command and Staff Management of Preventive Maintenance, The Army Maintenance Management System (TAMMS))	OD
(6) Personnel and Administration Operations (Accountability, Casualty Reporting, Replacements)	SSC
(7) Medical Services (First Aid, Medical Evacuation)	AHS
D. Combat Service Support Planning/DISCOM Force Development	LOGCEN
(1) Supporting the AirLand Battle	
(A) Organization for Offensive and Defensive Operations	
(B) Out of Sector Support	
(2) Support of MOUT Operations	
E. Mission and Role of Forward Support Battalion (FSB) in Support of Brigade Operations	LOGCEN
F. Reconstitution of Ineffective Units	LOGCEN

10. SPECIAL AND OTHER OPERATIONS

A. Low Intensity Conflict Operations	
(1) Counterinsurgency Operations	IN

	(2) Counterterror Operations	CGSC
	(3) Foreign Internal Defense	IMA
	*(4) Internal Defense and Development	IMA
B.	Special Forces Operations	IMA
C.	Unconventional Warfare Operations	IMA
D.	Psychological Operations	IMA
E.	Civil Affairs Operations	IMA
F.	Amphibious Operations	IN
G.	Airborne Operations	IN
H.	Airmobile Operations	IN/AV
I.	Ranger Operations	IN
J.	Operations in Special Terrain	
	(1) Desert	IN/AR
	(2) Jungle	IN
	(3) Mountain	IN
	(4) Northern Regions (Cold Weather)	IN
	(5) Military Operations in Urban Terrain (MOUT)	IN
K.	River Crossing Operations	IN/AR/EN
L.	Tactical Deception Operations	CGSC
* M.	Rear Area Protection	CGSC/MP
	(1) Doctrine and Fundamentals	
	(2) Rear Area Combat Operations for Level I, II, and III Threat	
	(A) Organization for Combat	
	(B) Perimeter Defense	
	(C) Active and Passive Security	
	(D) Weapons Employment	
	(E) Physical Layout of Rear Area	
	(3) Movement Control	
	(4) Area Damage Control	
	(5) Fire Support	
11.	LEADERSHIP	CGSC
*12.	MILITARY POLICE OPERATIONS	MP
	(A) Combat Role	
	(B) Movement Control	
	(C) Security	

NOTES:

* New subjects not included in the CASS update survey. Therefore no sufficiency data is available, however, further updates will include them.

** Subjects listed under Nuclear and Chemical Weapons Employment have been extracted from the task list in the Nuclear and Chemical Action Plan (NUCAP). Since the CASS update survey did not include these tasks, no sufficiency data was collected on them, however, future updates will include these NUCAP tasks. At Appendix 1 through 4 of Annex H are the compilation of data actually collected on nuclear and chemical subjects from the initial CASS list. This information is provided for use in developing individual nuclear and chemical portions of school's Combined Arms training programs.

*ANNEX C

RECOMMENDED SUFFICIENCY LEVELS FOR SUBJECTS

ADDED TO THE COMBINED ARMS SUBJECT LIST

*These subjects have been added to the Combined Arms Subject List to reflect AirLand Battle Doctrine (see paragraph 10 of text).

ANNEX C

SUBJECTS ADDED TO THE COMBINED ARMS SUBJECT LIST

	SUBJECT	CAC RECOMMENDED MINIMUM SUFFICIENCY LEVEL OBC	OAC
1d	USA Organization and Capabilities (Bn, Bde, Div, Corps)	2	2
2c	Command Post Function and Organization	3	2
5a(6)	Terrain Analysis	2	2
5d(8)	Employment of Reserves	3	3
6a(5)	Target Value Analysis Procedures	4	3
6d	Nuclear and Chemical Weapons Employment (NUCAP)	3	3
7e	Mine Warfare	3	3
7f	Area Damage Control	4	3
8b	Air Cavalry	3	3
9a	Division Support Command (DISCOM)	3	3
9b	Corps Support Command (COSCOM)	3	3
9c(1)	CSS Organization for Combat	3	3
9d	Combat Service Support Planning/ DISCOM Force Development	3	3
9e	Mission and Role of Forward Support Battalion (FSB) in Support of Brigade Operations	3	3
10a(4)	Internal Defense and Development	3	3
10m	Rear Area Protection	3	3
12	Military Police Operations	3	3

ANNEX D

CONSOLIDATED CASS SURVEY DATA FOR COMBAT ARMS (MANEUVER AND NON-MANEUVER) SCHOOLS

LEGEND

1) SL - Sufficiency Level

a) SL 1 - Fully Proficient

b) SL 2 - Working Knowledge

c) SL 3 - Familiarity

d) SL 4 - No Training Required

2) HR(S) - Hours Required to Attain Sufficiency Level

3) HR(P) - Hours Entirely Devoted to the Subject

4) HR(I) - Hours Subject is Integrated Into Other Subject Areas

COMBINED ARMS SUFFICIENCY STUDY UPDATE

COMBAT ARMS SERVICE SCHOOLS

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
1. Doctrinal Basics														
A. Principles of War	CGSC	LT	SL	1	LT SL	3	2	3	2.7	3	2	2	2.3	2.5
			HR(S)	2	HR(S)	1	2	4	2.3	0.5	2	1	1.2	1.8
					HR(P)	0	1	0	0.3	0	0	0	0	0.2
					HR(I)	0	1	0		1	1	0		
		CPT	SL	1	CPT SL	1	1	3	1.7	2	2	2	2	1.8
			HR(S)	2	HR(S)	4	1	1	2	0.5	3	1	1.5	1.8
					HR(P)	2	1	0	1	0.5	3	0	1.2	1.1
					HR(I)	2	0	0.5		5	2	0.25		
B. USA AirLand Battle Operational Concept	CGSC	LT	SL	1	LT SL	3	2	2	2.3	3	2	2	2.3	2.3
			HR(S)	8	HR(S)	1	2	5	2.7	1.7	7	3	3.9	3.3
					HR(P)	0	1	0	0.3	4	5	0	3	1.7
					HR(I)	0	2.5	0		26.2	2	2.5		
		CPT	SL	1	CPT SL	1	1	2	1.3	3	1	2	2	1.7
			HR(S)	8	HR(S)	7	2	2	3.7	3.4	21	4	9.5	6.6
					HR(P)	2.5	1	0	1.2	2	6	0	2.7	1.9
					HR(I)	3	0	0.5		10	15	3.5		
C. Organization/Preparation For Combat	IN/AR	LT	SL	2/2	LT SL	2	2	2	2	3	2	2	2.3	2.2
			HR(S)	4/24	HR(S)	4	24	8	12	1	8	2	3.7	7.8
					HR(P)	0	8	12	6.7	9	4	2	5	5.8
					HR(I)	bbb	22	3		5.5	2	0.25		
		CPT	SL	1/1	CPT SL	1	1	2	1.3	1	1	2	1.3	1.3
			HR(S)	12/30	HR(S)	12	30	66	36	34	40	2	25.3	30.7
					HR(P)	6	2	1	3	14.5	0	2	5.5	4.3
					HR(I)	6	4.5	0		65.2	40	0.5		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
D. Force Modernization	CGSC	LT	SL	2	LT SL	4	3	3	3.3	4	3	3	3.3	3.3
			HR(S)	4	HR(S)	0	4	4	2.7	0	2	3	1.7	2.2
					HR(P)	0	4	0	1.3	0	0	0	0	0.7
					HR(I)	0	0	0		0.2	0	0		
		CPT	SL	1	CPT SL	4	3	3	3.3	3	3	2	2.7	3
			HR(S)	4	HR(S)	0	3	4	2.3	1	5	4	3.3	2.8
					HR(P)	0	3	0	1	0	1	0	0.3	0.7
					HR(I)	0	0.2	.5		1	4	0		
E. Strategic Deployment	CGSC	LT	SL	2	LT SL	4	4	3	3.7	4	4	3	3.7	3.7
			HR(S)	17	HR(S)	0	0	1	0.3	0	0	1	0.3	0.3
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
		CPT	SL	1	CPT SL	3	2	3	2.7	3	3	3	3	2.8
			HR(S)	60	HR(S)	1	1	1	1	0.5	3	1	1.5	1.3
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
2. Command, Control and Communications (C3)														
A. Staff Procedures in Combat	CGSC	LT	SL	2	LT SL	3	3	2	2.7	3	2	2	2.3	2.5
			HR(S)	10	HR(S)	3	8	5	5.3	1.5	4	2	2.5	3.9
					HR(P)	2	3	0	1.7	0	2	0	0.7	1.2
					HR(I)	0	5	1.5		2	0	0		
		CPT	SL	1	CPT SL	2	2	2	2	2	2	2	2	2
			HR(S)	15	HR(S)	14	6	7	9	59	2	6	22.3	15.7
					HR(P)	11	4	12	9	9.5	0	2	3.8	6.4
					HR(I)	2	3.2	3		21.5	0	3		
B. Decisionmaking	CGSC	LT	SL	2	LT SL	2	2	3	2.3	3	2	2	2.3	2.3
			HR(S)	12	HR(S)	6	4	4	4.7	1.5	4	2	2.5	3.6
					HR(P)	0.5	4	0	1.5	1	0	0	0.3	0.9
					HR(I)	0	8	1		1	0	0		
		CPT	SL	1	CPT SL	1	1	3	1.7	1	1	2	1.3	1.5
			HR(S)	8	HR(S)	12	3	2	5.7	59	12	2	24.3	15
					HR(P)	5	3	0	2.7	6.5	2	0	2.8	2.8
					HR(I)	10	3.9	1		30.5	10	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
C. Plans, Orders, Estimates, Graphics Records, Reports	CGSC	LT	SL	2	2	2	2	2	2	2	2	2	2
			HR(S)	12	10	20	10	13.3	1.5	5	10	5.5	9.4
			HR(P)		3	5	0	2.7	2	3	16	7	4.8
			HR(I)		0	15	2.5		4	2	3		
		CPT	SL	1	1	1	2	1.3	2	1	2	1.7	1.5
			HR(S)	12	26	16	4	15.3	59	53	10	40.7	26
			HR(P)		10	16.7	2	9.4	3.6	18	3.5	8.3	8.9
			HR(I)		16	23.9	0		28.5	35	4		
D. Command, Control, and Communications	CGSC	LT	SL	2	2	2	3	2.3	1	2	3	2	2.2
			HR(S)	6	10	4	3	5.7	2	6	4	4	4.8
			HR(P)		0	5	0	1.7	1	0	1	0.7	1.2
			HR(I)		0	20	1		9	1	0		
		CPT	SL	1	2	2	3	2.3	1	2	3	2	2.2
			HR(S)	12	12	10	1	7.7	59	5	6	23.3	15.5
			HR(P)		3	4	2	3	10.5	0	3	4.5	3.8
			HR(I)		8	2	0		40.5	5	0		
E. Command, Control, Communications Countermeasures (C3CM)	CGSC	LT	SL	2	4	4	1	3	2	3	3	2.7	2.8
			HR(S)	9	0	0	20	6.7	10	2	3	5	5.8
			HR(P)		0	0	11	3.7	0	0	0	0	1.8
			HR(I)		0	0	0		0	0	0		
		CPT	SL	1	4	4	2	3.3	2	2	2	2	2.7
			HR(S)	40	0	0	10	3.3	10	4	4	6	4.7
			HR(P)		0	0	0	0	0	0	0	0	0
			HR(I)		0	0	18		0	0	0		
F. Airspace Management	CGSC	LT	SL	2	4	4	3	3.7	1	3	4	2.7	3.2
			HR(S)	4	0	0	4	1.3	0.1	11	0	3.7	2.5
			HR(P)		0.2	0	0	0.1	0.5	2.5	0	1	0.5
			HR(I)		0	0	1		1	8	0		
		CPT	SL	2	3	2	3	2.7	1	2	4	2.3	2.5
			HR(S)	4	1	2	1	1.3	4.2	14	0	6.1	3.7
			HR(P)		1	0.2	0	0.4	0	4	0	1.3	0.9
			HR(I)		0.3	0.5	0		1.7	10	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
3. Intelligence and Electronic Warfare													
A. Tactical Intelligence	MI	LT SL	3	LT SL	2	2	2	2	3	2	3	2.7	2.3
		HR(S)	5	HR(S)	6	2	2	3.3	1.7	2	1	1.6	2.5
				HR(P)	0	2	0	0.7	4.5	0.5	1	2	1.3
				HR(I)	0	1	1.5		1	0.5	0		
		CPT SL	2	CPT SL	2	2	2	2	1	2	3	2	2
		HR(S)	8	HR(S)	20	2	2	8	17	6	1	8	8
				HR(P)	0	9.5	0	3.2	13.3	0	0.5	4.6	3.9
				HR(I)	19	1	0.5		6.2	6	0		
B. Electronic Warfare													
(1) Electronic Warfare Support Measures (ESM)	MI	LT SL	3	LT SL	3	2	3	2.7	2	2	4	2.7	2.7
		HR(S)	2	HR(S)	1	1	1	1	0.9	2	0	0.9	1
				HR(P)	1	1	0.5	0.8	0	0	0	0	0.4
				HR(I)	1	0	0.3		0	0	0		
		CPT SL	2	CPT SL	3	1	3	2.3	2	2	3	2.3	2.3
		HR(S)	5	HR(S)	1	2	1	1.3	0.4	7	1	2.8	2.1
				HR(P)	2	0.24	0	0.7	1	7	0	2.7	1.7
				HR(I)	2	0	2		0	0	0		
(2) Electronic Countermeasures (ECM)	MI	LT SL	3	LT SL	2	2	3	2.3	2	2	3	2.3	2.3
		HR(S)	3	HR(S)	1	5	1	2.3	0.9	1	1	1	1.7
				HR(P)	1	5	0.5	2.2	0	0	0	0	1.1
				HR(I)	1	0	0.3		0.2	0	0		
		CPT SL	2	CPT SL	2	1	3	2	2	2	3	2.3	2.2
		HR(S)	5	HR(S)	1	2	0	1	2.9	2	1	2	1.5
				HR(P)	1	0.24	0	0.4	0.4	3	0	1.1	0.8
				HR(I)	1	0	2		2.3	0	0		
C. Intelligence Preparation Of The Battlefield (IPB)	MI	LT SL	3	LT SL	2	3	3	2.7	3	3	3	3	2.8
		HR(S)	1	HR(S)	1	0.5	1	0.8	1	2	1	1.3	1.1
				HR(P)	0	0.5	0.3	0.3	0	0	0	0	0.1
				HR(I)	0	0	0		0.3	0	0.5		
		CPT SL	2	CPT SL	2	2	3	2.3	3	2	3	2.7	2.5
		HR(S)	8	HR(S)	8	1	2	3.7	3	8	2	4.3	4
				HR(P)	0	0.5	0	0.2	1	2	0	1	0.6
				H(I)	4.2	0	0		0	6	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required					CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
D. Tactical All-Source Intelligence Production	MI	LT	SL	4	LT	SL	3	3	3	3	4	4	3	3.7	3.3
			HR(S)	0		HR(S)	1	0	1	0.7	0	0	1	0.3	0.5
						HR(P)	0	0	0.2	0.1	0	0	0	0	0
						HR(I)	0	0	0		0	0	0.25		
		CPT	SL	4	CPT	SL	2	2	3	2.3	3	2	3	2.7	2.5
			HR(S)	0		HR(S)	6	1	2	3	3	6	2	3.7	3.3
						HR(P)	0	0	0	0	0.2	0	0	0.1	0
						HR(I)	4	0	0		0	2.25	0		
(1) Signals Intelligence (SIGINT)	MI	LT	SL	3	LT	SL	4	4	3	3.7	3	3	3	3	3.3
			HR(S)	2		HR(S)	0	0	1	0.5	2	1	1	1.3	0.8
						HR(P)	1	0	0	0	0	0	0	0	0.2
						HR(I)	bbb	0	0		0	0	0		
		CPT	SL	3	CPT	SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	2		HR(S)	1	1	1	1	2	7	1	3.3	2.2
						HR(P)	0	0.13	0	0	6	2	0.25	2.8	1.4
						HR(I)	0.5	0	1		0	0	0		
(2) Imagery Intelligence (IMINT)	MI	LT	SL	4	LT	SL	3	3	3	3	3	3	3	3	3
			HR(S)	0		HR(S)	1	0.5	1	0.8	0.5	1	1	0.8	0.8
						HR(P)	0	0	0	0	0.1	0	0	0	0
						HR(I)	0	0	0		0	0	0		
		CPT	SL	3	CPT	SL	3	3	3	3	3	3	3	3	3
			HR(S)	1		HR(S)	1	1	1	1	1	1	1	1	1
						HR(P)	0	0.13	0	0	6	1	0.25	2.4	1.2
						HR(I)	1	0	0		0	0	0		
(3) Human Intelligence (HUMINT)	MI	LT	SL	3	LT	SL	2	3	3	2.7	3	3	3	3	2.8
			HR(S)	1		HR(S)	1	0.5	1	0.8	0.5	2	1	1.2	1
						HR(P)	0	0	0	0	0	0	1	0.3	0.2
						HR(I)	0.5	0	0		0.2	0	0		
		CPT	SL	3	CPT	SL	2	3	3	2.7	3	2	3	2.7	2.7
			HR(S)	1		HR(S)	1	1	1	1	2	1	1	1.3	1.2
						HR(P)	0	0.13	0	0	0.3	0.5	0.25	0.4	0.2
						HR(I)	1	0	1		0.4	0	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(4) Counterintelligence (CI) MI		LT SL	3	3	2	3	2.7	3	3	3	3	2.8
		HR(S)	1	1	1	1	1	1	1	1	1	1
		HR(P)		0	1	0	0.3	0	0	0	0	0.2
		HR(I)		0	0	0		0	0	0		
		CPT SL	3	3	3	3	3	3	3	3	3	3
		HR(S)	1	1	1	1	1	1	1	1	1	1
		HR(P)		0	0.13	0	0	0.2	0	0	0.1	0.1
		HR(I)		1	0	1		0	0	0		
4. Air Defense												
A. Short Range AD System (SHORAD)	AD	LT SL	2	3	3	3	3	3	1	3	2.7b	2.8b
		HR(S)	4	1	2	1	1.3	0.5	25	1	1.8	1.6
		HR(P)		0.2	1	1	1	0.7	4	0	1.5	1.1
		HR(I)		0	0	0		0	0	0		
		CPT SL	2	2	2	3	2.3	3	1	3	2.7b	2.5b
		HR(S)	4	2	1	1	1.3	h	31	1	2.5	1.8
		HR(P)		0	0.5	0	0.2	1	27	0.25	1.8	0.9
		HR(I)		0.5	2.1	1.5		0	4	0		
B. Manportable AD Systems	AD	LT SL	2	3	3	3	3	3	1	3	2.7b	2.8b
		HR(S)	2	1	1	1	1	0.5	7	1	1.2	1.1
		HR(P)		0.2	0	0.2	0.1	0.3	7	0	0.8	0.5
		HR(I)		0	0	0		0	0	0		
		CPT SL	2	2	2	3	2.3	3	1	3	2.7b	2.5
		HR(S)	2	1	1	1	1	h	3	1	1.5	1.2
		HR(P)		0	1	0	0.3	0.6	3	0.25	0.9	0.8
		HR(I)		0	1.5	0.5		0	0	0		
C. Non-Divisional AD Systems	AD	LT SL	3	3	3	3	3	3	1	3	3b	3b
		HR(S)	1	1	0.5	1	0.8	0.5	28	1	0.8	0.8
		HR(P)		0	0	0	0	0.2	8	0	0.4	0.2
		HR(I)		0	0	0		0	7	0		
		CPT SL	3	3	3	3	3	3	1	3	3b	3b
		HR(S)	1	1	0.5	1	0.8	h	74	1	1	0.9
		HR(P)		0	0.5	0	0.2	0.5	46	0.25	0.6	0.4
		HR(I)		0	0	0		0	28	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	CA-Maneuver AR	CA-Maneuver AVa	CAM Mean	CA Non Maneuver FA	CA Non Maneuver AD	CA Non Maneuver EN	CANM MEAN	Combat Arms Mean
D. Unit Active AD Measures	AD	LT SL 2	LT SL 2	2	3	2.3	3	1	2	2.3b	2.3b
		HR(S) 2	HR(S) 4	1	1	2	0.2	2	1	1.1	1.5
			HR(P) 1.2	0	0.6	0.6	0	1	0	0.3	0.5
			HR(I) bbb	2	0		0.2	0.25	0		
		CPT SL 1	CPT SL 2	2	2	2	3	1	2	2.5c	2
		HR(S) 2	HR(S) 1	1	1	1	h	2	1	1.5	1.2
			HR(P) 0	0.5	0	0.2	0.2	1	0	0.1	0.3
			HR(I) 1	0	0		2	0.25	0		
E. Unit Passive AD Measures	AD	LT SL 2	LT SL 2	2	3	2.3	3	1	2	2.3b	2.3b
		HR(S) 4	HR(S) 1	0.5	1	0.8	0.2	4	1	1.7	1.3
			HR(P) 0.2	0	0.2	0.1	0	0	0	0	0.1
			HR(I) bbb	1	0		0.2	0.25	0		
		CPT SL 1	CPT SL 2	2	2	2	3	1	2	2	2
		HR(S) 4	HR(S) 1	0.5	1	0.8	h	4	1	2.5	1.5
			HR(P) 0	0.5	0	0.2	0.2	0	0	0.1	0.1
			HR(I) 1	0	0		3	0.25	0		
F. AD Priority Support In AirLand Battle	AD	LT SL 2	LT SL 4	4	3	3.7	3	2	3	2.7	3.2
		HR(S) 3	HR(S) 0	0	1	0.3	0.1	2	1	1	0.7
			HR(P) 0	0	0	0	0	0	0	0	0
			HR(I) 0	0	0		0	1.5	0		
		CPT SL 1	CPT SL 3	2	3	2.7	3	1	3	2.3	2.5
		HR(S) 6	HR(S) 1	2	0.5	1.2	h	4	1	2.5	1.7
			HR(P) 0	0.5	0	0.2	0	0	0	0	0.1
			HR(I) 0.2	1.5	0		0	2	0		
G. AD Land Space Requirements In MBA and CFA	AD	LT SL 2	LT SL 4	4	3	3.7	3	2	3	2.7b	3.2b
		HR(S) 1	HR(S) 0	0	0.5	0.2	1	1	2	1.3	0.8
			HR(P) 0	0	0	0	0	0	0	0	0
			HR(I) 0	0	0		0	0.5	0.5		
		CPT SL 1	CPT SL 3	2	3	2.7	3	1	3	2.3b	2.5
		HR(S) 2	HR(S) 1	1	0.5	0.8	2	2	2	2	1.4
			HR(P) ccc	0.5	0	0.3	0	0	0	0	0.1
			HR(I) ccc	0.6	0		0	1	1		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	CA-Maneuver AR	CA-Maneuver AVn	CAM Mean	CA Non Maneuver FA	CA Non Maneuver AD	CA Non Maneuver EN	CANM MEAN	Combat Arms Mean
5. Close Combat													
A. Tactical Basics													
(1) Battlefield Movement	IN/AR	LT SL 1/2	LT SL		1	2	3	2	2	2	2	2	2
		HR(S) 40/8	HR(S)		10	8	12	10	0.9	5.5	6	4.1	7.1
			HR(P)		0	10	0	3.3	2	3.5	0	1.8	2.6
			HR(I)		bbb	12	0.5		14	2	0		
		CPT SL 1/1	CPT SL		1	1	2	1.3	2	1	2	1.7	1.5
		HR(S) 20/10	HR(S)		15	10	12	12.3	4	14	12	10	11.2
			HR(P)		5	8	0	4.3	3.5	2	7	4.2	4.1
			HR(I)		9	4.8	0		22.3	12	0		
(2) Operations Security	CGSC	LT SL 1	LT SL		2	2	2	2	2	2	3	2.3	2.2
		HR(S) 4	HR(S)		3	4	2	3	0.9	2	1	1.3	2.2
			HR(P)		0	3	0	1.5	0.5	0	1	0.5	0.8
			HR(I)		0	1	2		1.5	1	0		
		CPT SL 1	CPT SL		2	1	2	1.7	2	2	3	2.3	2
		HR(S) 4	HR(S)		8	6	2	5.3	2	4	1	2.3	3.8
			HR(P)		0	0	0	0	1.2	0	0	0.4	0.2
			HR(I)		0.5	0.5	0.5		3.6	4	0	0.4	0.2
(3) Signal Security (SIGSEC)	MI/SC	LT SL 2	LT SL		1	2	3	2	2	2	3	2.3	2.2
		HR(S) 5	HR(S)		6	6	2	4.7	0.9	4	2	2.3	3.5
			HR(P)		2	6	0.5	2.8	0.9	0	0	0.3	1.6
			HR(I)		2	0	1		0	0	0		
		CPT SL 2	CPT SL		1	1	3	1.7	2	1	3	2	1.8
		HR(S) 5	HR(S)		4	3	3	3.3	3.4	4	2	3.1	3.2
			HR(P)		2	2	0	1.3	0.9	4	0	1.6	1.5
			HR(I)		2	0	1		1	0	0		
(4) Passage of Lines	IN/AR	LT SL 2/2	LT SL		2	2	3	2.3	3	3	3	3	2.7
		HR(S) 2/8	HR(S)		2	8	1	3.7	1	1	1	1	2.3
			HR(P)		2	1	0	1	0	0	0	0	0.5
			HR(I)		bbb	7	0.7		1	0.5	0		
		CPT SL 2/1	CPT SL		1	1	3	1.7	1	2	3	2	1.8
		HR(S) 2/8	HR(S)		4	8	1	4.3	1.5	4	1	2.2	3.3
			HR(P)		1	2	0	1	0.6	0	0	0.2	0.6
			HR(I)		3	3.5	0.5		8.6	4	0.5		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(5) Operations During Limited Visibility and Night Operations	IN/AR	LT SL 2/2	LT	SL	2	2	3	2.3	2	2	2	2	2.2
		HR(S) 80/24		HR(S)	80	24	1	35	0.5	2	24	8.8	21.9
				HR(P)	0	21	16	12.3	0.5	0	0	0.2	6.3
				HR(I)	bbb	3	6		1	0.5	0		
		CPT SL 1/1	CPT	SL	1	1	3	1.7	2	2	2	2	1.8
		HR(S) 40/8		HR(S)	20	8	2	10	0.4	5	6	3.8	6.9
				HR(P)	8	1	0	3	1	1	0	0.7	1.8
				HR(I)	6	1.5	0.5		1.7	4	0		
(6) Smoke Operations	FA/CM	LT SL 2	LT	SL	3	3	3	3	1	2	2	2[b]	2.5[b]
		HR(S) 4		HR(S)	1	1	1	1	1.5	1	1	1.2	1.1
				HR(P)	0.5	0	1.5	0.7	0	0	0	0	0.3
				HR(I)	0	1	0.5		6.5	0	0		
		CPT SL 2	CPT	SL	1	2	2	1.7	2	2	2	2	1.8
		HR(S) 6		HR(S)	4	2	2	2.7	1	1	2	1.3	1.2
				HR(P)	2.8	0	0	0.9	1.7	0	1	0.9	0.9
				HR(I)	6	0.7	0		3.5	2	1.5		
(7) Patrolling	IN	LT SL 1	LT	SL	1	3	4	2.7	3	2	3	2.7	2.7
		HR(S) 75		HR(S)	75	3	0	26	0.2	2	8	3.4	14.7
				HR(P)	15	3	0	6	0.2	0	2	0.7	3.4
				HR(I)	bbb	0	0.2		0.5	0	0		
		CPT SL 1	CPT	SL	1	2	4	2.3	2	3	3	2.7	2.5
		HR(S) 6		HR(S)	6	2	0	2.7	0.1	2	2	1.4	2
				HR(P)	2	0	0	0.7	0	0	0	0	0.3
				HR(I)	4	0	0		0	2	0		
B. Threat													
(1) Mission and Role of Threat Armed Forces	CACDA	LT SL 2	LT	SL	3	2	3	2.7	1	2	3	2	2.3
		HR(S) 0.5		HR(S)	1	1	1	1	8	4	1	4.3	2.7
				HR(P)	1	1	1	1	1	1.25	0.5	0.9	1
				HR(I)	ddd	0	0		0.5	2	0		
		CPT SL 1	CPT	SL	3	1	3	2.3	1	2	3	2	2.2
		HR(S) 1		HR(S)	2	1	2	1.7	16	5	2	7.7	4.7
				HR(P)	2	0.3	0	0.8	0.3	0	0.5	0.3	0.5
				HR(I)	0	0	0.5		1	5	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(2) Organization/Equipment	CACDA	LT SL 1	LT SL	3	2	3	2.7	1	2	3	2	2.3
		HR(S) 2	HR(S)	1	4	6	3.7	8	3	2	4.3	4
			HR(P)	1	0.5	3.2	1.6	6.8	1	1	2.9	2.3
			HR(I)	ddd	3.5	3		3	2	0.25		
		CPT SL 1	CPT SL	3	1	3	2.3	1	2	3	2	2.2
		HR(S) 3	HR(S)	5	4	2	3.7	16	9	2	9	6.3
			HR(P)	4	4	0	2.7	4.2	4	2	3.4	3
			HR(I)	1	4.3	0.5		3	5	0.25		
(3) Offensive Operations	CACDA	LT SL 1	LT SL	2	2	2	2	1	2	2	1.7	1.8
		HR(S) 2	HR(S)	0.5	2	2	1.5	8	2	2	4	2.8
			HR(P)	1	1	1.5	1.2	1.3	0.5	1	0.9	1.1
			HR(I)	ddd	1	6.2		5.4	2	0		
		CPT SL 1	CPT SL	1	1	2	1.3	1	2	2	1.7	1.5
		HR(S) 4	HR(S)	10	2	5	5.7	16	6	2	8	6.8
			HR(P)	10	3	0	4.3	1	2	2	1.7	3
			HR(I)	0	1.6	0.5		7	5	0		
(4) Defensive Operations	CACDA	LT SL 2	LT SL	2	2	2	2	1	2	2	1.7	1.8
		HR(S) 0.5	HR(S)	0.5	2	2	1.5	8	2	2	4	2.8
			HR(P)	1	1	0.5	0.8	5.5	0.5	1	2.3	1.6
			HR(I)	ddd	1	6		2	2	0		
		CPT SL 1	CPT SL	1	1	2	1.3	1	2	2	1.7	1.5
		HR(S) 1	HR(S)	5	2	5	4	16	6	2	8	6
			HR(P)	5.5	2	0	2.5	1	1	2	1.3	1.9
			HR(I)	0	4.7	0.5		2.5	5	0		
(5) Combat Support	CACDA	LT SL 2	LT SL	3	2	3	2.7	1	2	3	2	2.3
		HR(S) 1	HR(S)	1	10	2	4.3	8	2	1	3.7	4
			HR(P)	2	0	6	2.7	1.5	0	0	0.5	1.6
			HR(I)	1	0	1		1	0	0		
		CPT SL 1	CPT SL	3	1	3	2.3	1	2	3	2	2.2
		HR(S) 2	HR(S)	8	24	1	11	16	8	2	8.7	9.8
			HR(P)	4	1.8	0	1.9	0.5	6	0	2.2	2.1
			HR(I)	4	0.3	0.5		1	2	0		
(6) Special Operations	CACDA	LT SL 2	LT SL	3	2	3	2.7	1	3	3	2.3	2.5
		HR(S) 1	HR(S)	1	2	1	1.3	8	2	1	3.7	2.5
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	1		2	2	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
		CPT SL 1	CPT SL	3	2	3	2.7	1	2	3	2	2.3
		HR(S) 2	HR(S)	4	2	1	2.3	16	4	2	7.3	4.8
			HR(P)	0	2	0	0.7	0	0	0	0	0.3
			HR(I)	4	0.5	0		0	4	0		
C. Offensive Operations												
(1) Doctrine (Concepts) and Fundamentals	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	2	2	1.7	1.8
		HR(S) 12/10	HR(S)	12	10	2	8	c	1	2	1.5	5.4
			HR(P)	4	10	0.6	4.8	12	0	0	4	4.4
			HR(I)	0	0	2		4	0.3	0		
		CPT SL 1/1	CPT SL	1	1	2	1.3	1	2	2	1.7	1.6
		HR(S) 8/6	HR(S)	8	6	1	5	d	4	4	4	4.6
			HR(P)	4	4	0	2.7	10.1	1	3	4.7	3.7
			HR(I)	2	1.8	0.2		19.2	3	2		
(2) Movement to Contact	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 12/10	HR(S)	12	10	2	8	c	1	1	1	5.2
			HR(P)	0	2	0.2	0.7	0	0	0	0	0.4
			HR(I)	bbb	8	1		1.7	0.3	0		
		CPT SL 1/1	CPT SL	1	1	2	1.3	1	2	3	2	1.7
		HR(S) 22/4	HR(S)	12	4	1	5.7	d	3	2	2.5	4.4
			HR(P)	5	0	0	1.7	0.3	1	3	1.4	1.6
			HR(I)	4	4	0.5		6	2	7		
(3) Hasty Attack	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 12/10	HR(S)	12	10	2	8	c	1	1	1	5.2
			HR(P)	0	10	0.2	3.4	1	0	0	0	1.9
			HR(I)	bbb	0	1		2	0.3	0		
		CPT SL 1/1	CPT SL	1	1	2	1.3	1	2	3	2	1.7
		HR(S) 6/12	HR(S)	6	12	1	6.3	d	2	2	2	4.6
			HR(P)	0	0	0	0	0.5	1	2	1.2	0.6
			HR(I)	7	4	0.5		5	1	2		
(4) Deliberate Attack	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 12/10	HR(S)	12	10	2	8	c	1	1	1	5.2
			HR(P)	0	10	0.2	3.4	0	0	1	0.3	1.9
			HR(I)	bbb	0	1		1.5	0.3	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
		CPT SL 1/1	CPT SL	1	1	2	1.3	1	2	3	2	1.7
		HR(S) 20/56	HR(S)	20	56	1	25.7	d	5	3	4	17
			HR(P)	12	5	0	5.7	0.6	1	4	1.9	3.8
			HR(I)	3	2	0.5		17	4	8		
(5) Exploitation	IN/AR	LT SL 4/4	LT SL	4	4	3	3.7	1	3	3	2.3	3
		HR(S) 0/0	HR(S)	0	0	2	0.7	c	1	1	1	0.8
			HR(P)	0	0	0.2	0.1	0	0	0	0	0
			HR(I)	0	0	1		0.5	0.3	0		
		CPT SL 3/2	CPT SL	3	2	2	2.3	1	2	3	2	2.2
		HR(S) 1/2	HR(S)	1	2	1	1.3	d	3	1	2	1.6
			HR(P)	0.2	0	0	0.1	0.3	1	0	0.4	0.3
			HR(I)	0	4	0.5		1.3	1.5	0.25		
(6) Pursuit	IN/AR	LT SL 4/4	LT SL	4	4	3	3.7	1	3	3	2.3	3
		HR(S) 0/0	HR(S)	0	0	2	0.7	c	1	1	1	0.7
			HR(P)	0	0	0.2	0.1	0	0	0	0	0
			HR(I)	0	0	1		0.5	0.3	0		
		CPT SL 3/2	CPT SL	3	2	2	2.3	1	2	3	2	2.2
		HR(S) 1/2	HR(S)	1	2	1	1.3	d	3	1	2	1.6
			HR(P)	0.2	0	0	0.1	0.3	1	0	0.4	0.3
			HR(I)	0	2	0.5		2	1.5	0.25		
(7) Approach (Relief) of Encircled Forces	IN/AR	LT SL 4/4	LT SL	4	4	3	3.7	1	3	3	2.3	3
		HR(S) 0/0	HR(S)	0	0	2	0.7	c	1	1	1	0.7
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	0		0	0	0		
		CPT SL 3/2	CPT SL	3	2	2	2.3	1	2	3	2	2.2
		HR(S) 3/4	HR(S)	3	2	2	2.3	d	1	1	1	1.8
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	2	0.2		1	1	0		
(8) Reconnaissance in Force	IN/AR	LT SL 4/4	LT SL	4	4	3	3.7	1	3	3	2.3	3
		HR(S) 0/0	HR(S)	0	0	2	0.7	c	1	1	1	0.7
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	0.2		0.2	0	0		
		CPT SL 3/2	CPT SL	2	1	2	1.7	1	2	3	2	1.8
		HR(S) 2/2	HR(S)	2	7	2	3.7	d	2	1	1.5	2.8
			HR(P)	0.1	5	0	1.7	0	0	0	0	0.9
			HR(I)	0	2	0.2		0	1	1		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
D. Defensive Operations												
(1) Doctrine (Concepts) and Fundamentals												
(a) Covering Force Area	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 1/4	HR(S)	1	4	2	2.3	e	2	1	1.5	2.2
			HR(P)	0	1	0.2	0.4	8	0	0.5	2.8	1.6
			HR(I)	0	3	2		2.2	0.5	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	2	2	2.7	1.7
		HR(S) 2/3	HR(S)	2	3	1	2	f	6	5	5.5	3.4
			HR(P)	1	1	0	0.7	9	2	1.5	4.2	2.4
			HR(I)	1	0	0.3		20.4	4	0		
(b) Main Battle Area	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 1/4	HR(S)	1	4	2	2.3	e	2	2	2	2.2
			HR(P)	0	1	0.2	0.4	0	0	0.5	0.2	0.3
			HR(I)	0	3	2		9.2	1	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	1	2	1.3	1.5
		HR(S) 2/2	HR(S)	2	2	1	1.7	f	20	5	12.5	6
			HR(P)	1	6	0	2.3	1.5	10	2.5	4.7	3.5
			HR(I)	2	4	0.6		20.1	10	3		
(c) Rear Area	IN/AR	LT SL 1/2	LT SL	1	3	3	2.3	1	3	3	2.3	2.3
		HR(S) 1/4	HR(S)	1	1	2	1.3	e	2	1	1.5	1.4
			HR(P)	0	1	0.2	0.4	0	0	0.5	0.2	0.3
			HR(I)	0	0	1		1.2	1	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	1	2	1.3	1.5
		HR(S) 2/2	HR(S)	2	2	1	1.7	f	6	5	5.5	3.2
			HR(P)	1	0	0	0.3	0.2	2	0.7	0.9	0.7
			HR(I)	1	0	0.3		6	4	1		
(2) Defense in Sector	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 8/4	HR(S)	eee	1	2	1.5	e	2	1	1.5	1.5
			HR(P)	fff	0	0.2	0.1	0	0	1.5	0.5	0.3
			HR(I)	bbb	0	0.5		0.2	0.5	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	1	3	1.7	1.7
		HR(S) 9/28	HR(S)	ggg	28	1	14.5	f	25	5	15	14.8
			HR(P)	hhh	6	0	3	1	20	5	8.7	6.4
			HR(I)	iii	2	0.2		19.2	5	2		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(3) Defense from Battle Positions												
(a) Linear	IN/AR	LT SL 2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 8	HR(S)	eee	8	0.5	4.3	e	2	2	2	3.1
			HR(P)	fff	1	0.1	0.6	0	0	0	0	0.2
			HR(I)	bbb	7	0.2		1.2	0	0		
		CPT SL 2	CPT SL	1	2	3	2	1	2	3	2	2
		HR(S) 2	HR(S)	ggg	2	0.5	1.3	f	2	4	3	2.1
			HR(P)	hhh	0	0	0	0	0	0	0	0
			HR(I)	iii	1.3	0.2		0.7	0	0.25		
(b) Perimeter	IN/AR	LT SL 2	LT SL	1	2	3	2	1	2	3	2	2
		HR(S) 8	HR(S)	eee	8	0.5	4.3	e	8	2	5	4.6
			HR(P)	fff	1	0.1	0.6	0	2	1	1	0.8
			HR(I)	bbb	7	0.2		1.2	1	0		
		CPT SL 1	CPT SL	1	1	3	1.7	1	2	3	2	1.8
		HR(S) 4	HR(S)	ggg	4	0.5	2.3	f	2	4	3	2.6
			HR(P)	hhh	0	0	0	0	0	0	0	0
			HR(I)	iii	0	0		0.6	0	0.25		
(4) Defense In-Depth	IN/AR	LT SL 2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 8	HR(S)	eee	8	0.5	4.3	e	2	2	2	3.1
			HR(P)	fff	1	0.1	0.6	5	0	1.5	2.2	1.5
			HR(I)	bbb	7	0.2		9.2	0.5	0		
		CPT SL 1	CPT SL	1	1	3	1.7	1	2	3	2	1.8
		HR(S) 50	HR(S)	ggg	50	0.5	25.3	f	5	4	4.5	14.9
			HR(P)	hhh	0	0	0	0	1	6	2.3	1.4
			HR(I)	iii	1.4	0.2		12.5	4	0.25		
(5) Strong Points	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 2/4	HR(S)	2	1	0.5	1.2	e	2	2	2	1.5
			HR(P)	0	1	0.1	0.4	0	0	0	0	0.2
			HR(I)	0	0	0.2		0.7	0	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	2	3	2	1.8
		HR(S) 4/1	HR(S)	4	1	0.5	1.8	f	4	4	4	2.7
			HR(P)	4	0	0.2	1.4	0	0	0	0	0.7
			HR(I)	1	0	0.2		1.2	4	0.25		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(6) Counterattack	IN/AR	LT SL 1/2	LT SL	1	2	3	2	1	3	3	2.3	2.2
		HR(S) 4/4	HR(S)	4	4	0.5	2.8	e	1	1	1	2.1
			HR(P)	1	4	0.1	1.7	0	0	0	0	0.9
			HR(I)	bbb	0	0.2		0.7	0.5	0.25		
		CPT SL 1/1	CPT SL	1	1	3	1.7	1	2	3	2	1.8
		HR(S) 6/4	HR(S)	6	4	1	3.7	f	2	2	2	3
			HR(P)	2	1	0	1	0	0	0	0	0.5
			HR(I)	2	0.3	0.2		5	2	0		
(7) Breakout/Linkup	IN/AR	LT SL 2/3	LT SL	2	3	3	2.7	2	3	3	2.7	2.7
		HR(S) 4/1	HR(S)	4	1	0.5	1.8	15	1	1	5.7	3.8
			HR(P)	0	1	0.1	0.4	0	0	0	0	0.2
			HR(I)	0	0	0.2		0.3	0	0		
		CPT SL 1/2	CPT SL	1	2	3	2	1	2	3	2	2
		HR(S) 6/4	HR(S)	6	4	0.5	3.5	f	2	2	2	2.9
			HR(P)	4	6	0	3.3	0	0	0	0	1.7
			HR(I)	0	2.5	0		1	2	0		
E. Retrograde Operations												
(1) Delay	IN/AR	LT SL 1/2	LT SL	1	2	3	2	3	3	3	3	2.5
		HR(S) 8/4	HR(S)	8	4	0.5	4.2	0.5	2	3	1.8	3
			HR(P)	0	1	0.2	0.4	0	0	0	0	0.2
			HR(I)	bbb	3	0.6		5.7	0	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	2	2	3	2.3	2
		HR(S) 15/4	HR(S)	15	4	0.5	6.5	8.4	2	4	4.8	5.7
			HR(P)	14	1	0	5	0.3	0.3	0	0.1	2.6
			HR(I)	0	0	1		12.1	2	1		
(2) Withdrawal	IN/AR	LT SL 1/2	LT SL	1	2	3	2	3	3	3	3	2.5
		HR(S) 8/4	HR(S)	8	4	0.5	2.3	0.5	2	2	1.5	2.8
			HR(P)	0	1	0.2	0.6	0	0	0	0	0.2
			HR(I)	bbb	3	0.2		0.7	0	0		
		CPT SL 1/1	CPT SL	1	1	3	1.7	3	2	3	2.7	2.2
		HR(S) 4/4	HR(S)	4	4	0.5	2.8	8.4	2	2	4.1	3.5
			HR(P)	4	1	0	1.7	0.3	0.3	0	0.2	0.9
			HR(I)	0	0	0.5		11.3	0	1		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AV[a]	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(3) Retirement	IN/AR	LT SL 4/2	LT SL	4	2	3	3	3	3	3	3	3
		HR(S) 0/4	HR(S)	0	0.5	0.5	0.3	0.5	1	2	1.2	0.8
			HR(P)	0	0.5	0.2	0.2	0	0	0	0	0.1
			HR(I)	0	0	0		0.2	0	0		
		CPT SL 3/2	CPT SL	3	2	3	2.7	3	3	3	3	2.8
		HR(S) 1/1	HR(S)	1	1	0.5	0.8	8.4	1	1	3.5	2.2
			HR(P)	0	0.5	0	0.2	0.1	0.3	0	0.1	0.2
			HR(I)	0	0	0.5		3	0	0.5		
F. Reconnaissance and Security Operations												
(1) Doctrine (Concepts) and Fundamentals	AR	LT SL 2	LT SL	3	2	2	2.3	3	3	3	3	2.7
		HR(S) 8	HR(S)	1	8	3	4	5	0.5	1	2.2	3.1
			HR(P)	0	8	0.5	2.8	2	0	0	0.7	1.8
			HR(I)	0	0	1		4	0.5	0		
		CPT SL 1	CPT SL	2	1	2	1.7	2	2	3	2.3	2
		HR(S) 2	HR(S)	2	2	2	2	g	1.5	2	1.8	1.9
			HR(P)	0	2	0	0.7	3	0.5	0	1.2	0.9
			HR(I)	0	1	1		8	1	0		
(2) Reconnaissance	AR	LT SL 2	LT SL	4	2	2	2.7	3	3	3	3	2.8
		HR(S) 24	HR(S)	0	24	4	9.3	5	0.5	1	2.2	5.8
			HR(P)	0	24	3	9	0	0	0	0	4.5
			HR(I)	0	0	0		2	0	0		
		CPT SL 1	CPT SL	4	1	2	2.3	2	2	3	2.3	2.3
		HR(S) 14	HR(S)	0	14	2	5.3	g	1	1	1	3.6
			HR(P)	0	14	0	4.7	0	0.5	0	0.2	2.4
			HR(I)	0	0	3		1.4	1	0		
(3) Security	AR	LT SL 2	LT SL	4	2	2	2.7	3	3	3	3	2.8
		HR(S) 16	HR(S)	0	16	2	6	5	0.5	1	2.2	4.1
			HR(P)	0	16	0.5	5.5	0	0	0	0	2.8
			HR(I)	0	0	1		2	0.5	0		
		CPT SL 1	CPT SL	4	1	2	2.3	2	2	3	2.3	2.3
		HR(S) 16	HR(S)	0	16	2	6	g	4.5	1	2.8	4.7
			HR(P)	0	16	0	5.3	0	0.5	0	0.2	2.8
			HR(I)	0	4	3		1.2	4	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver			CAM Mean	CA Non Maneuver			CANM MEAN	Combat Arms Mean
						IN	AR	AVa		FA	AD	EN		
(4) Economy of Force	AR	LT	SL	2	LT SL	4	2	2	2.7	3	3	3	3	2.8
			HR(S)	16	HR(S)	0	16	2	6	5	0.5	1	2.2	4.1
					HR(P)	0	16	0.5	5.5	0	0	0	0	2.8
					HR(I)	0	0	0.3		2	0.5	0		
		CPT	SL	1	CPT SL	1	1	3	1.7	2	2	3	2.3	2
			HR(S)	4	HR(S)	6	4	2	4	8	3.5	1	2.3	3.3
					HR(P)	0	6	0	2	0	0.5	0	0.2	1.1
					HR(I)	0	[illegible]	1		1.1	3	0		
(5) Division 86 Cavalry Operations	AR	LT	SL	3	LT SL	4	3	3	3.3	3	3	3	3	3.2
			HR(S)	2	HR(S)	0	2	2	1.3	5	0.5	1	2.2	1.8
					HR(P)	0	2	0.1	0.7	0	0	0	0	0.4
					HR(I)	0	0	0.1		0	0	0		
		CPT	SL	2	CPT SL	4	2	3	3	2	3	3	2.7	2.8
			HR(S)	2	HR(S)	0	2	1	1	8	0.5	1	0.8	0.9
					HR(P)	0	1	0	0.3	0	0	0	0	0.2
					HR(I)	0	1	0		1	0	0		
5. Fire Support														
A. Indirect Fire Support														
(1) Request and Adjust Fire	FA	LT	SL	1	LT SL	1	2	2	1.7	1	2	2	1.7[b]	1.7[b]
			HR(S)	14	HR(S)	15	25	5	15	64	3	4	7	11
					HR(P)	7	15	21	14.3	42	3	3.5	6.8	10.6
					HR(I)	bbb	9	8		16	1	0		
		CPT	SL	1	CPT SL	1	1	2	1.3	2	2	2	b	1.7[b]
			HR(S)	12	HR(S)	5	18	3	8.7	30	5	4	7	7.8
					HR(P)	1.5	3	7	3.8	26	3	0	5	5
					HR(I)	1	2	7		6	2	0		
(2) FA Organization, Command and Control	FA	LT	SL	3	LT SL	2	2	3	2.3	3	3	4	3.3[b]	2.8[b]
			HR(S)	1	HR(S)	1	2	2	1.7	6	3	0	1.3	1.5
					HR(P)	0.5	2	0.5	1	4	0	0	0.3	0.7
					HR(I)	3	0	0		14	0.5	0		
		CPT	SL	3	CPT SL	1	1	2	1.3	1	2	4	3[b]	2.2[b]
			HR(S)	1	HR(S)	10	2	5	5.7	71	7	0	2.7	4.2
					HR(P)	3.5	2	2	2.5	11.5	1	3	1.7	2.1
					HR(I)	4.5	5.7	0		20.5	6	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AV[a]	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(3) FA Priority Support in AirLand Battlefield	FA	LT	SL	3	LT SL	3	3	3	3	3	3	3	3[b]	3[b]
			HR(S)	1	HR(S)	1	1	1	1	3	1	2	1.3	1.2
					HR(P)	0	1	0.1	0.4	2	0	0	0	0.4
					HR(I)	0.5	0	0		8	0.5	0		
		CPT	SL	3	CPT SL	2	2	3	2.3	1	2	3	2.7[b]	2.5[b]
			HR(S)	1	HR(S)	1	1	1	1	12	2	2	1.7	1.3
					HR(P)	0	1	0	0.3	3	0	2	1	0.7
					HR(I)	1.5	3.3	0		6.3	2	0		
(4) FA Land Space Requirements In MBA/CFA	FA	LT	SL	4	LT SL	4	4	3	3.7	3	4	4	4[b]	3.8[b]
			HR(S)	0	HR(S)	0	0	1	0.3	2	0	0	0	0.2
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		3	0	0		
		CPT	SL	3	CPT SL	3	2	3	2.7	2	3	3	3[b]	2.8[b]
			HR(S)	0.5	HR(S)	1	1	1	1	6	1	0.3	0.6	0.8
					HR(P)	1.1	0	0	0.4	1	0	0	0.2	0.3
					HR(I)	0.1	0	0		5	1	1		
B. Close Air Support (CAS and BAI)	CGSC	LT	SL	1	LT SL	3	2	2	2.3	1	3	3	2.3	2.3
			HR(S)	4	HR(S)	1	4	4	3	11	1	2	4.7	3.8
					HR(P)	1.8	4	2.5	2.8	16.7	0	0.25	5.6	4.2
					HR(I)	0.4	2	0		0	0.25	0.25		
		CPT	SL	1	CPT SL	1	1	2	1.3	1	2	3	2	1.7
			HR(S)	8	HR(S)	3	4	4	3.7	15	2	2	6.3	5
					HR(P)	2	3	0	1.7	15	0	0.25	5.1	3.4
					HR(I)	1.2	2.6	0.5		0	0.5	0.25		
C. Suppression of Enemy AD (SEAD)	CGSC	LT	SL	2	LT SL	4	2	2	2.7	1	3	4	2.7	2.7
			HR(S)	2	HR(S)	0	1	3	1.3	0.5	1	0	0.5	0.9
					HR(P)	1	1	0	0.7	0.5	0.25	0	0.3	0.5
					HR(I)	0.1	0	0		0.5	0	0		
		CPT	SL	1	CPT SL	3	1	2	2	1	2	3	2	2
			HR(S)	4	HR(S)	1	2	3	2	2	3	1	2	2
					HR(P)	1	0	0	0.3	0.2	0.25	0.25	0.2	0.3
					HR(I)	0.5	0.2	0		3.7	0.25	0.5		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
D. Nuclear and Chemical Weapons Employment	CGSC/FA/CM	LT SL	LT SL	3	3	3	3	3	1	3	2.3	2.7
		HR(S)	HR(S)	29	33.5	21	27.8	113	34	12	53	40.4
			HR(P)	14.5	20.5	10	15	20.2	23	14.25	19.2	17.1
			HR(I)	0	0	7.1		12.7	4	0		
(Consolidated Entry--See Annex H, Appendix 1 and 2)		CPT SL	CPT SL	3	2	3	2.7	2	2	3	2.3	2.5
		HR(S)	HR(S)	60	31.5	18	36.5	232	40	21	97.6	67.1
			HR(P)	34.7	34.2	25.2	31.4	37.1	36	11.75	28.3	29.8
			HR(I)	29.1	3	0		25.1	9	0		
7. Engineer Operations (Combat Support)												
A. Mobility	EN	LT SL 3	LT SL	1	2	3	2	3	2	1	2.7b	2.3b
		HR(S) 4	HR(S)	2	1	0.5	1.2	0.5	1	125	1.8	1.5
			HR(P)	3	1	0	1.3	0	0	80.4	1.3	1.3
			HR(I)	0	0	0		0	0.3	9		
		CPT SL 2	CPT SL	1	1	3	1.7	3	2	1	2.3b	2b
		HR(S) 12	HR(S)	2	2	1	1.7	1	2	119	7	3.8
			HR(P)	2	2	0	1	3	1	31	5.3	3.3
			HR(I)	2	5.1	0		0	3	9		
B. Countermobility	EN	LT SL 3	LT SL	1	2	3	2	3	2	1	2.7b	2.3b
		HR(S) 4	HR(S)	5	8	0.5	4.5	0.5	1	75	1.8	3.2
			HR(P)	11	8	0	6.3	0	2	14	2	4.2
			HR(I)	bbb	0	0		5	0.3	49		
		CPT SL 2	CPT SL	1	1	3	1.7	3	2	1	2.3b	2b
		HR(S) 12	HR(S)	7	6	1	4.7	1	2	64	7	6
			HR(P)	6	6	0	4	0	1	12	4.3	4.2
			HR(I)	3	8.5	0		5	5	49		
C. Survivability	EN	LT SL 3	LT SL	1	2	3	2	3	2	1	2.7b	2.3b
		HR(S) 4	HR(S)	12	2	0.5	4.8	1	1	50	2	3.4
			HR(P)	0	2	0	0.7	1	0	4.5	1.8	1.3
			HR(I)	0	0	0		7	0.3	1		
		CPT SL 2	CPT SL	1	1	3	1.7	3	2	1	2.3b	2b
		HR(S) 12	HR(S)	4	1	1	2	1	2	2	2	2
			HR(P)	1	1	0	0.7	0.5	1	2.5	1.3	1
			HR(I)	1	1	0		6	2	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AV[a]	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
D. General Engineering	EN	LT SL	3	LT SL	3	3	3	3	3	2	1	2.7[b]	2.8[b]
		HR(S)	1	HR(S)	1	1	0.5	0.8	0.5	1	175	0.8	0.8
				HR(P)	0	1	0	0.3	1	0	91.25	0.7	0.5
				HR(I)	0	0	0		0	0.3	200		
		CPT SL	3	CPT SL	3	2	3	2.7	3	2	1	2.7[b]	2.7[b]
		HR(S)	2	HR(S)	1	2	0.5	1.2	1	2	400	2	1.5
				HR(P)	0	2	0	0.7	0.5	1	40.5	1.2	0.9
				HR(I)	0	0	0.2		1	1	70		
8. Army Aviation													
A. Combat Aviation	AV	LT SL	2	LT SL	3	2	2	2.3[b]	3	3	3	3	2.7[b]
		HR(S)	6	HR(S)	1	2	30	3	2	1	1	1.3	2.2
				HR(P)	0	2	5.2	2.4	1	0	0	0.3	1.4
				HR(I)	0	0	0		0	0	0		
		CPT SL	1	CPT SL	2	1	1	1.3[b]	3	2	3	2.7	2[b]
		HR(S)	10	HR(S)	6	2	12	6	2.5	4	1	2.5	4.3
				HR(P)	2	4	0	2	1	0	0	0.3	1.2
				HR(I)	0.2	16.5	12		2	2	0		
B. Combat Support Aviation	AV	LT SL	2	LT SL	3	2	2	2.3[b]	3	3	3	3	2.7[b]
		HR(S)	7	HR(S)	1	0.5	8	2.8	2	1	1	1.3	2.1
				HR(P)	0	0.5	0.6	0.4	0	0	0	0	0.2
				HR(I)	0	0	0.2		0	0	0		
		CPT SL	1	CPT SL	2	2	1	1.7[b]	3	2	3	2.7	2.2[b]
		HR(S)	12	HR(S)	6	2	15	6.7	0.5	4	1	1.8	4.3
				HR(P)	2	1	0	1	1	0	0	0.3	0.7
				HR(I)	1	0	4		2	0.5	0		
C. Combat Service Support Aviation	AV	LT SL	2	LT SL	3	3	2	2.7[b]	3	3	3	3	2.8[b]
		HR(S)	7	HR(S)	1	0.5	8	2.8	2	1	1	1.3	2.1
				HR(P)	0	0.5	0.2	0.2	0	0	0	0	0.1
				HR(I)	0	0	0.2		0	0	0		
		CPT SL	1	CPT SL	3	2	2	2.3	3	2	3	2.7	2.5
		HR(S)	12	HR(S)	1	1	5	2.3	0.5	2	1	1.2	1.8
				HR(P)	1	1	0	0.7	2.2	0	0	0.7	0.7
				HR(I)	0	0	2		0	0	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
9. Combat Service Support													
A. Logistics Operations													
(1) Supply	QM	LT SL	3	LT SL	3	2	3	2.7	2	2	2	2	2.3
		HR(S)	11	HR(S)	8	8	2	6	3.4	18	8	9.8	7.9
				HR(P)	2	8	0	3.3	0	7	5	4	3.7
				HR(I)	0	0	0		0	1	0		
		CPT SL	3	CPT SL	2	1	2	1.7	2	1	2	1.7	1.7
		HR(S)	25	HR(S)	8	16	24	16	13	10	12	11.7	13.8
				HR(P)	6	10	10	8.7	1.5	7	8	5.5	7.1
				HR(I)	0	1.9	8		4.2	3	0		
(2) Ammunition Support Structure and Requisitioning	MM	LT SL	2	LT SL	4	3	3	3.3	2	3	3	2.7	3
		HR(S)	4	HR(S)	0	1	0.5	0.5	1.7	1	1	1.2	0.9
				HR(P)	0	1	0	0.3	0	0	0	0	0.2
				HR(I)	0	0	0		0	0	0		
		CPT SL	2	CPT SL	3	1	3	2.3	2	2	2	2	2.2
		HR(S)	2	HR(S)	1	1	0.5	0.8	2.5	2	1	1.8	1.3
				HR(P)	0.5	0	0	0.2	1	0	0.4	0.5	0.3
				HR(I)	0	0.9	0.2		0.8	0	0		
(3) Ammunition Supply Rates and DAO Functions	MM	LT SL	3	LT SL	4	3	3	3.3	2	4	3	3	3.2
		HR(S)	2	HR(S)	0	0.5	0.5	0.3	0.5	0	1	0.5	0.8
				HR(P)	0	0.5	0	0.2	0	0	0	0	0.1
				HR(I)	0	0.5	0		0.2	0	0		
		CPT SL	3	CPT SL	3	1	3	2.3	1	2	3	2	2.2
		HR(S)	1	HR(S)	1	2	0.5	1.2	0.3	2	1	1.1	1.1
				HR(P)	1	0	0	0.3	1.2	0	0.1	0.4	0.4
				HR(I)	0	0.3	0.1		0.7	1	0.4		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
B. Transportation Operations														
(1) Convoy Operations	TC	LT	SL	2	LT SL	3	1	3	2.3	3	2	2	2.3	2.3
			HR(S)	4	HR(S)	0	2	2	1.3	0.1	1	2	1	1.2
					HR(P)	0	2	0	0.7	0	0	1	0	0.5
					HR(I)	0	0	0		0.2	0	0		
		CPT	SL	2	CPT SL	3	1	3	2.3	3	1	2	2	2.2
			HR(S)	1	HR(S)	0	2	1	1	0.2	2	2	1.4	1.2
					HR(P)	0	0.4	0	0.1	0	0	0	0	0.1
					HR(I)	0	0.4	0		0	0	2		
(2) Movement Control	TC	LT	SL	2	LT SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	2	HR(S)	1	1	2	1.3	0.1	1	1	0.7	1.0
					HR(P)	0	1	0	0.3	0	0	0	0	0.2
					HR(I)	0	0	0		0.2	0	0		
		CPT	SL	2	CPT SL	3	1	3	2.3	3	1	3	2.3	2.3
			HR(S)	1	HR(S)	1	1	1	1	0.2	2	1	1.1	1.0
					HR(P)	0	0.4	0	0.1	0	0	0	0	0.1
					HR(I)	0	0.4	0		0	0	0		
C. Field Services Operations	QM	LT	SL	3	LT SL	4	2	3	3	4	3	2	3	3
			HR(S)	3	HR(S)	0	1	0.5	0.5	0	3	2	1.7	1.1
					HR(P)	0	1	0	0.3	0	0	0	0	0.2
					HR(I)	0	0	0		0	0	0		
		CPT	SL	3	CPT SL	4	1	3	2.7	3	2	3	2.7	2.7
			HR(S)	4	HR(S)	0	2	0.5	0.8	0.2	3	2	1.7	1.3
					HR(P)	0	0	2	0.7	0	0	0	0	0.3
					HR(I)	0	0.5	0		8	1	1		
D. Maintenance Operations														
(1) Recovery/Evacuation	OD	LT	SL	3	LT SL	2	2	3	2.3	3	2	2	2.3	2.3
			HR(S)	4	HR(S)	8	8	1	5.7	1	3	3	2.3	3.4
					HR(P)	7	8	0	5	2	0	2	1.3	3.2
					HR(I)	0	0	1		0	0	0		
		CPT	SL	2	CPT SL	2	1	3	2	3	2	2	2.3	2.2
			HR(S)	2	HR(S)	1	8	1	3.3	2.2	2	3	2.4	2.9
					HR(P)	0	0	0	0	4.4	0	0	1.5	0.7
					HR(I)	1	2	0.5		4.2	2	0.25		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(2) Command and Staff Management of Preventive Maintenance	OD	LT	SL	2	LT SL	2	2	3	2.3	2	3	1	2	2.2
			HR(S)	4	HR(S)	4	1	4	3	3.1	6	2	3.7	3.4
					HR(P)	0	2	0	0.7	5	0	0	1.7	1.2
					HR(I)	0	2	0		0	1	0		
		CPT	SL	1	CPT SL	2	1	3	2	1	1	1	1	1.5
			HR(S)	8	HR(S)	12	24	2	12.7	8	6	8	7.3	10
					HR(P)	0	0	0	0	8.2	1	0	3.1	1.5
					HR(I)	0	6	0.1		2	2	0		
(3) The Army Maintenance Management System	OD	LT	SL	3	LT SL	2	2	3	2.3	2	2	1	1.7	2
			HR(S)	3	HR(S)	10	15	4	9.7	6.7	9	4	6.6	8.1
					HR(P)	4	16	4	8	6.7	4	0	3.6	5.8
					HR(I)	0	0	0	0		0	0	0	
		CPT	SL	2	CPT SL	2	1	3	2	1	1	1	1	1.5
			HR(S)	4	HR(S)	7	20	2	9.7	20	10	4	11.3	10.5
					HR(P)	0	24	2	8.7	5	5	0	3.3	6
					HR(I)	0	0	0		4.7	0	0		
E. Personnel and Administration Operations														
(1) Manpower Accountability	SSC	LT	SL	2	LT SL	3	3	3	3	4	3	3	3.3	3.2
			HR(S)	4	HR(S)	1	0.5	0.5	0.7	0	2	1	1	0.8
					HR(P)	0.5	0.5	0	0.3	0	0	0	0	0.2
					HR(I)	ddd	0	0		0	0.5	0		
		CPT	SL	1	CPT SL	3	1	3	2.3	4	2	2	2.7	2.5
			HR(S)	6	HR(S)	1	2	1	1.3	0	2	2	1.3	1.3
					HR(P)	1	2	0	1	0.3	2	0	0.8	0.9
					HR(I)	0	0.4	0.4		4.2	0	0		
(2) Casualty Reporting	SSC	LT	SL	2	LT SL	3	2	3	2.7	3	3	2	2.7	2.7
			HR(S)	2	HR(S)	1	1	0.5	0.8	0.5	1	1	0.8	0.8
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	bbb	1	0		0	0	0		
		CPT	SL	2	CPT SL	3	1	3	2.3	3	2	2	2.3	2.3
			HR(S)	2	HR(S)	1	1	1	1	0.3	1	1	0.8	0.9
					HR(P)	1	0	0	0.3	0.3	0	0	0.1	0.2
					HR(I)	0	1.1	0		3.5	1	0		

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CAMM MEAN	Combat Arms Mean
(3) Replacements	SSC	LT SL 2	LT SL	4	2	3	3	4	3	2	3	3
		HR(S) 4	HR(S)	0	1	0.5	0.5	0	1	1	0.7	0.6
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	0		0	0	0		
		CPT SL 2	CPT SL	3	1	4	2.7	3	2	2	2.3	2.5
		HR(S) 4	HR(S)	1	1	0	0.7	0.2	1	1	0.7	0.7
			HR(P)	0.5	0	0	0.2	0.2	0	0	0.1	0.1
			HR(I)	0	0	0.1		3.5	1	0		
F. Medical Services												
(1) First Aid	AHS	LT SL 1	LT SL	1	1	2	1.3	2	2	2	2	1.7
		HR(S) 4	HR(S)	4	0	1	1.7	1	2	8	3.7	2.7
			HR(P)	4	0	4	2.7	0	0	2	0.7	1.7
			HR(I)	bbb	0	4		0	0	0		
		CPT SL 1	CPT SL	1	1	2	1.3	2	2	2	2	1.7
		HR(S) 4	HR(S)	2	0	1	1	0.6	2	4	2.2	1.6
			HR(P)	4	0	0	1.3	0	0	0.5	0.2	0.8
			HR(I)	0	0	0		6.5	0	0		
(2) Medical Evacuation	AHS	LT SL 2	LT SL	1	2	3	2	3	2	2	2.3	2.2
		HR(S) 2	HR(S)	2	1	1	1.3	0.2	2	2	1.4	1.4
			HR(P)	2	1	0.2	1.1	0	0	0	0	0.5
			HR(I)	0	0	0		0	0	0		
		CPT SL 1	CPT SL	1	1	3	1.7	3	2	2	2.3	2
		HR(S) 2	HR(S)	2	1	1	1.3	0.2	3	2	1.7	1.5
			HR(P)	2	0	0	0.7	0	2	0	0.7	0.7
			HR(I)	0	0.4	0		3.5	1	0		
G. Reconstitution of Ineffective Units	LOGCEN	LT SL 3	LT SL	4	2	4	3.3	2	2	4	2.7	2.3
		HR(S) 1	HR(S)	0	1	0	0.3	6	1	0	2.3	1.3
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	1	0		0	0	0		
		CPT SL 2	CPT SL	3	2	4	3	1	1	3	1.7	2.3
		HR(S) 4	HR(S)	1	2	0	1	3	2	1	2	1.5
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0.2	0		0	2	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
10. Special/Other Operations														
A. Low Intensity Conflict														
(1) Counterinsurgency Operations	IN	LT	SL	3	LT SL	3	3	3	3	3	3	3	3	3
			HR(S)	0	HR(S)	0	0	0.5	0.2	5	0.5	1	2.2	1.2
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
		CPT	SL	3	CPT SL	3	3	3	3	3	3	3	3	3
			HR(S)	4	HR(S)	8	0.5	0.5	0.3	3	1	2	2	2.5
					HR(P)	0	0	0	0	0.5	0	0	0.2	0.1
					HR(I)	0	0	0		1	0	0		
(2) Counterterror Operations	MP/IMA/CGSC	LT	SL	2/3	LT SL	3	3	3	3	4	3	3	3.3	3.2
			HR(S)	20/1	HR(S)	0	0	0.5	0.2	0	0.5	1	0.5	0.3
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
		CPT	SL	1/2	CPT SL	3	3	3	3	4	2	3	3	3
			HR(S)	36/2	HR(S)	2	0.5	0.5	1	0	2	1	1	1
					HR(P)	1	0	0	0.3	0	0	0	0	0.2
					HR(I)	0	0	0		0.2	0	0		
(3) Foreign Internal Defense	IMA	LT	SL	3	LT SL	3	4	3	3.3	4	4	3	3.7	3.5
			HR(S)	1	HR(S)	0	0	0.5	0.2	0	0	1	0.3	0.3
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
		CPT	SL	2	CPT SL	3	2	3	2.7	4	3	3	3.3	3
			HR(S)	2	HR(S)	0	4	0.5	1.5	0	0.5	1	0.5	1
					HR(P)	6	0	0	2	0	0	0	0	1
					HR(I)	0	0	0		0	0	0		
B. Special Forces Operations	IMA	LT	SL	3	LT SL	3	4	3	3.5	3	4	3	3.3	3.4
			HR(S)	1	HR(S)	0	0	0.5	0.3	1	0	1	0.7	0.5
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
		CPT	SL	2	CPT SL	3	4	3	3.3	3	4	3	3.3	3.3
			HR(S)	2	HR(S)	0	0	0.5	0.2	1	0	1	0.7	0.4
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
C. Unconventional Warfare	IMA	LT SL	3	LT SL	3	4	3	3.3	4	4	3	3.7	3.5
		HR(S)	1	HR(S)	0	0	0.5	0.2	0	0	1	0.3	0.3
				HR(P)	0	0	0	0	0	0	0	0	0
				HR(I)	0	0	0		0	0	0		
		CPT SL	2	CPT SL	3	3	3	3	3	3	3	3	3
		HR(S)	2	HR(S)	8	1	0.5	3.2	1	0.5	1	0.8	2
				HR(P)	1	0	0	0.3	0	0	0	0	0.2
				HR(I)	0	0	0		0	0	0		
D. Psychological Operations	IMA	LT SL	3	LT SL	3	3	3	3	4	3	3	3.3	3.2
		HR(S)	1	HR(S)	0	0	0.5	0.2	0	1	1	0.7	0.4
				HR(P)	0	0	0	0	0	0	0	0	0
				HR(I)	0	0	0		0	0	0		
		CPT SL	2	CPT SL	3	3	3	3	3	3	3	3	3
		HR(S)	2	HR(S)	0	0.5	0.5	0.3	1	1	1	1	0.7
				HR(P)	0	0	0	0	0	0	0.25	0.1	0
				HR(I)	0	0	0.1		0	0	0.25		
E. Civil Affairs	IMA	LT SL	3	LT SL	3	3	3	3	4	3	3	3.3	3.2
		HR(S)	1	HR(S)	0	1	1	0.7	0	1	1	0.7	0.7
				HR(P)	0	1	0	0.3	0	0	0	0	0.2
				HR(I)	0	0	0		0	0	0		
		CPT SL	2	CPT SL	3	2	3	2.7	3	3	3	3	2.8
		HR(S)	2	HR(S)	0	2	1	1	2	1	1	1.3	1.2
				HR(P)	0	1	1	0.7	0.5	0	0.25	0.3	0.5
				HR(I)	0	0	0		0	0	0.25		
F. Amphibious Operations	IN	LT SL	3	LT SL	3	3	3	3	4	3	2	3	3
		HR(S)	1	HR(S)	1	1	1	1	0	1	1	0.7	0.8
				HR(P)	0	1	0	0.3	0	0	0	0	0.2
				HR(I)	0	0	0		0	0.3	0		
		CPT SL	3	CPT SL	3	3	3	3	3	3	1	2.3	2.7
		HR(S)	8	HR(S)	8	1	1	3.3	2	1	3	2	2.7
				HR(P)	0	2	0	0.7	0	1	0	0.3	0.5
				HR(I)	0	0.2	0		0	0	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	HN	CANM MEAN	Combat Arms Mean
G. Airborne Operations	IN	LT SL 3	LT SL	3	4	3	3.3	3	3	3	3	3.2
		HR(S) 1	HR(S)	1	0	1	0.7	1	1	1	1	0.8
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	0		1	0.3	0		
		CPT SL 3	CPT SL	3	2	3	2.7	3	2	3	2.7	2.7
		HR(S) 9	HR(S)	9	0.5	0.5	3.3	2	1	1	1.3	2.3
			HR(P)	8	0	0	2.7	0	0	0	0	1.3
			HR(I)	0	0	0.3		0	0	0		
H. Airmobile Operations	IN/AV	LT SL 1/2	LT SL	1	3	2	2b	3	3	3	3	2.5b
		HR(S) 20/9	HR(S)	20	0	18	9.7	2	1	1	1.3	5.5
			HR(P)	8	0	2	3.3	0	0	0	0	1.7
			HR(I)	13	0	0.5		1	0	0		
		CPT SL 1/1	CPT SL	1	2	2	1.7	3	2	3	2.7	2.2
		HR(S) 36/16	HR(S)	36	0.5	5	13.8	2	1	1	1.3	7.6
			HR(P)	35	0	5	13.3	4	1	0	1.7	7.5
			HR(I)	0	0	0.3		2	0	0		
I. Ranger Operations	IN	LT SL 3	LT SL	3	4	3	3.3	3	3	3	3	3.2
		HR(S) 1	HR(S)	1	0	0.5	0.5	1	0	1	0.7	0.6
			HR(P)	jjj	0	0	0	0	0	0	0	0
			HR(I)	bbb	0	0		1	0	0		
		CPT SL 3	CPT SL	3	3	3	3	3	3	3	3	3
		HR(S) 2	HR(S)	2	0.5	0.5	1	2	0	1	1	1
			HR(P)	0	0	0	0	0	0	0	0	0
			HR(I)	0	0	0		0	0	0		
J. Operations in Special Terrain												
(1) Desert	IN/AR	LT SL 3/3	LT SL	3	3	3	3	3	3	3	3	3
		HR(S) 1/1	HR(S)	1	1	1	1	2	0.5	1	1.2	1.1
			HR(P)	0	1	0.2	0.4	0	0	0	0	0.2
			HR(I)	0	0	0		0.2	0	0		
		CPT SL 2	CPT SL	2	2	3	2.3	3	2	3	2.7	2.5
		HR(S) 2	HR(S)	7	2	1	3.3	2	2	2	2	2.7
			HR(P)	4	2.5	0	2.2	0	0	3	1	1.6
			HR(I)	0	0	0		0	2	0		

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVA	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(2) Jungle	IN	LT SL	3	3	4	3	3.3	3	3	3	3	3.2
		HR(S)	1	1	0	1	0.7	2	5	1	2.7	1.7
		HR(P)		0	0	0.1	0	0	0	0	0	0
		HR(I)		0	0	0		0.2	0	0		
		CPT SL	2	2	2	3	2.3	3	2	3	2.7	2.5
		HR(S)	7	7	1.5	1	3.2	2	0.5	1	1.2	2.2
		HR(P)		0	1	0	0.3	0	0	0	0	0.2
		HR(I)		0	0	0		0	0.5	0		
(3) Mountain	IN	LT SL	3	3	4	3	3.3	3	3	3	3	3.2
		HR(S)	1	1	0	1	0.7	2	0.5	1	1.2	0.9
		HR(P)		0	0	0.2	0	0	0	0	0	0
		HR(I)		0	0	0.3		0.2	0	0		
		CPT SL	2	2	2	3	2.3	3	2	3	2.7	2.5
		HR(S)	7	7	1.5	1	3.2	2	1	1	1.3	2.3
		HR(P)		2	0	0	0.7	0	0	0	0	0.3
		HR(I)		0	0	0		0	1	0		
(4) Northern Terrain	IN	LT SL	3	3	3	3	3	3	3	3	3	3
		HR(S)	1	1	1	1	1	2	0.5	1	1.2	1.1
		HR(P)		0	1	0.2	0.4	0	0	0	0	0.2
		HR(I)		0	0	0		0.2	0	0		
		CPT SL	2	2	2	3	2.3	3	2	3	2.7	2.5
		HR(S)	7	7	2	1	3.3	2	1	1	1.3	2.3
		HR(P)		3	2.5	0	1.8	0	0	0	0	0.9
		HR(I)		0	0	0		0	1	0		
(5) Military Operations in Urban Terrain (MOUT)	IN	LT SL	1	1	2	3	2	1	3	3	2.3	2.2
		HR(S)	15	15	4	2	7	1	1	1	1	4
		HR(P)		12	4	0.2	5.4	0	0	0	0	2.7
		HR(I)		0	0	0.1		1.2	0	0		
		CPT SL	1	1	1	3	1.7	1	2	2	1.7	1.7
		HR(S)	27	27	4	1	10.7	0.6	2	3	1.9	6.3
		HR(P)		25	6.9	0	10.6	4.2	0	0	1.4	6
		HR(I)		2	0	0		9	2	2		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
K. River Crossing	IN/AR/EN	LT	SL	2/2/3	LT SL	2	2	3	2.3	3	3	1	3b	2.7b
			HR(S)	4/3/4	HR(S)	4	3	1	2.7	0.5	1	20	1.8	2.3
					HR(P)	0	3	0	1	0.5	0	0	0.2	0.6
					HR(I)	0	0	0.3		0.5	0	0		
		CPT	SL	1/2/2	CPT SL	1	2	3	2	1	2	1	1.7b	1.8b
			HR(S)	10/4/16	HR(S)	10	4	1	5	5	3	25	8	6.5
					HR(P)	7	1	0	2.7	0.6	1	10	3.9	3.3
					HR(I)	2	0	0		7.1	2	0		
L. Tactical Deception Operations	CGSC	LT	SL	1	LT SL	4	4	3	3.7	1	3	3	2.3	3
			HR(S)	10	HR(S)	0	0	2	0.7	c	1	1	1	0.8
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0.2		0.5	0	0		
		CPT	SL	1	CPT SL	2	3	2	2.3	1	2	3	2	2.2
			HR(S)	10	HR(S)	4	1	2	2.3	d	1	2	1.5	2
					HR(P)	0.1	0	0	0	0.2	1	0	0.4	0.2
					HR(I)	0.1	0	10		19.2	3	1		
M. Rear Area Combat Operations														
(1) Organization for Combat	CGSC/MP	LT	SL	1/2	LT SL	3	3	3	3	3	3	3	3	3
			HR(S)	2/0	HR(S)	0	0	2	0.7	2	1	1	1.3	1
					HR(P)	0	0	0.1	0	0	0	0	0	0
					HR(I)	0	0	0		1	1	0		
		CPT	SL	1/1	CPT SL	3	2	3	2.7	1	2	3	2	2.3
			HR(S)	2/0	HR(S)	2	0.5	1	1.2	37	2	2	13.7	7.4
					HR(P)	1	0	0	0.3	0	0	0	0	0.2
					HR(I)	1	0	1		58	2	0		
(2) Perimeter Defense	CGSC/MP	LT	SL	1/2	LT SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	4/0	HR(S)	0	0	1	0.3	0.3	2	1	1.1	0.7
					HR(P)	0	0	0.1	0	0	0	1	0.3	0.2
					HR(I)	0	0	0		0	1	0		
		CPT	SL	1/1	CPT SL	3	2	3	2.7	1	1	3	1.7	2.2
			HR(S)	4/0	HR(S)	1	0	1	0.7	0.2	0.5	2	0.9	0.8
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		1	0	0		

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
(3) Active/Passive Security	CGSC/MP	LT	SL	1/2	LT SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	2/0	HR(S)	0	0	1	0.3	0.1	1	1	0.7	0.5
					HR(P)	0	0	0.1	0	0	0	0	0	0
					HR(I)	0	0	0		0	1	0		
		CPT	SL	1/1	CPT SL	3	2	3	2.7	1	1	3	2.7	2.2
			HR(S)	2/0	HR(S)	2	0	1	1	0.1	2	2	1.4	1.2
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	2	0		
(4) Weapons Employment	CGSC/MP	LT	SL	1/2	LT SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	4/2	HR(S)	0	0	2	0.7	0.1	2	1	1	0.9
					HR(P)	0	0	0	0	0	2	1	1	0.5
					HR(I)	0	0	0		0	2	0		
		CPT	SL	1/1	CPT SL	3	2	3	2.7	1	1	3	1.7	2.2
			HR(S)	6/4	HR(S)	1	0.5	1	0.8	0.1	4	2	2	1.4
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	4	0		
(5) Physical Layout of Rear Area	CGSC/MP	LT	SL	1/2	LT SL	3	3	3	3	3	3	3	3	3
			HR(S)	2/4	HR(S)	0	2	1	1	0.1	1	1	0.7	0.9
					HR(P)	0	0	0.1	0	0	0	1	0.3	0.2
					HR(I)	0	0	0		0	0	0		
		CPT	SL	1/2	CPT SL	3	2	3	2.7	3	2	3	2.7	2.7
			HR(S)	4/4	HR(S)	2	2	1	1.7	0.2	1	1	0.7	0.9
					HR(P)	0	0	0	0	0	0	0	0	0
					HR(I)	0	0	0		0	0	0		
11. Leadership	CGSC	LT	SL	1	LT SL	1	2	2	1.7	1	2	1	1.3	1.5
			HR(S)	30	HR(S)	40	24	35	33	7	50	25	27.3	30.2
					HR(P)	37	4	7	16	19	36	0	18.3	17.2
					HR(I)	ddd	28	2		1	0	0		
		CPT	SL	1	CPT SL	1	1	2	1.3	1	2	1	1.3	1.3
			HR(S)	50	HR(S)	60	40	65	55	55	50	25	43.3	49.2
					HR(P)	50	50	7	35.7	39	33	0	24	29.8
					HR(I)	0	5	0		0	0	0		

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		CA-Maneuver IN	AR	AVa	CAM Mean	CA Non Maneuver FA	AD	EN	CANM MEAN	Combat Arms Mean
TOTAL HOURS			LT HR(S)	523	473.5	341.5	446	418.1	377.5	687	494.2	470.1
			HR(P)	159.3	317	123.5	199.9	193.9	123	254.75	190.6	195.2
			HR(I)	441.5	191.5	83.2		220.31	63.85	266.75		
			CPT HR(S)	703	623.5	379.5	568.7	1068.1	714	911.3	897.8	733.2
			HR(P)	358.7	315.4	78.2	250.8	297.8	287.75	180.45	255.3	253
			HR(I)	260.9	176	84.6		688.2	351.5	181.4		

FOOTNOTES

a. Initial Entry Rotary Wing Course data used for Aviation LT, and Warrant Officer Advanced Course data used for Aviation CPT.

b. Proponent recommended sufficiency level and hours used to compute the mean.

c. Field Artillery indicates 15 hours required for Offensive Operations in OBC.

d. Field Artillery indicates 22 hours required for Offensive Operation in OAC.

e. Field Artillery indicates 15 hours required for Defensive Operations in OBC.

f. Field Artillery indicates 27 hours required for Defensive Operations in OAC.

g. Field Artillery indicates 9 hours required for Reconnaissance and Security Operations in OAC.

h. Field Artillery indicates 4 hours required for Air Defense in OAC.

i. Field Artillery indicates 4 hours required for Engineer Operations in OAC.

j. Signal School data does not reflect SC 72 data.

k. Signal School indicates 1 hour required for Defensive Doctrine and Fundamentals in OBC and OAC.

l. Signal School devotes 0.5 hours to Defensive Doctrine and Fundamentals in OBC.

m. Signal School devotes 3 hours to Defensive Doctrine and Fundamentals in OAC.

n. Signal School devotes 1 hour to Defensive Doctrine and Fundamentals in OAC.

o. Missile and Munitions OAC POI data not available.

p. Missile and Munitions indicates 40 hours required for Organizational Basics in OBC.

q. Missile and Munitions devotes 40 hours for Organizational Basics in OBC.

r. Missile and Munitions devotes 18 hours for Organizational Basics in OBC.

s. Missile and Munitions indicates 55 hours required for Organizational Basics in OAC.

t. Missile and Munitions indicates 3 hours required for Electronic Warfare in OBC.

u. Missile and Munitions indicates 9 hours required for Electronic Warfare in OAC.

v. Missile and Munitions indicates 12 hours required for Tactical Basics in OBC.

w. Missile and Munitions indicates 9 hours required for Tactical Basics in OAC.

x. Missile and Munitions indicates 3 hours required for Intelligence in OBC.

y. Missile and Munitions devotes 1 hour to Intelligence in OBC.

z. Missile and Munitions indicates 5 hours required for Intelligence in OAC.

aa. Missile and Munitions indicates 4 hours required for AD in OBC.

bb. Missile and Munitions indicates 8 hours required for AD in OAC.

cc. Missile and Munitions indicates 5 hours required for Threat in OBC.

dd. Missile and Munitions devotes 6 hours to Threat in OBC.

ee. Missile and Munitions indicates 8 hours required for Threat in OAC.

ff. Missile and Munitions indicates 5 hours required for Offensive Operations in OBC.

gg. Missile and Munitions indicates 5 hours required for Offensive Operations in OAC.

hh. Missile and Munitions indicates 5 hours required for Defensive Operations in OBC.

ii. Missile and Munitions indicates 9 hours required for Defensive Operations in OAC.

jj. Missile and Munitions indicates 2 hours required for Retrograde Operations in OAC.

kk. Missile and Munitions indicates 3 hours required for Reconnaissance and Security Operations in OAC.

ll. Missile and Munitions indicates 2 hours required for USA Operational Concepts in OBC.

mm. Missile and Munitions indicates 3 hours required for USA Operational Concepts in OAC.

nn. Missile and Munitions indicates 1 hour required for Engineer Operations in OBC.

oo. Missile and Munitions indicates 5 hours required for Engineer Operations in OAC.

pp. Missile and Munitions indicates 1 hour required for Army Aviation in OBC.

qq. Missile and Munitions devotes 1 hour to Army Aviation in OBC.

rr. Missile and Munitions indicates 3 hours required for Army Aviation in OAC.

ss. Missile and Munitions indicates 5 hours required for Transportation in OBC.

tt. Missile and Munitions indicates 18 hours required for Transportation in OAC.

uu. Missile and Munitions indicates 11 hours required for Manpower in OBC.

vv. Missile and Munitions indicates 6 hours required for Manpower in OAC.

ww. Missile and Munitions indicates 4 hours required for Special Environments in OAC.

xx. Missile and Munitions indicates 20 hours required for Rear Area Combat Operations in OBC.

yy. Missile and Munitions devotes 10 hours to RACO in OBC.

zz. Missile and Munitions devotes 12 hours to RACO in OBC.

aaa. Missile and Munitions indicates 12 hours required for RACO in OAC.

bbb. Infantry School indicates subject integrated throughout 419 hours of FTX's.

ccc. Infantry School indicates subject included in Defensive Operations.

ddd. Infantry School indicates subject emphasized throughout the course.

eee. Infantry School indicates 8 hours required for Defense in OBC.

fff. Infantry School devotes 3 hours to Defense in OBC.

ggg. Infantry School indicates 9 hours required for Defense in OAC.

hhh. Infantry School devotes 1 hour to Defense in OAC.

jjj. Infantry School indicates subject included in Patrolling.

ANNEX E

CONSOLIDATED CASS SURVEY DATA FOR COMBAT SUPPORT SCHOOLS

LEGEND

1) SL - Sufficiency Level

a) SL 1 - Fully Proficient

b) SL 2 - Working Knowledge

c) SL 3 - Familiarity

d) SL 4 - No Training Required

2) HR(S) - Hours Required to Attain Sufficiency Level

3) HR(P) - Hours Entirely Devoted to the Subject

4) HR(I) - Hours Subject is Integrated Into Other Subject Areas

COMBINED ARMS SUFFICIENCY STUDY UPDATE

COMBAT SUPPORT SERVICE SCHOOLS

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
1. Doctrinal Basics										
A. Principles of War	CGSC	LT	SL	2	LT SL	3	3	1	2	2.3
			HR(S)	2	HR(S)	0	2	2	2	1.5
					HR(P)	0	0	2	1	0.8
					HR(I)	0	0.5	0	0	
		CPT	SL	2	CPT SL	2	1	1	1	1.3
			HR(S)	2	HR(S)	2	6	3	3	3.5
					HR(P)	0	0.2	3	1	1.1
					HR(I)	0	1	0	1	
B. USA AirLand Battle Operational Concept	CGSC	LT	SL	1	LT SL	3	3	2	2	2.5
			HR(S)	4	HR(S)	4	4	28	6	10.5
					HR(P)	2.7	3.2	26	0.6	8.1
					HR(I)	1	0	2	0.6	
		CPT	SL	1	CPT SL	2	1	1	2	1.5
			HR(S)	4	HR(S)	4	10	25	5	11
					HR(P)	5	6.2	24	3	9.6
					HR(I)	3	1	1	0	
C. Organization/Preparation For Combat	IN/AR	LT	SL	2/2	LT SL	2	2	2	2	2
			HR(S)	4/12	HR(S)	21	10	4	6	10.3
					HR(P)	22.6	8	0	3	8.4
					HR(I)	0	2	4	3	
		CPT	SL	1	CPT SL	2	1	1	2	1.5
			HR(S)	18	HR(S)	3	16	6	4	7.3
					HR(P)	4	8	0	0	3
					HR(I)	0	4	6	2	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required						SC[j]	MP	MI	CM	CS MEAN
D. Force Modernization	CGSC	LT	SL	2	LT	SL		3	3	3	3	3
			HR(S)	4		HR(S)		2	0.5	1	1	1.1
						HR(P)		2	0.5	1	0.5	1
						HR(I)		1	0	0	0.5	
		CPT..	SL	1	CPT	SL		2	3	2	2	2.3
			HR(S)	4		HR(S)		12	2	0.5	2	4.1
						HR(P)		14	2	0.5	0	4.1
						HR(I)		1	0	0	2	
E. Strategic Deployment	CGSC	LT	SL	2	LT	SL		3	3	4	2	3
			HR(S)	17		HR(S)		0	1	0	1	0.5
						HR(P)		0	0	0	0.5	0.1
						HR(I)		0	0	0	0	
		CPT	SL	1	CPT	SL		3	3	4	2	3
			HR(S)	60		HR(S)		2	1	0	1	1
						HR(P)		35	0.2	0	0	8.8
						HR(I)		0	0	0	0	
2. Command, Control and Communications (C3)												
A. Staff Procedures in Combat	CGSC	LT	SL	2	LT	SL		3	2	2	2	2.3
			HR(S)	10		HR(S)		7	4	6	4	5.3
						HR(P)		2.7	0	2	0.5	1.3
						HR(I)		30	0	4	0.5	
		CPT	SL	1	CPT	SL		2	1	1	1	1.3
			HR(S)	15		HR(S)		2	6	12	8	7
						HR(P)		7	1	0	30	9.5
						HR(I)		14	0	12	0	
B. Decisionmaking	CGSC	LT	SL	2	LT	SL		3	2	1	2	2
			HR(S)	12		HR(S)		25	4	2	3	8.5
						HR(P)		0	4	0	3	1.8
						HR(I)		0	0	2	3	
		CPT	SL	1	CPT	SL		2	1	1	1	1.3
			HR(S)	8		HR(S)		2	6	3	5	4
						HR(P)		0	1	0	5	1.5
						HR(I)		0	1	3	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
C. Plans, Orders, Estimates, Graphics, Records, Reports	CGSC	LT	SL	2	LT SL	3	2	2	2	2.3
			HR(S)	12	HR(S)	10	16	58	10	23.5
					HR(P)	6.3	16	26	3	12.8
					HR(I)	12	2	32	3	
		CPT	SL	1	CPT SL	2	1	1	1	1.3
			HR(S)	12	HR(S)	4	16	144	10	43.5
					HR(P)	2	4	24	30	15
					HR(I)	2	3	120	0	
D. Command and Control Communications	CGSC	LT	SL	2	LT SL	2	2	3	2	2.3[b]
			HR(S)	6	HR(S)	233	2	5	3	4
					HR(P)	213.7	1	5	8	5
					HR(I)	20	0	0	8	
		CPT	SL	1	CPT SL	1	1	1	1	1[b]
			HR(S)	12	HR(S)	326	4	20	6	10.5
					HR(P)	240	3	0	0	3.8
					HR(I)	50	0	20	4	
E. Command, Control, and Communications Countermeasures (C^3CM)	CGSC	LT	SL	3	LT SL	3	1	2	3	2.3
			HR(S)	2	HR(S)	1	0.5	5	0.5	1.8
					HR(P)	0	0.5	5	0	1.4
					HR(I)	1	0	0	0	
		CPT	SL	3	CPT SL	3	1	1	1	1.5
			HR(S)	2	HR(S)	1	2	20	2	6.3
					HR(P)	0	2	0	0	0.5
					HR(I)	1	0	20	0.5	
F. Airspace Management	CGSC	LT	SL	4	LT SL	3	4	3	2	3
			HR(S)	0	HR(S)	5	0	0.5	1	1.6
					HR(P)	0	0.3	0	0	0.1
					HR(I)	0	0	0.5	0	
		CPT	SL	3	CPT SL	3	4	3	1	2.8
			HR(S)	4	HR(S)	0	0	0.5	0.5	0.3
					HR(P)	0	0.3	0	0	0.1
					HR(I)	0	0	0.5	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
3. Intelligence and Electronic Warfare										
A. Tactical Intelligence	MI	LT	SL	3	LT SL	3	2	1	2	2.5b
			HR(S)	2	HR(S)	0	2	119	2	1.5
					HR(P)	0	1	1	1	0.8
					HR(I)	0	0	118	1	
		CPT	SL	2	CPT SL	3	2	1	2	2.3b
			HR(S)	8	HR(S)	1	6	148	3	4.5
					HR(P)	0	1	1	5	1.8
					HR(I)	0	1	147	0	
B. Electronic Warfare										
(1) Electronic Warfare Support Measures (ESM)	MI	LT	SL	3	LT SL	3	3	2	2	2.8b
			HR(S)	1	HR(S)	1	1	135	2	1.3
					HR(P)	3.6	0.2	7	0.2	1.3
					HR(I)	0	0	128	0	
		CPT	SL	3	CPT SL	3	3	3	2	2.8b
			HR(S)	2	HR(S)	1	1	20	2	1.5
					HR(P)	24	0.5	0	0	6.13
					HR(I)	0	0	20	0.2	
(2) Electronic Countermeasures (ECM)	MI	LT	SL	3	LT SL	3	3	2	2	2.8b
			HR(S)	1	HR(S)	1	1	135	2	1.3
					HR(P)	1	0.2	7	0.6	0.7
					HR(I)	0	0	128	0.2	
		CPT	SL	3	CPT SL	3	3	3	2	2.8b
			HR(S)	2	HR(S)	1	1	20	2	1.5
					HR(P)	0	0.5	0	0	0.1
					HR(I)	1	0	20	0.2	
C. Intelligence Preparation Of The Battlefield (IPB)	MI	LT	SL	3	LT SL	3	3	1	2	2.8b
			HR(S)	1	HR(S)	0	1	54	0.5	0.6
					HR(P)	0	0.4	34	0	0.4
					HR(I)	0	0	20	0	
		CPT	SL	2	CPT SL	3	3	1	2	2.5b
			HR(S)	8	HR(S)	0	3	53	2	3.3
					HR(P)	0	0.4	33	2	2.6
					HR(I)	0	0	20	1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
D. Tactical All-Source Intelligence Production	MI	LT	SL	4	LT SL	3	3	1	2	3b
			HR(S)	0	HR(S)	0	0.5	119	0.5	0.3
					HR(P)	0	0.2	119	0	0.1
					HR(I)	0	0	0	0	
		CPT	SL	4	CPT SL	3	3	1	2	3b
			HR(S)	0	HR(S)	0	3	70	2	1.3
					HR(P)	0	0.5	70	0	0.1
					HR(I)	0	0	0	0.5	
(1) Signals Intelligence (SIGINT)	MI	LT	SL	3	LT SL	3	3	2	2	2.8b
			HR(S)	1	HR(S)	0	0.5	41	0.2	0.4
					HR(P)	0	0.2	21	0	0.3
					HR(I)	0	0	20	0	
		CPT	SL	3	CPT SL	3	3	2	2	2.8b
			HR(S)	1	HR(S)	0	1	31	1	0.8
					HR(P)	0	0.2	11	0	0.3
					HR(I)	0	0	20	0.1	
(2) Imagery Intelligence (IMINT)	MI	LT	SL	4	LT SL	3	3	2	2	3b
			HR(S)	0	HR(S)	0	0.5	17	0.2	0.2
					HR(P)	0	0.2	12	0	0.1
					HR(I)	0	0	5	0	
		CPT	SL	4	CPT SL	3	3	2	2	3b
			HR(S)	0	HR(S)	0	1	32	1	0.5
					HR(P)	0	0.2	12	0	0.1
					HR(I)	0	0	20	0.1	
(3) Human Intelligence (HUMINT)	MI	LT	SL	3	LT SL	3	2	2	2	2.5b
			HR(S)	1	HR(S)	0	2	8	0.2	0.8
					HR(P)	0	0.2	2	1	0.6
					HR(I)	0	0	6	1	
		CPT	SL	3	CPT SL	3	2	2	2	2.5b
			HR(S)	1	HR(S)	0	1	14	1	0.8
					HR(P)	0	0.2	8	0	0.3
					HR(I)	0	0	6	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(4) Tactical Counter-Intelligence (CI)	MI	LT	SL	3	LT SL	3	3	2	2	2.8b
			HR(S)	1	HR(S)	0	0.5	14	0.2	0.4
					HR(P)	0	0.1	14	0.1	0.3
					HR(I)	0	0	0	2	
		CPT	SL	3	CPT SL	3	3	1	2	2.8b
			HR(S)	1	HR(S)	0	1	18	2	1
					HR(P)	0	0.3	18	0	0.3
					HR(I)	0	0	0	0.1	
4. Air Defense										
A. Short Range AD System (SHORAD)	AD	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	2	HR(S)	0.2	2	1	1	1.1
					HR(P)	0	0	1	0.2	0.3
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	3	2	2	2	2.3
			HR(S)	4	HR(S)	1	2	1	1	1.3
					HR(P)	0	0.2	1	0.5	0.4
					HR(I)	0	0.2	0	0	
B. Manportable AD Systems	AD	LT	SL	2	LT SL	3	3	3	2	2.8
			HR(S)	2	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0	0.5	0.2	0.2
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	3	2	2	2	2.3
			HR(S)	2	HR(S)	1	1	0.5	1	0.9
					HR(P)	0	0.2	0.5	0.5	0.3
					HR(I)	0	0	0	0	
C. Non-Divisonal AD Systems	AD	LT	SL	3	LT SL	4	3	3	2	3
			HR(S)	1	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0	0.5	0	0.1
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	4	3	3	2	3
			HR(S)	1	HR(S)	0	1	0.5	2	0.9
					HR(P)	0	0.2	0.5	1	0.4
					HR(I)	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
D. Unit Active AD Measures	AD	LT	SL	2	LT SL	3	2	3	3	2.8
			HR(S)	2	HR(S)	0.5	1	0.5	1	0.8
					HR(P)	0.5	0	0.25	0.2	0.2
					HR(I)	0.5	0	0.25	0.3	
		CPT	SL	1	CPT SL	3	1	2	2	2
			HR(S)	2	HR(S)	0	1	0.5	2	0.9
					HR(P)	0	0	0.25	0	0.1
					HR(I)	0.5	0	0.25	0.5	
E. Unit Passive AD Measures	AD	LT	SL	2	LT SL	3	2	3	3	2.8
			HR(S)	4	HR(S)	1	2	1	1	1.3
					HR(P)	1	4	0.25	0.2	1.4
					HR(I)	0.5	0.5	0.25	0.3	
		CPT	SL	1	CPT SL	2	1	1	2	1.5
			HR(S)	4	HR(S)	2	2	2	2	2
					HR(P)	0	0	0.25	0	0.1
					HR(I)	1	0.5	0.25	0.5	
F. AD Priority Support In AirLand Battle	AD	LT	SL	2	LT SL	4	3	3	3	3.3
			HR(S)	3	HR(S)	0	0.5	0.5	2	0.8
					HR(P)	0	0.2	0	0	0.1
					HR(I)	0	0	0.5	0	
		CPT	SL	2	CPT SL	4	3	3	1	2.8
			HR(S)	3	HR(S)	0	0.5	0.5	2	0.8
					HR(P)	0	0.5	0	0.8	0.3
					HR(I)	0	0.4	0.5	0	
G. AD Land Space Requirements In MBA and CFA	AD	LT	SL	2	LT SL	4	4	3	3	3.5
			HR(S)	1	HR(S)	0	0	0.5	1	0.4
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	
		CPT	SL	1	CPT SL	4	4	3	1	3
			HR(S)	2	HR(S)	0	0	0.5	2	0.6
					HR(P)	0	0	0	0.2	0.1
					HR(I)	0	0	0.5	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
5. Close Combat										
A. Tactical Basics										
(1) Battlefield Movement	IN/AR	LT	SL	1/2	LT SL	3	2	2	2	2.3
			HR(S)	40/8	HR(S)	4	12	42	4	15.5
					HR(P)	0	12	2	4	4.5
					HR(I)	0	4	40	0	
		CPT	SL	1/2	CPT SL	3	1	1	2	1.8
			HR(S)	20/12	HR(S)	0	16	2	4	5.5
					HR(P)	0	8	0	0	2
					HR(I)	0	2	2	1	
(2) Operations Security	CGSC	LT	SL	1	LT SL	2	2	2	2	2
			HR(S)	3	HR(S)	1	3	48	2	13.5
					HR(P)	2.7	2	16	1	5.4
					HR(I)	2	0	32	1	
		CPT	SL	1	CPT SL	2	1	1	1	1.3
			HR(S)	2	HR(S)	3	4	3.5	3	3.4
					HR(P)	2	2	3	1	2
					HR(I)	3	0	0.5	0	
(3) Signal Security (SIGSEC)	MI/SC	LT	SL	2/2	LT SL	3	3	1	2	2.5[b]
			HR(S)	5/3	HR(S)	1	2	5	1	2.3
					HR(P)	3.5	0.2	3	0.2	1.7
					HR(I)	1	0	2	2	
		CPT	SL	2/2	CPT SL	2	2	1	2	2[b]
			HR(S)	5/4	HR(S)	15	4	1	2	3
					HR(P)	24	0.5	1	0.5	6.5
					HR(I)	1	0	0	1.5	
(4) Passage of Lines	IN/AR	LT	SL	2/2	LT SL	3	2	2	2	2.3
			HR(S)	2/2	HR(S)	0	1	2	2	1.3
					HR(P)	0	1	1	0.5	0.6
					HR(I)	0	0.2	1	0.5	
		CPT	SL	2/2	CPT SL	3	2	2	2	2.3
			HR(S)	2/2	HR(S)	0.5	1	1	2	1.1
					HR(P)	0	1	1	0	0.5
					HR(I)	0	0.2	0	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(5) Operations During Limited Visibility And Night Operations	IN/AR	LT	SL	2/3	LT SL	3	2	1	2	2
			HR(S)	80/12	HR(S)	1	8	38	10	14.3
					HR(P)	0	8	2	2	3
					HR(I)	0	5	36	13	
		CPT	SL	2/2	CPT SL	3	1	1	1	1.5
			HR(S)	40/18	HR(S)	0.5	4	1	14	4.9
					HR(P)	0	4	0	0	1
					HR(I)	0	3	1	0.5	
(6) Smoke Operations	FA/CM	LT	SL	2	LT SL	3	3	3	1	2.5
			HR(S)	4	HR(S)	0	2	2	75	2
					HR(P)	0.2	4	2	93	2.6
					HR(I)	0.4	0	0	0.2	
		CPT	SL	2	CPT SL	3	2	2	1	2
			HR(S)	4	HR(S)	0	2	7	30	3.3
					HR(P)	1	0	5	15	5.3
					HR(I)	0.4	0	2	5	
(7) Patrolling	IN	LT	SL	2	LT SL	3	2	1	2	2
			HR(S)	40	HR(S)	0	12	46	4	15.5
					HR(P)	0	16	6	16	9.5
					HR(I)	0	0	40	48	
		CPT	SL	2	CPT SL	3	1	1	2	1.8
			HR(S)	1	HR(S)	0	2	0	3	1.3
					HR(P)	0	0	0	2	0.5
					HR(I)	0	0	0	0	
B. Threat										
(1) Mission and Role of Threat Armed Forces	CACDA	LT	SL	2	LT SL	3	3	2	2	2.5
			HR(S)	0.5	HR(S)	0.5	1	1	2	1.1
					HR(P)	0.5	2	1	0.3	0.9
					HR(I)	2	0	0	0.2	
		CPT	SL	1	CPT SL	3	2	2	2	2.3
			HR(S)	1	HR(S)	2	2	1	2	1.8
					HR(P)	2	2	1	2	1.8
					HR(I)	3	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(2) Organization/Equipment	CACDA	LT	SL	1	LT SL	3	3	1	2	2.3b
			HR(S)	2	HR(S)	0.5	2	15	1	1.4
					HR(P)	0.5	1	10	4	1.9
					HR(I)	1	0	5	1	
		CPT	SL	1	CPT SL	3	2	1	1	1.8b
			HR(S)	3	HR(S)	1	4	15	4	3
					HR(P)	2	1	10	4	2.5
					HR(I)	1	0	5	0	
(3) Offensive Operations	CACDA	LT	SL	1	LT SL	3	3	1	2	2.3b
			HR(S)	2	HR(S)	0.5	1	9	3	1.6
					HR(P)	0.5	0.5	8	0.5	0.9
					HR(I)	1	0	1	0	
		CPT	SL	1	CPT SL	3	2	1	1	1.8b
			HR(S)	4	HR(S)	0	4	9	4	3
					HR(P)	1	1	8	4	2.5
					HR(I)	1	0	1	0	
(4) Defensive Operations	CACDA	LT	SL	2	LT SL	3	3	1	2	2.5b
			HR(S)	0.5	HR(S)	0.5	1	5	3	1.3
					HR(P)	0.5	0	4	0.5	0.4
					HR(I)	1	0	1	0	
		CPT	SL	1	CPT SL	3	2	1	1	1.8b
			HR(S)	1	HR(S)	0	4	5	2	1.8
					HR(P)	1	0	4	2	1
					HR(I)	2	0	1	0	
(5) Combat Support	CACDA	LT	SL	2	LT SL	3	3	1	2	2.5b
			HR(S)	1	HR(S)	3	3	50	4	2.8
					HR(P)	0.5	3	12	0.5	1.3
					HR(I)	1	0	38	0	
		CPT	SL	1	CPT SL	2	2	1	1	1.5b
			HR(S)	2	HR(S)	5	4	25	5	4
					HR(P)	4	3	9	5	3.5
					HR(I)	2	0	16	0	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(6) Special Operations	CACDA	LT	SL	2	LT SL	3	3	2	2	2.5b
			HR(S)	1	HR(S)	0.5	2	5	1	1.1
					HR(P)	0.4	1	5	0	0.6
					HR(I)	1	0	0	0	
		CPT	SL	1	CPT SL	3	2	1	2	2b
			HR(S)	2	HR(S)	0.5	4	5	0.5	1.8
					HR(P)	0	2	5	0	1
					HR(I)	1	0	0	0.5	
C. Offensive Operations										
(1) Doctrine (Concepts) and Fundamentals	IN/AR	LT	SL	1/2	LT SL	3	3	2	2	2.5
			HR(S)	12/4	HR(S)	1	4	3	3	2.8
					HR(P)	0	6	2	0.7	2.2
					HR(I)	0	0	1	0	
		CPT	SL	1/2	CPT SL	3	2	1	1	1.8
			HR(S)	8/6	HR(S)	5	6	1	4	4
					HR(P)	0	6	1	3.5	2.6
					HR(I)	0	0	0	0	
(2) Movement to Contact	IN/AR	LT	SL	1/3	LT SL	3	2	2	2	2.3
			HR(S)	12/8	HR(S)	0	2	2	0.5	1.1
					HR(P)	2.6	1	2	0.5	1.5
					HR(I)	1	0.2	0	0	
		CPT	SL	1/2	CPT SL	3	1	1	2	1.8
			HR(S)	8/12	HR(S)	0.5	4	1	1	1.6
					HR(P)	3	1	1	0.5	1.4
					HR(I)	2	0.5	0	0	
(3) Hasty Attack	IN/AR	LT	SL	1/3	LT SL	3	2	2	2	2.3
			HR(S)	12/8	HR(S)	0	2	1	0.5	0.9
					HR(P)	0	1	1	0.5	1.4
					HR(I)	0	0.5	0	0	
		CPT	SL	1/2	CPT SL	3	1	1	2	1.8
			HR(S)	8/12	HR(S)	0.5	2	1	1	1.1
					HR(P)	0	6	1	0.5	1.9
					HR(I)	0	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(4) Deliberate Attack	IN/AR	LT	SL	1/2	LT SL	3	2	2	2	2.3
			HR(S)	12/8	HR(S)	0	4	1	1	1.5
					HR(P)	0	8	1	2.3	2.8
					HR(I)	0	0	0	0	
		CPT	SL	1/2	CPT SL	3	1	1	2	1.8
			HR(S)	1/12	HR(S)	0.5	4	1	1	1.6
					HR(P)	0	4	1	0.5	1.4
					HR(I)	0	0	0	0	
(5) Exploitation	IN/AR	LT	SL	2/3	LT SL	3	3	2	2	2.5
			HR(S)	8/8	HR(S)	0	0.5	1	0.5	0.5
					HR(P)	0	0.5	1	0.4	0.5
					HR(I)	0	0	0	0	
		CPT	SL	2/3	CPT SL	3	2	1	2	2
			HR(S)	8/12	HR(S)	0.5	0.5	1	1	0.8
					HR(P)	0	5	1	0.5	1.6
					HR(I)	0	0	0	0	
(6) Pursuit	IN/AR	LT	SL	2/3	LT SL	3	3	2	2	2.5
			HR(S)	8/8	HR(S)	0	0.5	1	0.5	0.5
					HR(P)	0	5	1	0.4	1.6
					HR(I)	0	0	0	0	
		CPT	SL	2/3	CPT SL	3	2	1	2	2
			HR(S)	8/12	HR(S)	0.5	0.5	1	1	0.8
					HR(P)	0	0.5	1	0.5	0.5
					HR(I)	0	0	0	0	
(7) Approach (Relief) of Encircled Forces	IN/AR	LT	SL	2/3	LT SL	3	3	4	2	3
			HR(S)	6/8	HR(S)	0	1	0	0.5	0.4
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT	SL	2/3	CPT SL	3	2	3	2	2.5
			HR(S)	8/12	HR(S)	0.5	1	0	1	0.6
					HR(P)	0	0	0	0.5	0.1
					HR(I)	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(8) Reconnaissance in Force	IN/AR	LT	SL	2/3	LT SL	3	4	4	2	3.3
			HR(S)	4/8	HR(S)	0	0	0	0.5	0.2
					HR(P)	0	0	0	0.4	0.1
					HR(I)	0	0	0	0	
		CPT	SL	2/3	CPT SL	3	4	3	2	3
			HR(S)	4/12	HR(S)	0.5	0	0	1	0.4
					HR(P)	0	0	0	0.5	0.1
					HR(I)	0	0	0	0	
D. Defensive Operations										
(1) Doctrine (Concepts) and Fundamentals										
(a) Covering Force Area	IN/AR	LT	SL	1/2	LT SL	3	3	2	2	2.5
			HR(S)	1/1	HR(S)	k	2	2	2	2
					HR(P)	0	0	2	1	0.8
					HR(I)	1	0	0	0	
		CPT	SL	1/2	CPT SL	3	2	1	1	1.8
			HR(S)	2/2	HR(S)	k	2	2	2	2
					HR(P)	m	1	2	1	1
					HR(I)	n	1	0	0	
(b) Main Battle Area	IN/AR	LT	SL	1/2	LT SL	3	3	2	2	2.5
			HR(S)	1/1	HR(S)	k	4	2	2	2.7
					HR(P)	0	0.5	2	1	1.2
					HR(I)	1	0.2	0	0	
		CPT	SL	1/2	CPT SL	3	2	1	1	1.8
			HR(S)	2/2	HR(S)	k	6	2	3	3.7
					HR(P)	m	2	2	1	1.7
					HR(I)	n	0.2	0	0	
(c) Rear Area	IN/AR	LT	SL	1/2	LT SL	3	2	2	2	2.3
			HR(S)	1/1	HR(S)	k	4	2	2	2.7
					HR(P)	0	14	2	1	
					HR(I)	1	3	0	0	
		CPT	SL	1/2	CPT SL	3	2	1	1	1.8
			HR(S)	2/2	HR(S)	k	6	2	2	3.3
					HR(P)	m	2	2	1	1.7
					HR(I)	n	3	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[J]	MP	MI	CM	CS MEAN
(2) Defense in Sector	IN/AR	LT	SL	1/3	LT SL	3	3	2	2	2.5
			HR(S)	8/4	HR(S)	0	0.5	2	4	1.6
					HR(P)	0	0	2	0.5	0.6
					HR(I)	0	0	0	0	
		CPT	SL	1/2	CPT SL	3	2	1	1	1.8
			HR(S)	9/6	HR(S)	1	0.5	2	1	1.1
					HR(P)	0	1	2	0.5	0.9
					HR(I)	0	0	0	0	
(3) Defense from Battle Positions										
(a) Linear	IN/AR	LT	SL	1/3	LT SL	3	3	3	2	2.8
			HR(S)	6/4	HR(S)	0	1	4	1	1.5
					HR(P)	0	0.5	4	0.4	1.2
					HR(I)	0	0	0	0	
		CPT	SL	1/3	CPT SL	3	2	2	2	2.3
			HR(S)	4/6	HR(S)	0	0.5	4	0.5	1.3
					HR(P)	0	1	4	0.1	1.3
					HR(I)	0	0	0	0	
(b) Perimeter	IN/AR	LT	SL	1/3	LT SL	3	2	3	2	2.5
			HR(S)	6/4	HR(S)	1	8	5	1	3.8
					HR(P)	0	9	0	0.3	0.1
					HR(I)	0	0	5	0	
		CPT	SL	1/3	CPT SL	3	1	2	2	2
			HR(S)	4/6	HR(S)	1	16	0.2	0.5	4.4
					HR(P)	0	17	0	0.1	0
					HR(I)	0	0	0.2	0	
(4) Defense In-Depth	IN/AR	LT	SL	1/3	LT SL	3	3	3	2	2.8
			HR(S)	6/4	HR(S)	0.5	1.5	2	1	1.3
					HR(P)	0	0.5	2	0.3	0.7
					HR(I)	0	0	0	0	
		CPT	SL	1/3	CPT SL	3	2	2	2	2.3
			HR(S)	4/6	HR(S)	0	4	2	0.5	1.6
					HR(P)	0	3	2	0.1	1.3
					HR(I)	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(5) Strong Points	IN/AR	LT	SL	1/3	LT SL	3	3	3	2	2.8
			HR(S)	2/2	HR(S)	0	0.5	1	1	0.6
					HR(P)	0	0	1	0.5	0.4
					HR(I)	0	0	0	0	
		CPT	SL	1/3	CPT SL	3	2	2	2	2.3
			HR(S)	4/2	HR(S)	0	0.5	1	1	0.6
					HR(P)	0	1	1	0.1	0.5
					HR(I)	0	0	0	0	
(6) Counterattack	IN/AR	LT	SL	1/3	LT SL	3	3	3	2	2.8
			HR(S)	4/2	HR(S)	0	1	1	2	1
					HR(P)	0	0.5	1	0.5	0.5
					HR(I)	0	0	0	0	
		CPT	SL	1/3	CPT SL	3	2	2	2	2.3
			HR(S)	6/2	HR(S)	0	1	1	1	0.8
					HR(P)	0	1	1	0.5	0.6
					HR(I)	0	0	0	0	
(7) Breakout/Linkup	IN/AR	LT	SL	2/3	LT SL	3	3	3	2	2.8
			HR(S)	4/2	HR(S)	0	1	0.5	2	0.9
					HR(P)	0	0	0.5	0	0.1
					HR(I)	0	0	0	0	
		CPT	SL	1/2	CPT SL	3	2	2	2	2.3
			HR(S)	6/2	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0	0.5	0.2	0.2
					HR(I)	0	0	0	0	
E. Retrograde Operations										
(1) Delay	IN/AR	LT	SL	1/2	LT SL	3	3	3	2	2.8
			HR(S)	6/2	HR(S)	0.3	0.5	2	1	0.9
					HR(P)	0.3	0	2	0.2	0.6
					HR(I)	0.5	0	0	0.2	
		CPT	SL	1/2	CPT SL	3	2	2	2	2.3
			HR(S)	6/2	HR(S)	1	1	2	1	1.3
					HR(P)	0	0.5	2	0	0.6
					HR(I)	0.5	0	0	0.2	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(2) Withdrawal	IN/AR	LT	SL	1/3	LT SL	3	3	3	2	2.8
			HR(S)	4/2	HR(S)	0.3	0.5	1	1	0.7
					HR(P)	0.4	0	1	0.2	0.4
					HR(I)	0.5	0	0	0	
		CPT	SL	1/3	CPT SL	3	2	2	2	2.3
			HR(S)	4/2	HR(S)	1	1	1	1	1
					HR(P)	0	0.5	1	0	0.4
					HR(I)	0.5	0.2	0	0.2	
(3) Retirement	IN/AR	LT	SL	3/3	LT SL	3	4	3	2	3
			HR(S)	2/2	HR(S)	0.3	0	1	0.2	0.4
					HR(P)	0	0	1	0.2	0.3
					HR(I)	0	0	0	0	
		CPT	SL	3/3	CPT SL	3	4	2	2	2.8
			HR(S)	2/2	HR(S)	1	0	1	5	1.8
					HR(P)	0	0	1	0	0.3
					HR(I)	0	0	0	0.2	
F. Reconnaissance and Security Operations										
(1) Doctrine (Concepts) and Fundamentals	AR	LT	SL	2	LT SL	3	3	3	2	2.8
			HR(S)	4	HR(S)	0	2	0.25	2	1.1
					HR(P)	0	0	0.25	0.1	0.1
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	3	3	2	2	2.5
			HR(S)	6	HR(S)	1	2	0.25	2	1.3
					HR(P)	0	1	0.25	0	0.3
					HR(I)	0	0	0	0.2	
(2) Reconnaissance	AR	LT	SL	3	LT SL	3	2	3	2	2.5
			HR(S)	1	HR(S)	0	10	0.25	3	3.3
					HR(P)	0	8	0.25	0.1	2.1
					HR(I)	0	0.2	0	0	
		CPT	SL	2	CPT SL	3	1	1	2	1.8
			HR(S)	1	HR(S)	0	6	0.25	2	2.1
					HR(P)	0	0	0.25	0	0.1
					HR(I)	0	0.3	0	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[1]	MP	MI	CM	CS MEAN
(3) Security	AR	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	1	0.25	1	0.6
					HR(P)	0	1	0.25	0	0.3
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	3	3	1	2	2.3
			HR(S)	1	HR(S)	0	1	0.25	1	0.6
					HR(P)	0	0	0.25	0	0.1
					HR(I)	0	0	0	0.1	
(4) Economy of Force	AR	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	1	0.25	0.5	0.4
					HR(P)	0	0	0.25	0	0.1
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	3	3	2	2	2.5
			HR(S)	1	HR(S)	0	1	0.25	1	0.6
					HR(P)	0	0	0.25	0	0.1
					HR(I)	0	0	0	0.1	
(5) Division 86 Cavalry Operations	AR	LT	SL	3	LT SL	4	4	3	2	3.3
			HR(S)	1	HR(S)	0	0	0.5	2	0.6
					HR(P)	0	0	0.5	0	0.1
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	4	3	2	2	2.8
			HR(S)	1	HR(S)	0	1	0	2	0.8
					HR(P)	0	1	0	0	0.3
					HR(I)	0	0	0	0.2	
6. Fire Support										
A. Indirect Fire Support										
(1) Request and Adjust Fire	FA	LT	SL	1	LT SL	3	2	1	2	2
			HR(S)	14	HR(S)	1	12	2	8	5.8
					HR(P)	2.7	9	1	4	4.2
					HR(I)	0	0	1	4	
		CPT	SL	1	CPT SL	3	2	1	1	1.8
			HR(S)	12	HR(S)	1	12	0	4	4.3
					HR(P)	4	8	0	6	4.5
					HR(I)	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(2) FA Organization, Command and Control	FA	LT	SL	3	LT SL	3	2	3	1	2.3
			HR(S)	1	HR(S)	0.5	2	2	4	2.1
					HR(P)	0	10	2	0.5	3.1
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	3	2	2	1	2
			HR(S)	1	HR(S)	1	3	5	5	3.5
					HR(P)	0	1	5	2.8	2.2
					HR(I)	0	0	0	0	
(3) FA Priority Support in AirLand Battlefield	FA	LT	SL	4	LT SL	4	3	3	3	3.3
			HR(S)	0	HR(S)	0	1	1	2	1
					HR(P)	0	0.5	1	0	0.4
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	4	3	3	1	2.8
			HR(S)	1	HR(S)	0	1	1	1	0.8
					HR(P)	0	1.5	1	0.5	0.8
					HR(I)	0	0	0	0	
(4) FA Land Space Requirements In MBA/CFA	FA	LT	SL	4	LT SL	4	4	3	3	3.5
			HR(S)	0	HR(S)	0	0	2	1	0.8
					HR(P)	0	1	2	0	0.8
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	4	4	3	1	3
			HR(S)	1	HR(S)	0	0	2	1	0.8
					HR(P)	0	1	2	0	0.8
					HR(I)	0	0	0	0.2	
B. Close Air Support (CAS AND BAI)	CGSC	LT	SL	3	LT SL	3	3	2	2	2.5
			HR(S)	2	HR(S)	2	3	3	1	2.3
					HR(P)	0	3	1.5	0.2	1.6
					HR(I)	0	2	1.5	0.3	
		CPT	SL	2	CPT SL	3	2	2	1	2
			HR(S)	4	HR(S)	1	3	2	3	2.3
					HR(P)	0	1	1	0.5	0.8
					HR(I)	0	2	1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
C. Suppression of Enemy AD (SEAD)	CGSC	LT	SL	4	LT SL	4	3	3	2	3
			HR(S)	0	HR(S)	0	0.5	0.5	1	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0.1	
		CPT	SL	3	CPT SL	4	3	2	2	2.8
			HR(S)	2	HR(S)	0	1	0.5	0.5	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	1	0.5	0.1	
D. Nuclear and Chemical Weapons Employment (Consolidated Entry--See Annex H, Appendix 3)	CGSC/FA/CM	LT	SL		LT SL	3	3	3	1	2.5
			HR(S)		HR(S)	6.4	44.5	37.75	208	74.2
					HR(P)	3.6	11.2	18.75	163.2	49.2
					HR(I)	1.6	0	20.5	40.5	
		CPT	SL		CPT SL	3	3	2	1	2.3
			HR(S)		HR(S)	38	59.5	102.25	402	105.4
					HR(P)	17.4	22.2	28.75	219	71.8
					HR(I)	1.6	0	74.5	50	
7. Engineer Operations (Combat Support)										
A. Mobility	EN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	4	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	1	0	0.5	0.4
					HR(I)	0	0	0.5	0.5	
		CPT	SL	3	CPT SL	3	3	3	1	2.5
			HR(S)	4	HR(S)	1	1	0.5	3	1.4
					HR(P)	0	2	0	1	0.8
					HR(I)	0	0	0.5	0	
B. Countermobility	EN	LT	SL	3	LT SL	4	3	3	2	3
			HR(S)	4	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0.5	0	0.5	0.3
					HR(I)	0	0	0.5	0.5	
		CPT	SL	3	CPT SL	4	3	3	1	2.8
			HR(S)	4	HR(S)	0	[illegible]	0.5	3	1.1
					HR(P)	0	0.5	0	2.5	0.8
					HR(I)	0	0	0.5	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
C. Survivability	EN	LT	SL	3	LT SL	4	3	3	2	3
			HR(S)	4	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0.2	0	0	0.1
					HR(I)	0	0	0.5	0	
		CPT	SL	3	CPT SL	4	3	3	2	3
			HR(S)	4	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0.5	0	1	0.4
					HR(I)	0	0	0.5	0	
D. General Engineering	EN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	1	0.5	1	0.6
					HR(P)	0	0.2	0	0.3	0.1
					HR(I)	0	0	0.5	0	
		CPT	SL	3	CPT SL	3	3	3	1	2.5
			HR(S)	2	HR(S)	1	1	0.5	2	1.1
					HR(P)	0	0.2	0	0.2	0.1
					HR(I)	0	0	0.5	0	
8. Army Aviation										
A. Combat Aviation	AV	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	2	HR(S)	0.2	1	1	2	1.1
					HR(P)	0	2	0.5	0.2	0.7
					HR(I)	0.5	0	0.5	0	
		CPT	SL	2	CPT SL	3	3	3	2	2.8
			HR(S)	6	HR(S)	1	1	1	3	1.5
					HR(P)	2	1	0.5	2	1.4
					HR(I)	1	0.5	0.5	0	
B. Combat Support Aviation	AV	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	3	HR(S)	0.2	1	0.5	1	0.7
					HR(P)	0	0.2	0.5	0.1	0.2
					HR(I)	0.5	0	0	0	
		CPT	SL	2	CPT SL	3	3	3	2	2.8
			HR(S)	7	HR(S)	2	1	0.5	2	1.4
					HR(P)	2	0.2	0.5	0.5	0.8
					HR(I)	1	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
C. Combat Service Support Aviation	AV	LT	SL	3	LT SL	3	3	4	2	3
			HR(S)	2.5	HR(S)	0.3	1	0	1	0.6
					HR(P)	0	0.2	0	0	0.1
					HR(I)	0.5	0	0	0.1	
		CPT	SL	2	CPT SL	3	3	3	2	2.8
			HR(S)	7	HR(S)	0	1	0	2	0.8
					HR(P)	4	0.2	0	0.5	1.2
					HR(I)	1	0.5	0	0	
9. Combat Service Support										
A. Logistics Operations										
(1) Supply	QM	LT	SL	3	LT SL	2	2	2	2	2
			HR(S)	11	HR(S)	19	34	20	10	20.8
					HR(P)	16.7	6	20	20	15.7
					HR(I)	2	0	0	5	
		CPT	SL	3	CPT SL	2	2	2	1	1.8
			HR(S)	25	HR(S)	23	34	21	8	21.5
					HR(P)	32	0	21	6	14.8
					HR(I)	10	0	0	0	
(2) Ammunition Support Structure and Requisitioning	MM	LT	SL	2	LT SL	4	3	3	2	3
			HR(S)	4	HR(S)	0	1	0.5	2	0.9
					HR(P)	0	0	0	2	0.5
					HR(I)	0	0	0.5	0	
		CPT	SL	2	CPT SL	4	2	3	2	2.8
			HR(S)	2	HR(S)	0	1	0	2	0.8
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	1	
(3) Ammunition Supply Rates and DAO Functions	MM	LT	SL	3	LT SL	4	3	4	2	3.3
			HR(S)	2	HR(S)	0	0.5	0	3	0.9
					HR(P)	0	0	0	0.5	0.1
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	4	3	3	1	2.8
			HR(S)	1	HR(S)	0	0.5	0	3	0.9
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
B. Transportation Operations										
(1) Convoy Operations	TC	LT	SL	2	LT SL	3	2	4	2	2.8
			HR(S)	4	HR(S)	1	14	0	1	4
					HR(P)	2.7	4	0	0	1.7
					HR(I)	2	0	0	0.5	
		CPT	SL	2	CPT SL	3	1	2	2	2
			HR(S)	1	HR(S)	1	20	0	3	6
					HR(P)	0	4	0	0	1
					HR(I)	0.5	0	0	0	
(2) Movement Control	TC	LT	SL	2	LT SL	3	3	4	2	3
			HR(S)	2	HR(S)	0	4	0	1	1.3
					HR(P)	0	1	0	0	0.3
					HR(I)	0	0	0	0.5	
		CPT	SL	2	CPT SL	3	2	3	2	2.5
			HR(S)	1	HR(S)	0	4	0	2	1.5
					HR(P)	0	2	0	0	0.5
					HR(I)	0	0	0	0	
C. Field Services Operations	QM	LT	SL	3	LT SL	3	2	4	2	2.3
			HR(S)	3	HR(S)	0	2	0	1	0.8
					HR(P)	0	4	0	0	1
					HR(I)	0	0	0	0.1	
		CPT	SL	3	CPT SL	3	2	3	2	2.5
			HR(S)	4	HR(S)	0	2	0	1	0.8
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0.2	
D. Maintenance Operations										
(1) Recovery/Evacuation	OD	LT	SL	3	LT SL	3	2	2	2	2.3
			HR(S)	4	HR(S)	0.3	1	2	1	1.1
					HR(P)	0	2	2	0	1
					HR(I)	0	0	0	0.5	
		CPT	SL	2	CPT SL	3	2	1	2	2
			HR(S)	3	HR(S)	2	1	1	2	1.5
					HR(P)	0	0	1	0	0.3
					HR(I)	0	0	0	0.5	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(2) Command and Staff Management of Preventive Maintenance	OD	LT	SL	2	LT SL	3	2	2	2	2.3
			HR(S)	4	HR(S)	0.7	2	3	1	1.7
					HR(P)	0.4	0	2	1	0.9
					HR(I)	2	0	1	0	
		CPT	SL	1	CPT SL	3	2	1	2	2
			HR(S)	3	HR(S)	2	2	3	1	2
					HR(P)	24	0	3	4	7.8
					HR(I)	2	0	0	0	
(3) The Army Maintenance Management System TAMMS)	OD	LT	SL	3	LT SL	2	2	2	2	2
			HR(S)	3	HR(S)	11	15	4	2	8
					HR(P)	11	16	4	6	9.3
					HR(I)	1	0	0	0	
		CPT	SL	2	CPT SL	2	2	1	1	1.5
			HR(S)	4	HR(S)	9	15	3	3	7.5
					HR(P)	5	14	3	3	6.3
					HR(I)	1	0	0	0	
E. Personnel and Administration Operations										
(1) Manpower Accountability	SSC	LT	SL	2	LT SL	3	2	3	2	2.5
			HR(S)	4	HR(S)	0	1	1	0.5	0.6
					HR(P)	0	0	1	0	0.3
					HR(I)	0	0	0	0.1	
		CPT	SL	1	CPT SL	3	1	2	2	2
			HR(S)	6	HR(S)	1	2	1	1	1.3
					HR(P)	0	0	1	0	0.3
					HR(I)	0	0	0	0.5	
(2) Casualty Reporting	SSC	LT	SL	2	LT SL	3	2	3	2	2.5
			HR(S)	2	HR(S)	0	1	0.5	0.5	0.5
					HR(P)	0	1	0	0	0.3
					HR(I)	0	0	0.5	0.1	
		CPT	SL	2	CPT SL	3	1	3	2	2.3
			HR(S)	2	HR(S)	0	2	0.5	1	0.9
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	

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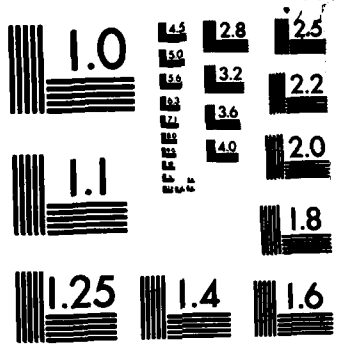

MICROCOPY RESOLUTION TEST CHART
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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[J]	MP	MI	CM	CS MEAN
(3) Replacements	SSC	LT	SL	2	LT SL	3	2	3	2	2.5
			HR(S)	4	HR(S)	0	1	0.5	0.5	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	
		CPT	SL	2	CPT SL	3	1	2	2	2
			HR(S)	4	HR(S)	0	2	0.5	1	0.9
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	
F. Medical Services										
(1) First Aid	AHS	LT	SL	1	LT SL	2	2	2	2	2
			HR(S)	4	HR(S)	8	8	2	8	6.5
					HR(P)	7.7	10	0	4	5.4
					HR(I)	0.5	0	2	2	
		CPT	SL	1	CPT SL	2	2	2	2	2
			HR(S)	4	HR(S)	3	8	1	8	5
					HR(P)	5	0	0	0	1.3
					HR(I)	0.5	0	1	3	
(2) Medical Evacuation	AHS	LT	SL	2	LT SL	3	2	2	2	2.3
			HR(S)	2	HR(S)	0	2	1	1	1
					HR(P)	0	0.2	1	1	0.6
					HR(I)	0	0	1	1	
		CPT	SL	1	CPT SL	3	2	2	2	2.3
			HR(S)	2	HR(S)	0	2	0	2	1
					HR(P)	0	0.2	0	0	0.1
					HR(I)	0	0	0	0.2	
G. Reconstitution of Ineffective Units	LOGCEN	LT	SL	2	LT SL	4	2	3	3	3
			HR(S)	2	HR(S)	0	1	1	0.5	0.6
					HR(P)	0	1	0	0	0.3
					HR(I)	0	0	1	0	
		CPT	SL	1	CPT SL	3	2	2	2	2.3
			HR(S)	4	HR(S)	1	1	1	1	1
					HR(P)	0	2	0	0	0.5
					HR(I)	0	5	1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[1]	MP	MI	CM	CS MEAN
10. Special/Other Operations										
A. Low Intensity Conflict										
(1) Counterinsurgency Operations	IN	LT	SL	3	LT SL	3	2	3	2	2.5
			HR(S)	4	HR(S)	0	8	1	1	2.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	1	0	
		CPT	SL	3	CPT SL	3	2	2	2	2.3
			HR(S)	4	HR(S)	0	8	1	1	2.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	1	0	
(2) Counterterror Operations	MP/IMA/CGSC	LT	SL	2/3	LT SL	3	2	2	2	2.3
			HR(S)	20/1	HR(S)	0	20	4	1	6.3
					HR(P)	0	6	4	0	2.5
					HR(I)	0	0	0	0	
		CPT	SL	1/2	CPT SL	3	1	2	2	2
			HR(S)	36/2	HR(S)	0	36	8	1	11.3
					HR(P)	0	32	8	0	10
					HR(I)	0	0	0	0	
(3) Foreign Internal Defense	IMA	LT	SL	3	LT SL	4	4	4	4	4
			HR(S)	1	HR(S)	0	0	0	0	0
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT	SL	2	CPT SL	4	4	3	3	3.5
			HR(S)	2	HR(S)	0	0	0	0.5	0.1
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
B. Special Forces Operations	IMA	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	1	0.5	0.5	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	
		CPT	SL	2	CPT SL	3	3	2	2	2.5
			HR(S)	2	HR(S)	0	1	0.5	1	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0.5	0	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
C. Unconventional Warfare	IMA	LT SL	3	LT	SL	3	4	4	3	3.3
		HR(S)	1		HR(S)	0	0	0	1	0.3
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT SL	2	CPT	SL	3	4	3	2	2.7
		HR(S)	2		HR(S)	1	0	0	1	0.7
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
D. Psychological Operations	IMA	LT SL	3	LT	SL	3	3	4	3	3.3
		HR(S)	1		HR(S)	0	1	0	1	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT SL	2	CPT	SL	3	3	3	2	2.8
		HR(S)	2		HR(S)	0	1	0	1	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
E. Civil Affairs	IMA	LT SL	3	LT	SL	3	2	3	3	2.8
		HR(S)	1		HR(S)	1	2	0.5	0.5	1
					HR(P)	1	0	0	0.1	0.3
					HR(I)	0.5	0	0	0	
		CPT SL	2	CPT	SL	3	2	2	2	2.3
		HR(S)	2		HR(S)	2	2	0	1	1.3
					HR(P)	2	0	0	0	0.5
					HR(I)	0.5	0	0	0.2	
F. Amphibious Operations	IN	LT SL	2	LT	SL	4	3	4	3	3.5
		HR(S)	8		HR(S)	0	1	0	1	0.5
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT SL	2	CPT	SL	3	3	3	2	2.8
		HR(S)	8		HR(S)	2	1	0	2	1.3
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
G. Airborne Operations	IN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	1	1	1	0.8
					HR(P)	0	0.2	2	0.5	0.7
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	2	2	2.5
			HR(S)	9	HR(S)	1	1	0	1	0.8
					HR(P)	0	1.3	0	0.2	0.4
					HR(I)	0	0	0	0	
H. Airmobile Operations	IN/AV	LT	SL	1/3	LT SL	3	2	3	2	2.5
			HR(S)	10/9	HR(S)	0	2	1	1	1
					HR(P)	0	1	2	0.5	0.9
					HR(I)	0	0	0	0	
		CPT	SL	1	CPT SL	3	2	2	2	2.3
			HR(S)	10	HR(S)	1	2	1	1	1.3
					HR(P)	0	1	1	0.2	0.6
					HR(I)	0	2	0	0	
I. Ranger Operations	IN	LT	SL	3	LT SL	3	3	4	2	3
			HR(S)	1	HR(S)	0	0	0	1	0.3
					HR(P)	0	0	0	0	0
					HR(I)	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0	0	0	1	0.3
					HR(P)	0	0.5	0	0	0.1
					HR(I)	0	0	0	0	
J. Operations in Special Terrain										
(1) Desert	IN/AR	LT	SL	3/3	LT SL	3	3	3	2	2.8
			HR(S)	1/1	HR(S)	0.5	0	1.5	2	1
					HR(P)	0.2	0.2	1.5	0	0.5
					HR(I)	0.5	0	0	0	
		CPT	SL	3/2	CPT SL	3	3	2	2	2.5
			HR(S)	7/2	HR(S)	0.5	0	0.75	2	0.8
					HR(P)	0.5	0.2	0.75	0.5	0.4
					HR(I)	0.5	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
(2) Jungle	IN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0.5	0	1.5	2	1
					HR(P)	0.2	0.2	1.5	0	0.5
					HR(I)	0.5	0	0	0	
		CPT	SL	3	CPT SL	3	3	2	2	2.5
			HR(S)	7	HR(S)	0.5	0	0.75	2	0.8
					HR(P)	0.5	0.4	0.75	0.3	0.5
					HR(I)	0.5	0	0	0	
(3) Mountain	IN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0.5	0	1.5	1	0.8
					HR(P)	0.2	0.2	1.5	0	0.5
					HR(I)	0.5	0	0	0	
		CPT	SL	3	CPT SL	3	3	2	2	2.5
			HR(S)	7	HR(S)	0.5	0	0.75	2	0.8
					HR(P)	0.5	0.5	0.75	0.3	0.5
					HR(I)	0.5	0	0	0	
(4) Northern Terrain	IN	LT	SL	3	LT SL	3	3	3	2	2.8
			HR(S)	1	HR(S)	0.5	0	1.5	1	0.8
					HR(P)	0.2	0	1.5	0	0.4
					HR(I)	0.5	0	0	0	
		CPT	SL	3	CPT SL	3	3	2	2	2.5
			HR(S)	7	HR(S)	0.5	0	0.75	1	0.6
					HR(P)	0.5	0	0.75	0.4	0.4
					HR(I)	0.5	0	0	0	
(5) Military Operations in Urban Terrain (MOUT)	IN	LT	SL	1	LT SL	3	2	3	2	2.5
			HR(S)	15	HR(S)	0	10	1.5	2	3.4
					HR(P)	0	8	0	0	2
					HR(I)	0	0	1.5	0	
		CPT	SL	1	CPT SL	3	1	2	2	2
			HR(S)	27	HR(S)	0	8	0.5	1	2.4
					HR(P)	0	10	0	0.5	2.7
					HR(I)	0	0	0.5	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				SC[j]	MP	MI	CM	CS MEAN
K. River Crossing	IN/AR/EN	LT	SL	2/2/3	LT SL	3	2	2	2	2.3
			HR(S)	4/3/4	HR(S)	0	4	1	2	1.8
					HR(P)	0	2	0	0	0.5
					HR(I)	0	0	1	0	
		CPT	SL	2/2/3	CPT SL	3	1	2	2	2
			HR(S)	7/3/8	HR(S)	2	6	0.5	3	2.9
					HR(P)	0	2	0	0	0.5
					HR(I)	0	0	0.5	1	
L. Tactical Deception Operations	CGSC	LT	SL	1	LT SL	3	3	3	2	2.8
			HR(S)	10	HR(S)	0	1	3	1	1.3
					HR(P)	0	0	3	0.3	0.8
					HR(I)	0	0	0	0	
		CPT	SL	1	CPT SL	3	2	1	1	1.8
			HR(S)	10	HR(S)	0.5	2	2	2	1.6
					HR(P)	0	0	2	0.5	0.6
					HR(I)	0	0	0	0	
M. Rear Area Combat Operations										
(1) Organization for Combat	CGSC/MP	LT	SL	4/2	LT SL	3	2	4	3	3[b]
			HR(S)	0/3	HR(S)	0	3	0	0.5	0.9
					HR(P)	0.5	5	0	0.5	1
					HR(I)	0.2	0	0	0	
		CPT	SL	3/1	CPT SL	3	1	3	2	2.3
			HR(S)	2/3	HR(S)	1	3	0.5	1	1.4
					HR(P)	0	7	0	0	0.8
					HR(I)	1	0	0.5	0.2	
(2) Perimeter Defense	CGSC/MP	LT	SL	2/2	LT SL	3	2	4	3	3
			HR(S)	8/10	HR(S)	2	10	0	0.2	3.1
					HR(P)	2	9	0	0.5	2.8
					HR(I)	0.5	8	0	0	
		CPT	SL	2/1	CPT SL	3	1	3	2	2.3[b]
			HR(S)	8/7	HR(S)	1	7	0	0.5	2.1
					HR(P)	0	17	0	0	1.8
					HR(I)	0.5	2	0	0.1	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		SC[1]	MP	MI	CM	CS MEAN
(3) Active/Passive Security	CGSC/MP	LT SL	2/2	LT SL	3	2	4	3
		HR(S)	4/6	HR(S)	1	6	0	3
				HR(P)	1	4	0	0.2
				HR(I)	0.5	2	0	0.5
		CPT SL	2/1	CPT SL	3	1	2	2
		HR(S)	4/4	HR(S)	1	4	0	0.5
				HR(P)	0	3	0	0
				HR(I)	0.5	1	0	0.1
(4) Weapons Employment	CGSC/MP	LT SL	1/2	LT SL	3	2	4	3
		HR(S)	8/14	HR(S)	1	14	0	0.5
				HR(P)	1	16	0	0.5
				HR(I)	0.5	12	0	0
		CPT SL	1/1	CPT SL	3	1	3	2
		HR(S)	8/14	HR(S)	1	14	0	1
				HR(P)	0	12	0	0
				HR(I)	0.5	4	0	0.1
(5) Physical Layout of Rear Area	CGSC/MP	LT SL	2/2	LT SL	3	2	4	3
		HR(S)	3/4	HR(S)	0	4	0	0.5
				HR(P)	0	4	0	0.5
				HR(I)	0	0	0	0
		CPT SL	2/2	CPT SL	3	1	3	2
		HR(S)	3/2	HR(S)	1	4	0	1
				HR(P)	0	4	0	0
				HR(I)	0	0	0	0.1
11. Leadership	CGSC	LT SL	1	LT SL	1	2	1	2
		HR(S)	30	HR(S)	40	80	58	20
				HR(P)	30.6	22	33	24
				HR(I)	10	8	25	48
		CPT SL	1	CPT SL	1	1	1	1
		HR(S)	50	HR(S)	36	80	30	8
				HR(P)	21	29	30	43
				HR(I)	8	0	0	0

CS MEAN
1.5
49.5
27.4
1
38.5
30.8

WPC8224E/MAR83

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		SC[j]	MP	MI	CM	CS MEAN
TOTAL HOURS			LT HR(S)	426.2	488.5	1226.75	508.9	662.6
			HR(P)	350.4	308.6	495.75	389.7	386.11
			HR(I)	103.7	50.3	734.5	193.3	
			CPT HR(S)	548.5	581	944.95	696.5	692.7
			HR(P)	494.4	293.2	393.25	421.5	400.6
			HR(I)	123.5	41.3	550.2	80.4	

FOOTNOTES

a. Initial Entry Rotary Wing Course data used for Aviation LT, and Warrant Officer Advanced Course data used for Aviation CPT.

b. Proponent recommended sufficiency level and hours used to compute the mean.

c. Field Artillery indicates 15 hours required for Offensive Operations in OBC.

d. Field Artillery indicates 22 hours required for Offensive Operation in OAC.

e. Field Artillery indicates 15 hours required for Defensive Operations in OBC.

f. Field Artillery indicates 27 hours required for Defensive Operations in OAC.

g. Field Artillery indicates 9 hours required for Reconnaissance and Security Operations in OAC.

h. Field Artillery indicates 4 hours required for Air Defense in OAC.

i. Field Artillery indicates 4 hours required for Engineer Operations in OAC.

j. Signal School data does not reflect SC 72 data.

k. Signal School indicates 1 hour required for Defensive Doctrine and Fundamentals in OBC and OAC.

l. Signal School devotes 0.5 hours to Defensive Doctrine and Fundamentals in OBC.

m. Signal School devotes 3 hours to Defensive Doctrine and Fundamentals in OAC.

n. Signal School devotes 1 hour to Defensive Doctrine and Fundamentals in OAC.

o. Missile and Munitions OAC POI data not available.

p. Missile and Munitions indicates 40 hours required for Organizational Basics in OBC.

q. Missile and Munitions devotes 40 hours for Organizational Basics in OBC.

r. Missile and Munitions devotes 18 hours for Organizational Basics in OBC.

s. Missile and Munitions indicates 55 hours required for Organizational Basics in OAC.

t. Missile and Munitions indicates 3 hours required for Electronic Warfare in OBC.

u. Missile and Munitions indicates 9 hours required for Electronic Warfare in OAC.

v. Missile and Munitions indicates 12 hours required for Tactical Basics in OBC.

w. Missile and Munitions indicates 9 hours required for Tactical Basics in OAC.

x. Missile and Munitions indicates 3 hours required for Intelligence in OBC.

y. Missile and Munitions devotes 1 hour to Intelligence in OBC.

z. Missile and Munitions indicates 5 hours required for Intelligence in OAC.

aa. Missile and Munitions indicates 4 hours required for AD in OBC.

bb. Missile and Munitions indicates 8 hours required for AD in OAC.

cc. Missile and Munitions indicates 5 hours required for Threat in OBC.

dd. Missile and Munitions devotes 6 hours to Threat in OBC.

ee. Missile and Munitions indicates 8 hours required for Threat in OAC.

ff. Missile and Munitions indicates 5 hours required for Offensive Operations in OBC.

gg. Missile and Munitions indicates 5 hours required for Offensive Operations in OAC.

hh. Missile and Munitions indicates 5 hours required for Defensive Operations in OBC.

ii. Missile and Munitions indicates 9 hours required for Defensive Operations in OAC.

jj. Missile and Munitions indicates 2 hours required for Retrograde Operations in OAC.

kk. Missile and Munitions indicates 3 hours required for Reconnaissance and Security Operations in OAC.

ll. Missile and Munitions indicates 2 hours required for USA Operational Concepts in OBC.

mm. Missile and Munitions indicates 3 hours required for USA Operational Concepts in OAC.

nn. Missile and Munitions indicates 1 hour required for Engineer Operations in OBC.

oo. Missile and Munitions indicates 5 hours required for Engineer Operations in OAC.

pp. Missile and Munitions indicates 1 hour required for Army Aviation in OBC.

qq. Missile and Munitions devotes 1 hour to Army Aviation in OBC.

rr. Missile and Munitions indicates 3 hours required for Army Aviation in OAC.

ss. Missile and Munitions indicates 5 hours required for Transportation in OBC.

tt. Missile and Munitions indicates 18 hours required for Transportation in OAC.

uu. Missile and Munitions indicates 11 hours required for Manpower in OBC.

vv. Missile and Munitions indicates 6 hours required for Manpower in OAC.

ww. Missile and Munitions indicates 4 hours required for Special Environments in OAC.

xx. Missile and Munitions indicates 20 hours required for Rear Area Combat Operations in OBC.

yy. Missile and Munitions devotes 10 hours to RACO in OBC.

zz. Missile and Munitions devotes 12 hours to RACO in OBC.

aaa. Missile and Munitions indicates 12 hours required for RACO in OAC.

bbb. Infantry School indicates subject integrated throughout 419 hours of FTX's.

ccc. Infantry School indicates subject included in Defensive Operations.

ddd. Infantry School indicates subject emphasized throughout the course.

eee. Infantry School indicates 8 hours required for Defense in OBC.

fff. Infantry School devotes 3 hours to Defense in OBC.

ggg. Infantry School indicates 9 hours required for Defense in OAC.

hhh. Infantry School devotes 1 hour to Defense in OAC.

jjj. Infantry School indicates subject included in Patrolling.

ANNEX F

CONSOLIDATED CASS SURVEY DATA FOR COMBAT SERVICE SUPPORT SCHOOLS

LEGEND

1) SL - Sufficiency Level

a) SL 1 - Fully Proficient

b) SL 2 - Working Knowledge

c) SL 3 - Familiarity

d) SL 4 - No Training Required

2) HR(S) - Hours Required to Attain Sufficiency Level

3) HR(P) - Hours Entirely Devoted to the Subject

4) HR(I) - Hours Subject is Integrated Into Other Subject Areas

COMBINED ARMS SUFFICIENCY STUDY UPDATE

COMBAT SERVICE SUPPORT SERVICE SCHOOLS

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
1. Doctrinal Basics													
A. Principles of War	CGSC	LT	SL	2	LT SL	3	1	2	2	2	2	2	2
			HR(S)	2	HR(S)	2	1	1	1	2	4	2	1.9
					HR(P)	0.1	1	0	0	1	0	1	0.4
					HR(I)	0	1	1	1	0	0.2	0	
		CPT	SL	2	CPT SL	3	1	2	2	2	2	1	1.9
			HR(S)	2	HR(S)	0	1	1	1	5	3	2	1.9
					HR(P)	0		0	0	2	1	0	0.5
					HR(I)	0.1		1	1	10	0.5	1	
B. USA AirLand Battle Operational Concept	CGSC	LT	SL	1	LT SL	2	3	2	2	3	2	2	2.3
			HR(S)	4	HR(S)	8.3	1	3	4	6	5	3	4.3
					HR(P)	0	1	0	0	3	4	6	2
					HR(I)	0.5	1	0	0	0	1	1	
		CPT	SL	1	CPT SL	3	2	2	2	2	2	2	2.1
			HR(S)	4	HR(S)	1.5	1	3	4	9	6	3	3.9
					HR(P)	2.5		0	0	6	7	4	3.3
					HR(I)	0.1		0	0	4	1.5	0	
C. Organization/Preparation For Combat	IN/AR	LT	SL	2/2	LT SL	2	2	2	3	2	2	3	2.3
			HR(S)	4/4	HR(S)	2	p	2	1	14	6	2	4.5
					HR(P)	0	q	0	0	8	5	2	2.5
					HR(I)	0	r	0	0	6	1	0	
		CPT	SL	1/2	CPT SL	2	1	1	3	1	2	2	1.7
			HR(S)	12/8	HR(S)	1	s	4	1	60	6	2	12.3
					HR(P)	0		0	0	68	5	2	12.5
					HR(I)	0		0	0	3	1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
D. Force Modernization	CGSC	LT SL 2	LT	SL	2	3	4	4	4	3	3	3.3
		HR(S) 4		HR(S)	2	1	0	0	0	1	1	0.7
				HR(P)	1	1	0	0	0	0.5	1	0.5
				HR(I)	0	0	0	0	0	0.2	0	
		CPT SL 1	CPT	SL	2	4	4	4	3	2	3	3.1
		HR(S) 4		HR(S)	3	0	0	0	6	1	1	3.1
				HR(P)	3		0	0	2	0.5	1	1.8
				HR(I)	0		0	0	2	0.2	0	
E. Strategic Deployment	CGSC	LT SL 2	LT	SL	4	3	4	3	3	3	3	3.3
		HR(S) 17		HR(S)	0	1	0	1	2	1.5	0.5	0.9
				HR(P)	0	0	0	0	0	0	0	0
				HR(I)	0	0	0	0	0	0	0	
		CPT SL 1	CPT	SL	2	2	3	1	2	3	3	2.3
		HR(S) 60		HR(S)	1	2	1	16	15	1	0.5	5.2
				HR(P)	0		0	0	0	0	0	0
				HR(I)	0		0	0	2	0	0	
2. Command, Control and Communications (C3)												
A. Staff Procedures in Combat	CGSC	LT SL 2	LT	SL	2	2	2	3	2	2	3	2.3
		HR(S) 10		HR(S)	2	p	6	6	9	3	2	4.7
				HR(P)	0	q	0	0	8	4	2	2.3
				HR(I)	0	r	0	0	6	1	2	
		CPT SL 1	CPT	SL	1	1	1	2	2	2	2	1.6
		HR(S) 15		HR(S)	5	s	4	16	17	4	3	8.2
				HR(P)	0		0	0	20	4	2	4.3
				HR(I)	30		0	0	0	1	2	
B. Decisionmaking	CGSC	LT SL 2	LT	SL	2	2	1	3	1	2	1	1.7
		HR(S) 12		HR(S)	2	p	4	4	12	5	2	4.8
				HR(P)	0	q	0	0	8	1	1	1.7
				HR(I)	0	r	0	0	14	0.2	0	
		CPT SL 1	CPT	SL	1	1	1	2	1	1	1	1.1
		HR(S) 8		HR(S)	4	s	4	8	13	5	2	6
				HR(P)	0		0	0	12	2	0	2.2
				HR(I)	26		0	0	3	0.2	2	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM	AG	FI	QM	TC	MS	CSS MEAN
C. Plans, Orders, Estimates, Graphics, Records, Reports	CGSC	LT SL	2	LT SL	2	2	2	2	2	2	2	2
		HR(S)	12	HR(S)	4	p	1	8	9	5	3	5
				HR(P)	0	q	0	0	8	5	3	2.7
				HR(I)	0	r	0	0	4	0.2	2	
		CPT SL	1	CPT SL	1	1	2	2	1	1	1	1.3
		HR(S)	12	HR(S)	6	s	2	4	16	5.5	2	5.9
				HR(P)	38		0	0	12	9	2	10.2
				HR(I)	0		0	0	0	0.5	0	
D. Command and Control Communication	CGSC	LT SL	2	LT SL	3	2	3	3	2	2	1	2.3
		HR(S)	6	HR(S)	1	p	2	4	12	6	2	4.5
				HR(P)	0	q	1	1	6	5	1	2.3
				HR(I)	0	r	2	2	1	2	0	
		CPT SL	1	CPT SL	1	1	2	2	1	1	1	1.3
		HR(S)	12	HR(S)	5	s	2	4	5	5.5	1	3.8
				HR(P)	0		0	0	8	6	3	2.8
				HR(I)	0.5		0	0	1	1	0	
E. Command, Control, and Communications Countermeasures(C3CM)	CGSC	LT SL	4	LT SL	3	4	4	4	3	3	3	3.4
		HR(S)	0	HR(S)	1	0	0	0	2	1	1	0.7
				HR(P)	0	0	0	0	0	0.5	0	0
				HR(I)	0	0	0	0	0	0.2	0	
		CPT SL	4	CPT SL	3	3	4	4	2	2	3	3
		HR(S)	0	HR(S)	1	1	0	0	6	2	1	1.4
				HR(P)	0		0	0	0.5	1	0	0.3
				HR(I)	0.1		0	0	0.5	0.5	0	
F. Airspace Management	CGSC	LT SL	4	LT SL	3	3	4	4	3	3	4	3.4
		HR(S)	0	HR(S)	0	11	0	0	1	1	0	0.2
				HR(P)	0	0	0	0	0	0	0	0
				HR(I)	0	0.5	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	4	4	3	3	3	3.1
		HR(S)	4	HR(S)	0	mm	0	0	1	1	1	0.5
				HR(P)	0		0	0	0	0	0	0
				HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM	AG	FI	QM	TC	MS	CSS MEAN
3. Intelligence and Electronic Warfare												
A. Tactical Intelligence	MI	LT SL	3	LT SL	3	2	3	3	3	2	3	2.7
		HR(S)	2	HR(S)	1	v	1	1	3	3	1	1.7
				HR(P)	0	1	0	0	3	0.5	1	0.8
				HR(I)	0	0	0	0	2	0.2	0	
		CPT SL	3	CPT SL	2	2	3	3	2	1	2	2.1
		HR(S)	2	HR(S)	1	w	1	1	5	4	1	2.2
				HR(P)	2		0	0	5	8	0	2.5
				HR(I)	0.1		0	0	1	0.2	0	
B. Electronic Warfare												
(1) Electronic Warfare Support Measures (ESM)	MI	LT SL	3	LT SL	3	3	4	4	3	3	3	3.3
		HR(S)	1	HR(S)	0	t	0	0	1	1	1	0.5
				HR(P)	0	0	0	0	1	0.5	0	0.2
				HR(I)	0	0	2	2	0	0	0	
		CPT SL	3	CPT SL	3	1	3	4	3	3	3	2.9
		HR(S)	2	HR(S)	0.2	u	1	0	2	1	1	0.9
				HR(P)	0		0	0	1	0.5	0	0.3
				HR(I)	0.2		2	2	0	0	0	
(2) Electronic Countermeasures (ECM)	MI	LT SL	3	LT SL	3	3	4	4	3	3	3	3.3
		HR(S)	1	HR(S)	1	t	0	0	1	1	1	0.7
				HR(P)	0	0	0	0	1	1	0	0.3
				HR(I)	0.2	0	0	0	0	0	0	
		CPT SL	3	CPT SL	3	1	3	4	3	3	3	2.9
		HR(S)	2	HR(S)	0.2	u	1	0	1	1	1	0.7
				HR(P)	0		0	0	0	1	0	0.2
				HR(I)	0.2		0	0	1	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
C. Intelligence Preparation Of The Battlefield (IPB)	MI	LT	SL	4	LT SL	3	3	4	4	3	4	3	3.4
			HR(S)	0	HR(S)	0	x	0	0	1	0	1	0.3
					HR(P)	0	0	0	0	1	0	0	0.1
					HR(I)	0	y	0	0	1	0.2	0	
		CPT	SL	3	CPT SL	3	2	4	4	3	3	3	3.1
			HR(S)	1	HR(S)	1	z	0	0	3	3	1	1.2
					HR(P)	1		0	0	1	2	0	0.7
					HR(I)	0.2		0	0	0.5	0	0	
D. Tactical All-Source Intelligence Production	MI	LT	SL	4	LT SL	4	3	3	3	3	3	3	3.1
			HR(S)	0	HR(S)	0	x	1	1	1	1	2	1
					HR(P)	0	0	0	0	1	1	0	0.3
					HR(I)	0	y	0	0	0	0	0	
		CPT	SL	4	CPT SL	3	2	4	4	3	3	3	3.1
			HR(S)	0	HR(S)	1	z	0	0	3	3	1	1.3
					HR(P)	0.1		0	0	0	2	0	0.4
					HR(I)	0		0	0	0.5	0	0	
(1) Signals Intelligence (SIGINT)	MI	LT	SL	3	LT SL	3	3	4	4	4	3	3	3.4
			HR(S)	1	HR(S)	0	x	0	0	0	1	1	0.3
					HR(P)	0	0	0	0	1	1	0	0.3
					HR(I)	0	y	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	2	4	4	3	3	3	3.1
			HR(S)	1	HR(S)	0	z	0	0	1	1	1	0.5
					HR(P)	0.1		0	0	1	1	0	0.4
					HR(I)	0		0	0	1	0	0	
(2) Imagery Intelligence (IMINT)	MI	LT	SL	4	LT SL	3	3	4	4	4	3	3	3.4
			HR(S)	0	HR(S)	0	x	0	0	0	1	1	0.3
					HR(P)	0	0	0	0	0	0.5	0	0.1
					HR(I)	0	y	0	0	0	0	0	
		CPT	SL	4	CPT SL	3	2	4	4	3	3	3	3.1
			HR(S)	0	HR(S)	0	z	0	0	1	1	1	0.5
					HR(P)	0.1		0	0	0	2	0	0.4
					HR(I)	0		0	0	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(3) Human Intelligence (HUMINT)	MI	LT SL	3	LT SL	3	3	3	3	3	3	3	3
		HR(S)	1	HR(S)	0	x	1	1	1	1.5	1	0.9
				HR(P)	0	0	0	0	1	2	0	0.4
				HR(I)	0	y	0	0	1	0	0	
		CPT SL	3	CPT SL	3	2	3	3	2	3	3	2.7
		HR(S)	1	HR(S)	0	z	1	1	2	1.5	1	1.1
				HR(P)	0.1		0	0	0	3	0	0.5
				HR(I)	0		0	0	0.5	0	0	
(4) Tactical Counter-Intelligence (CI)	MI	LT SL	3	LT SL	3	3	2	3	3	3	3	2.9
		HR(S)	1	HR(S)	1	x	2	2	1	1	1	1.3
				HR(P)	0	0	0	0	1	1	0	0.3
				HR(I)	0	y	0	0	1	0	0	
		CPT SL	3	CPT SL	3	2	2	3	3	3	3	2.7
		HR(S)	1	HR(S)	0	z	2	2	2	1	1	1.3
				HR(P)	0		0	0	0	1	0	0.2
				HR(I)	0.1		0	0	0	0	0	
4. Air Defense												
A. Short Range AD System (SHORAD)	AD	LT SL	3	LT SL	3	3	3	3	3	3	3	3
		HR(S)	2	HR(S)	1	aa	1	1	2	1	1	1.2
				HR(P)	0	0	0	0	2	0.5	0	0.4
				HR(I)	0.3	0	0	0	0	0	0	
		CPT SL	3	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S)	2	HR(S)	0.5	bb	1	1	2	2	1	1.3
				HR(P)	0.5		0	0	0.5	0.5	0	0.3
				HR(I)	0		0	0	0	0	0	
B. Manportable AD Systems	AD	LT SL	2	LT SL	3	3	3	4	3	3	3	3.1
		HR(S)	2	HR(S)	1	aa	1	0	2	1	1	1
				HR(P)	0	0	0	0	1	0.5	0	0.2
				HR(I)	0.2	0	0	0	0	0	0	
		CPT SL	2	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S)	2	HR(S)	0.5	bb	1	1	3	2	1	1.4
				HR(P)	0.1		0	0	0.5	0.5	0.5	0.3
				HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
C. Non-Divisonal AD Systems	AD	LT SL	3	LT SL	3	3	4	3	3	3	3	3.1
		HR(S)	1	HR(S)	0	aa	0	1	2	1.5	1	0.9
				HR(P)	0	0	0	0	1	0.5	0	0.2
				HR(I)	0	0	0	0	0	0	0	
		CPT SL	3	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S)	1	HR(S)	0.5	bb	1	1	2	1	1	1.1
				HR(P)	1		0	0	0	0.5	0.5	0.3
				HR(I)	0		0	0	0	0	0	
D. Unit Active AD Measures	AD	LT SL	2	LT SL	1	3	3	3	2	2	3	2.4
		HR(S)	2	HR(S)	0.5	aa	1	1	2	4	1	1.6
				HR(P)	0	0.5	0	0	2	0.5	0	0.4
				HR(I)	0.3	0	0	0	1	0.2	0	
		CPT SL	1	CPT SL	1	2	3	2	2	1	3	2
		HR(S)	2	HR(S)	1	bb	1	3	2	4	1	2
				HR(P)	0.5		0	0	0	0.5	0.5	0.3
				HR(I)	0		0	0	0.5	0	0	
E. Unit Passive AD Measures	AD	LT SL	2	LT SL	1	3	1	2	2	2	3	2
		HR(S)	4	HR(S)	1	aa	2	2	2	4	1	2
				HR(P)	0	0.5	0	0	2	1.5	0	0.4
				HR(I)	0.2	0	0	0	1	0.2	0	
		CPT SL	1	CPT SL	1	2	1	1	2	1	3	1.6
		HR(S)	4	HR(S)	0.5	bb	2	4	2	4	1	2.3
				HR(P)	0.5		0	0	1	0.5	0	0.3
				HR(I)	0		0	0	1	0	0	
F. AD Priority Support In AirLand Battle	AD	LT SL	2	LT SL	3	3	4	4	3	2	2	3
		HR(S)	3	HR(S)	1	aa	0	0	1	2	1	0.8
				HR(P)	0	0	0	0	1	1.2	0	0.3
				HR(I)	0	0	0	0	0	0.1	0	
		CPT SL	3	CPT SL	2	2	3	4	2	2	2	2.4
		HR(S)	3	HR(S)	0.5	bb	1	0	5	2	1	1.6
				HR(P)	0		0	0	0	2	0	0.3
				HR(I)	0.5		0	0	0	0.2	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM[o]	AG	FI	QM	TC	MS	CSS MEAN
G. AD Land Space Requirements In MBA and CFA	AD	LT SL	2	LT SL	4	3	4	4	3	3	3	3.4
		HR(S)	1	HR(S)	0	aa	0	0	1	3	1	0.8
				HR(P)	0	0	0	0	1	0.1	0	0.2
				HR(I)	0	0	0	0	0	0	0	
		CPT SL	2	CPT SL	4	2	3	4	3	3	3	3.1
		HR(S)	1	HR(S)	0	bb	1	0	2	1	1	0.8
				HR(P)	0		0	0	0	0.5	0	0.1
				HR(I)	0		0	0	0.5	0	0	
5. Close Combat												
A. Tactical Basics												
(1) Battlefield Movement	IN/AR	LT SL	2/3	LT SL	2	2	2	2	2	2	3	2.1
		HR(S)	20/8	HR(S)	8	v	3	3	9	3.5	1	4.6
				HR(P)	0	1	1	1	6	0.2	0	1.3
				HR(I)	2	0	0	0	4	0	1	
		CPT SL	2/2	CPT SL	2	2	1	2	2	1	2	1.7
		HR(S)	10/12	HR(S)	5	w	4	4	7	4.5	1	4.3
				HR(P)	5		0	0	8	4	1	3
				HR(I)	2		0	0	0.5	0	0	
(2) Operations Security	CGSC	LT SL	1	LT SL	2	2	2	2	2	2	1	1.9
		HR(S)	4	HR(S)	2	v	2	2	3	2.5	1	2.1
				HR(P)	0	1	0	0	3	3	1	1.1
				HR(I)	0	1	1	1	1	1	0	
		CPT SL	1	CPT SL	2	2	2	2	2	1	2	1.9
		HR(S)	4	HR(S)	2	w	2	2	6	3	1	2.7
				HR(P)	0		0	0	3	3	1	1.2
				HR(I)	0.2		0	0	4	0.5	0	
(3) Signal Security (SIGSEC)	MI/SC	LT SL	2/2	LT SL	3	3	3	3	3	2	2	2.7
		HR(S)	5/3	HR(S)	4	t	1	1	3	2	1	2
				HR(P)	5	4	0	0	3	2	0	2
				HR(I)	0	4	0	0	2	0.2	0	
		CPT SL	2/2	CPT SL	2	1	3	3	2	2	2	2.1
		HR(S)	5/4	HR(S)	1	u	1	1	3	1.5	1	1.4
				HR(P)	0		0	0	1	1	0	0.3
				HR(I)	0.2		0	0	0	0.2	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(4) Passage of Lines	IN/AR	LT	SL	3/3	LT SL	4	2	4	3	3	2	3	3
			HR(S)	1/8	HR(S)	0	v	0	1	2	2	1	1
					HR(P)	0	0	0	0	1	1	0	0.3
					HR(I)	0.2	0	0	0	0	0.2	0	
		CPT	SL	3/2	CPT SL	3	2	4	3	2	2	3	2.7
			HR(S)	1/12	HR(S)	0.5	w	0	1	2	2	1	1.1
					HR(P)	0		0	0	0	1	0	0.2
					HR(I)	0.1		0	0	1	0.2	0	
(5) Operations During Limited Visibility And Night Operations	IN/AR	LT	SL	3/3	LT SL	3	2	3	3	2	2	1	2.3
			HR(S)	15/8	HR(S)	1	v	2	2	7	4	6	3.7
					HR(P)	0	0	0	0	8	8	6	3.1
					HR(I)	0	0	4	4	2	1	0	
		CPT	SL	3/3	CPT SL	1	2	3	3	2	2	1	2
			HR(S)	15/12	HR(S)	1	w	2	2	8	3	1	2.8
					HR(P)	0		0	0	1	0.2	0	0.2
					HR(I)	0.1		0	0	1	0	0	
(6) Smoke Operations	FA/CM	LT	SL	3	LT SL	3	3	4	3	2	3	3	3
			HR(S)	2	HR(S)	0	1	0	1	3	1	1	1
					HR(P)	0	0	0	0	0	0.2	0	0.0
					HR(I)	0	0	0	0	0	0.1	0	
		CPT	SL	2	CPT SL	3	2	3	3	2	2	2	2.4
			HR(S)	4	HR(S)	0.5	1	1	1	3	2.5	1	1.4
					HR(P)	0		0	0	0	0.2	0	0.0
					HR(I)	1.5		0	0	0	0.1	0	
(7) Patrolling	IN	LT	SL	3	LT SL	2	2	1	3	2	2	3	2.1
			HR(S)	4	HR(S)	16	v	4	2	12	8	4	7.7
					HR(P)	0	2	5	5	12	9	4	5.3
					HR(I)	16	8	0	0	1	2	0	
		CPT	SL	3	CPT SL	2	2	2	3	2	2	3	2.3
			HR(S)	1	HR(S)	0.5	w	2	2	8	3	1	2.8
					HR(P)	0		0	0	0.5	1	0	0.3
					HR(I)	0		0	0	0.5	0.2	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
B. Threat													
(1) Mission and Role of Threat Armed Forces	CACDA	LT	SL	2	LT SL	3	3	2	2	3	2	3	2.6
			HR(S)	0,5	HR(S)	2	cc	2	3	2	2	1	2
					HR(P)	1	dd	3	3	2	1	2	2.6
					HR(I)	0	0	0	0	0	0.2	0	
		CPT	SL	1	CPT SL	2	2	2	3	3	2	2	2.3
			HR(S)	1	HR(S)	0.5	ee	2	3	1	2	2	1.8
					HR(P)	0.5		3	3	2	4	3	2.6
					HR(I)	0		0	0	10	0.5	0	
(2) Organization/Equipment	CACDA	LT	SL	1	LT SL	2	3	2	3	2	2	3	2.4
			HR(S)	2	HR(S)	1	cc	2	1	3	2	1	1.7
					HR(P)	1	dd	5	5	2	1	0.3	2.3
					HR(I)	0	0	0	0	0	0.2	0	
		CPT	SL	1	CPT SL	2	2	2	3	2	2	3	2.3
			HR(S)	3	HR(S)	1	ee	4	1	3	2	1	2
					HR(P)	0.5		6	6	2	2	0	2.8
					HR(I)	0		0	0	1	0.2	0	
(3) Offensive Operations	CACDA	LT	SL	2	LT SL	3	3	3	3	2	2	3	2.7
			HR(S)	1	HR(S)	1	cc	1	1	4	2	1	1.7
					HR(P)	0.5	dd	2	2	2	1	0.3	1.3
					HR(I)	0	0	0	0	0	0.5	0	
		CPT	SL	2	CPT SL	2	2	2	3	2	2	3	2.3
			HR(S)	2.5	HR(S)	1.5	ee	1	1	4	2	2	1.9
					HR(P)	1		2	2	5	2	2	2.3
					HR(I)	0.5		0	0	2	0.5	0	
(4) Defensive Operations	CACDA	LT	SL	3	LT SL	3	3	3	3	2	2	3	2.7
			HR(S)	0.5	HR(S)	1	cc	1	1	4	2	1	1.9
					HR(P)	0.5	dd	0	0	1	1	0.3	0.4
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	2	CPT SL	2	2	3	3	2	2	3	2.4
			HR(S)	0.5	HR(S)	1.5	ee	1	1	5	1.5	2	2
					HR(P)	1		0	0	1	1	2	1
					HR(I)	0.5		0	0	0	0	0	

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(5) Combat Support	CACDA	LT SL	2	LT SL	3	3	3	4	2	3	4	3.1
		HR(S)	1	HR(S)	1	cc	1	0	3	2	0	1.2
				HR(P)	1	dd	0	0	1	0.5	0	0.3
				HR(I)	0	0	7	7	0	0.2	0	
		CPT SL	1	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S)	2	HR(S)	3	ee	1	1	4	2	1	2
				HR(P)	1		0	0	5	1	0	1.2
				HR(I)	0.5		7	7	3	0.2	0	
(6) Special Operations	CACDA	LT SL	2	LT SL	3	3	3	3	3	3	4	3.1
		HR(S)	1	HR(S)	1	cc	1	1	1	1	0	0.8
				HR(P)	1	dd	1	1	2	1	0	1
				HR(I)	0	0	0	0	0	0.2	0	
		CPT SL	1	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S)	2	HR(S)	1	ee	1	1	2	2	1	1.3
				HR(P)	1		1	1	2	1.5	0	1.1
				HR(I)	0		0	0	2	0.2	0	
C. Offensive Operations												
(1) Doctrine (Concepts) and Fundamentals	IN/AR	LT SL	2/2	LT SL	3	3	1	3	2	2	3	2.4
		HR(S)	6/3	HR(S)	1	ff	2	2	4	4.5	1	2.4
				HR(P)	0	2	0	0	4	0.3	1	1
				HR(I)	0.2	2	0	0	0	0.2	0	
		CPT SL	2/2	CPT SL	1	2	1	3	2	2	3	2
		HR(S)	4/4	HR(S)	5	gg	4	2	5	2.5	1	3.3
				HR(P)	0.3		0	0	2	1	1	0.9
				HR(I)	0		0	0	2	0.2	0	
(2) Movement to Contact	IN/AR	LT SL	3/3	LT SL	3	3	3	3	3	2	3	2.9
		HR(S)	2/3	HR(S)	0.5	ff	0	1	2	2	0.2	0.9
				HR(P)	0	0	0	0	2	0.3	0	0.3
				HR(I)	0.2	0	0	0	0	0	0	
		CPT SL	3/3	CPT SL	3	2	3	3	2	2	3	2.6
		HR(S)	2/4	HR(S)	0.5	gg	0	1	4	1.5	0.3	1.2
				HR(P)	0.5		0	0	0	0.5	0	0.2
				HR(I)	0		0	0	1	0	0	

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(3) Hasty Attack	IN/AR	LT SL 3/3	LT SL	3	3	2	3	3	2	3	2.7
		HR(S) 2/3	HR(S)	0.5	ff	2	1	2	2	0.2	1.3
			HR(P)	0	0	0	0	1	0.2	0	0.2
			HR(I)	0.2	0	0	0	0	0.2	0	
		CPT SL 3/3	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	gg	2	1	3	2	0.3	1.5
			HR(P)	0.5		0	0	0	0.3	0	0.1
			HR(I)	0		0	0	0.5	0.2	0	
(4) Deliberate Attack	IN/AR	LT SL 3/3	LT SL	3	3	3	3	3	2	3	2.9
		HR(S) 2/3	HR(S)	0.5	ff	1	1	2	2	0.2	1.1
			HR(P)	0	0	0	0	2	0.2	0	0.3
			HR(I)	0.2	0	0	0	0	0.2	0	
		CPT SL 3/3	CPT SL	3	2	3	3	2	2	3	2.6
		HR(S) 2/4	HR(S)	0.5	gg	1	1	4	2	0.3	1.5
			HR(P)	1		0	0	0	0.3	0	0.2
			HR(I)	0		0	0	0.5	0.2	0	
(5) Exploitation	IN/AR	LT SL 2/3	LT SL	3	3	4	4	3	2	3	3.1
		HR(S) 6/3	HR(S)	0.5	ff	0	0	2	2	0.2	0.8
			HR(P)	0	0	0	0	1	0.2	0	0.2
			HR(I)	0.1	0	0	0	0	0	0	
		CPT SL 2/3	CPT SL	3	2	4	3	2	2	3	2.7
		HR(S) 8/4	HR(S)	0.5	gg	0	1	2	1.5	0.3	0.9
			HR(P)	0.5		0	0	0	0.3	0	0.1
			HR(I)	0		0	0	0.5	0	0	
(6) Pursuit	IN/AR	LT SL 2/3	LT SL	3	3	4	4	3	2	3	3.1
		HR(S) 6/3	HR(S)	0.5	ff	0	0	2	2	0.2	0.8
			HR(P)	0	0	0	0	1	0.2	0	0.2
			HR(I)	0.1	0	0	0	0	0	0	
		CPT SL 2/3	CPT SL	3	2	4	3	2	2	3	2.7
		HR(S) 8/4	HR(S)	0.5	gg	0	1	2	1.5	0.3	0.9
			HR(P)	0.5		0	0	0	0.3	0	0.1
			HR(I)	0		0	0	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(7) Approach (Relief) of Encircled Forces	IN/AR	LT SL 2/3	LT SL	3	3	4	4	3	2	3	3.1
		HR(S) 6/3	HR(S)	0.5	ff	0	0	2	2	0.2	0.8
			HR(P)	0	0	0	0	1	0.3	0	0.2
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 2/3	CPT SL	3	2	4	3	2	2	3	2.7
		HR(S) 8/4	HR(S)	0.5	gg	0	1	3	1.5	0.3	1.1
			HR(P)	0		0	0	1	0.3	0	0.2
			HR(I)	0		0	0	0.5	0	0	
(8) Reconnaissance in Force	IN/AR	LT SL 2/3	LT SL	3	3	4	4	3	2	3	3.1
		HR(S) 4/3	HR(S)	0.5	ff	0	0	2	2	0.2	0.8
			HR(P)	0	0	0	0	1	0.3	0	0.2
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 2/3	CPT SL	3	2	4	3	2	2	3	2.7
		HR(S) 4/4	HR(S)	0.5	gg	0	1	3	1.5	0.3	1.1
			HR(P)	0.2		0	0	0	0.3	0	0.1
			HR(I)	0		0	0	0	0	0	
D. *Defensive Operations*											
(1) Doctrine (Concepts) and Fundamentals											
(a) Covering Force Area	IN/AR	LT SL 2/2	LT SL	3	2	2	3	3	3	3	2.7
		HR(S) 1/3	HR(S)	0.5	hh	1	1	3	1	0.2	1.1
			HR(P)	0	0	0	0	2	0.3	0.2	0.4
			HR(I)	0.1	0	0	0	1	0.1	0	
		CPT SL 2/2	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	4	2	0.3	1.5
			HR(P)	1		0.5	0.5	3	0.5	0.3	1
			HR(I)	0		0	0	0.5	0.1	0	
(b) Main Battle Area	IN/AR	LT SL 2/2	LT SL	3	2	2	3	3	3	3	2.7
		HR(S) 1/3	HR(S)	0.5	hh	1	1	4	1	1	1.4
			HR(P)	0	0	0	0	4	0.3	0.2	0.6
			HR(I)	0.1	0	0	0	4	0.1	0	
		CPT SL 2/2	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	5	3	0.3	1.8
			HR(P)	2		0.5	0.5	6	0.5	0.3	1.6
			HR(I)	0		0	0	2	0.1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(c) Rear Area	IN/AR	LT SL 1/2	LT SL	3	2	1	2	2	2	2	2
		HR(S) 2/3	HR(S)	0.5	hh	8	4	11	3	1	4.6
			HR(P)	0	2	0	0	11	1.5	0.2	2.1
			HR(I)	0.1	0	5	5	3	1	0	
		CPT SL 2/2	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	5	3	0.3	1.8
			HR(P)	0.5		2	2	16	2.5	0.3	3.9
			HR(I)	4		0	0	2	1.5	0	
(2) Defense in Sector	IN/AR	LT SL 3/3	LT SL	3	2	2	3	3	2	3	2.6
		HR(S) 4/3	HR(S)	1	hh	1	1	6	2	1	2
			HR(P)	0	0	0	0	8	3	0.2	1.6
			HR(I)	0.2	0	0	0	8	0.3	0	
		CPT SL 3/3	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 4/4	HR(S)	1	ii	1	1	6	1.5	0.3	1.8
			HR(P)	1		0	0	4	2	0.3	1.2
			HR(I)	0		0	0	1	0.5	0	
(3) Defense from Battle Positions											
(a) Linear	IN/AR	LT SL 3/3	LT SL	4	2	2	3	3	2	3	2.7
		HR(S) 2/3	HR(S)	0	hh	1	1	4	1.5	0.5	1.3
			HR(P)	0	0	0	0	1	2	0	0.4
			HR(I)	0	0	0	0	0	0.2	0	
		CPT SL 3/3	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	3	1	0.5	1.2
			HR(P)	0.5		0	0	0	1	0	0.3
			HR(I)	0		0	0	0	0.1	0	
(b) Perimeter	IN/AR	LT SL 3/3	LT SL	4	2	2	2	2	2	3	2.4
		HR(S) 2/3	HR(S)	0	hh	1	4	15	2	0.5	3.8
			HR(P)	0	5	0	0	16	3	0	3.4
			HR(I)	0	0	0	0	7	0.2	0	
		CPT SL 3/3	CPT SL	1	2	2	2	2	2	3	2
		HR(S) 2/4	HR(S)	6	ii	1	4	13	2	0.5	4.4
			HR(P)	5		0	0	8	2	0	2.5
			HR(I)	16		0	0	1	0.1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(4) Defense In-Depth	IN/AR	LT SL 3/3	LT SL	4	2	2	3	3	2	3	2.7
		HR(S) 2/3	HR(S)	0	hh	1	1	4	1.5	0.5	1.3
			HR(P)	0	0	0	0	3	1	0	0.6
			HR(I)	0	0	0	0	1	0.2	0	
		CPT SL 3/3	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	3	1	0.5	1.2
			HR(P)	1		0	0	2	1	0	0.7
			HR(I)	0.5		0	0	0	0.1	0	
(5) Strong Points	IN/AR	LT SL 3/3	LT SL	3	2	2	3	3	2	3	2.6
		HR(S) 2/3	HR(S)	0.5	hh	1	1	2	1	0.5	1
			HR(P)	0	0	0	0	1	2	0	0.4
			HR(I)	0	0	0	0	0	0.2	0	
		CPT SL 3/3	CPT SL	3	2	2	3	3	2	3	2.6
		HR(S) 2/4	HR(S)	0.5	ii	1	1	2	1.5	0.5	1.1
			HR(P)	0.5		0	0	0.5	1	0	0.3
			HR(I)	0		0	0	1	0.1	0	
(6) Counterattack	IN/AR	LT SL 3/3	LT SL	4	2	2	3	3	2	3	2.7
		HR(S) 2/3	HR(S)	0	hh	1	1	3	1	0.5	1.1
			HR(P)	0	0	0	0	1	0.3	0	0.2
			HR(I)	0	0	0	0	1	0	0	
		CPT SL 3/3	CPT SL	3	2	2	3	2	2	3	2.4
		HR(S) 2/4	HR(S)	0.5	ii	1	1	2	1	0.5	1
			HR(P)	1		0	0	1	0.5	0	0.4
			HR(I)	1		0	0	0.5	0	0	
(7) Breakout/Linkup	IN/AR	LT SL 3/3	LT SL	4	2	3	3	3	2	3	2.9
		HR(S) 2/3	HR(S)	0	hh	1	1	3	1	0.5	1.1
			HR(P)	0	0	0	0	2	0.5	0	0.4
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3/3	CPT SL	3	2	3	3	2	2	3	2.6
		HR(S) 2/4	HR(S)	0.5	ii	1	1	3	1.5	0.5	1.3
			HR(P)	0		0	0	0	0.5	0	0.1
			HR(I)	0		0	0	0	0	0	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
E. Retrograde Operations													
(1) Delay	IN/AR	LT	SL	3/3	LT SL	3	4	4	3	3	3	3	3.3
			HR(S)	2/3	HR(S)	0.5	0	0	1	3	1	1	1.1
					HR(P)	0	0	0	0	3	0.3	0.3	0.5
					HR(I)	0.1	0	0	0	0	0	0	
		CPT	SL	3/3	CPT SL	3	2	4	3	2	2	3	2.7
			HR(S)	2/4	HR(S)	0.7	jj	0	1	4	1	1	0.3
					HR(P)	1		0	0	0	0.5	0.3	0.3
					HR(I)	0		0	0	1	0	0	
(2) Withdrawal	IN/AR	LT	SL	3/3	LT SL	3	4	4	3	3	3	3	3.3
			HR(S)	2/3	HR(S)	0.5	0	0	1	2	1.5	1	1
					HR(P)	0	0	0	0	3	0.3	0.3	0.5
					HR(I)	0.2	0	0	0	1	0	0	
		CPT	SL	3/3	CPT SL	3	2	3	3	2	2	3	2.6
			HR(S)	2/4	HR(S)	0.7	jj	1	1	3	1	1	1.3
					HR(P)	1		0	0	0.5	0.5	0.3	0.4
					HR(I)	0		0	0	0.5	0	0	
(3) Retirement	IN/AR	LT	SL	3/3	LT SL	3	4	4	3	3	3	3	3.3
			HR(S)	2/3	HR(S)	0.5	0	0	1	2	1.5	1	1
					HR(P)	0	0	0	0	2	0.3	0.3	0.4
					HR(I)	0.1	0	0	0	0	0	0	
		CPT	SL	3/3	CPT SL	3	2	4	3	2	3	3	2.9
			HR(S)	2/4	HR(S)	0.7	jj	0	1	3	1	1	1.1
					HR(P)	0.1		0	0	0	0.3	0.3	0.1
					HR(I)	0		0	0	0	0	0	
F. Reconnaissance and Security Operations													
(1) Doctrine (Concepts) and Fundamentals	AR	LT	SL	2	LT SL	4	4	3	3	3	3	3	3.3
			HR(S)	3	HR(S)	0	0	1	1	1	1	1	0.8
					HR(P)	0	0	0	0	1	0.1	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	2	CPT SL	3	3	3	3	2	2	3	2.7
			HR(S)	4	HR(S)	0.2	kk	1	1	3	1	1	1.2
					HR(P)	1		0	0	2	0.2	0	0.5
					HR(I)	1		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(2) Reconnaissance	AR	LT	SL	3	LT SL	4	4	4	4	3	3	3	3.6
			HR(S)	1	HR(S)	0	0	0	0	1	1	1	0.4
					HR(P)	0	0	0	0	1	0.1	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	4	3	2	2	3	2.9
			HR(S)	1	HR(S)	0.2	kk	0	1	2	1	1	0.9
					HR(P)	0.2		0	0	0.5	0.2	0	0.2
					HR(I)	0.1		0	0	0.5	0	0	
(3) Security	AR	LT	SL	3	LT SL	4	4	4	4	3	3	3	3.6
			HR(S)	1	HR(S)	0	0	0	0	1	1	1	0.4
					HR(P)	0	0	0	0	1	0.1	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	4	3	2	2	3	2.9
			HR(S)	1	HR(S)	0.2	kk	0	1	2	1	1	0.9
					HR(P)	0.2		0	0	1	0.2	0	0.2
					HR(I)	0.1		0	0	0	0	0	
(4) Economy of Force	AR	LT	SL	3	LT SL	4	4	4	4	3	3	3	3.6
			HR(S)	1	HR(S)	0	0	0	0	1	1	1	0.4
					HR(P)	0	0	0	0	1	0.1	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	4	3	2	2	3	2.9
			HR(S)	1	HR(S)	0.2	kk	0	1	2	1	1	0.9
					HR(P)	0.2		0	0	1	0.1	0	0.2
					HR(I)	0.1		0	0	0.5	0	0	
(5) Division 86 Cavalry Operations	AR	LT	SL	3	LT SL	4	4	3	3	3	3	3	3.3
			HR(S)	1	HR(S)	0	0	1	1	1	1	1	0.7
					HR(P)	0	0	0	0	1	0.1	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	3	3	2	2	3	2.7
			HR(S)	1	HR(S)	0.5	kk	1	1	2	1	1	1.1
					HR(P)	0		0	0	0	0.2	0	0
					HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
6. Fire Support											
A. Indirect Fire Support											
(1) Request and Adjust Fire	FA	LT SL 1	LT SL	2	3	1	2	2	2	4	2.3
		HR(S) 14	HR(S)	2	4	2	2	4	5.5	0	2.8
			HR(P)	3	2	0	0	4	2	0	1.6
			HR(I)	0	1	0	0	0	0	0	
		CPT SL 1	CPT SL	2	2	1	2	2	2	4	2.1
		HR(S) 12	HR(S)	0	4	2	2	4	5	0	2.4
			HR(P)	2		0	0	0	2	0	0.7
			HR(I)	0		0	0	0.5	0	0	
(2) FA Organization, Command and Control	FA	LT SL 3	LT SL	3	3	4	4	3	3	2	3.1
		HR(S) 0.5	HR(S)	0.5	1	0	0	2	3	1	1.1
			HR(P)	1	0	0	0	1	0.3	0	0.3
			HR(I)	0	0.5	0	0	0	0	0	
		CPT SL 3	CPT SL	2	2	4	3	3	2	2	2.6
		HR(S) 0.5	HR(S)	2	1	0	1	4	2	1	1.6
			HR(P)	2		0	0	0.5	1.5	0	0.7
			HR(I)	0		0	0	0	0	0	
(3) FA Priority Support in AirLand Battlefield	FA	LT SL 4	LT SL	3	3	3	3	3	2	2	2.7
		HR(S) 0	HR(S)	0	1	1	1	1	4	1	1.3
			HR(P)	0	1	0	0	1	0.3	0	0.3
			HR(I)	0	0	0	0	1	0.1	0	
		CPT SL 3	CPT SL	2	3	3	2	2	2	1	2.1
		HR(S) 1	HR(S)	0.5	1	1	2	2	3	1	1.5
			HR(P)	0		0	0	0.5	0.5	0	0.2
			HR(I)	0		0	0	0	0.1	0	
(4) FA Land Space Requirements In MBA/CFA	FA	LT SL 4	LT SL	4	4	4	4	3	3	3	3.6
		HR(S) 0	HR(S)	0	0	0	0	1	2	1	0.6
			HR(P)	0	0	0	0	1	1	0	0.3
			HR(I)	0	0	0	0	1	0	0	
		CPT SL 3	CPT SL	3	3	3	3	2	3	3	2.9
		HR(S) 1	HR(S)	0	1	1	1	2	2	1	1.1
			HR(P)	0		0	0	0.5	1	0	0.3
			HR(I)	0.1		0	0	0.5	0	0	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
B. Close Air Support (CAS AND BAI)	CGSC	LT	SL	3	LT SL	3	3	3	3	3	2	4	3
			HR(S)	2	HR(S)	0.5	11	1	1	1	3	0	1.1
					HR(P)	0	0	0	0	1	0	0	0.1
					HR(I)	0	0.5	0	0	0	0.2	0	
		CPT	SL	2	CPT SL	3	2	3	3	2	2	3	2.6
			HR(S)	4	HR(S)	0.5	—	1	1	2	4	1	1.6
					HR(P)	0.5		0	0	0.5	0.5	0	0.3
					HR(I)	0.2		0	0	0.5	0.5	0	
C. Suppression of Enemy AD (SEAD)	CGSC	LT	SL	4	LT SL	3	3	4	4	4	3	4	3.6
			HR(S)	0	HR(S)	0.2	11	0	0	0	1	0	0.2
					HR(P)	0	0	0	0	0	0.5	0	0.1
					HR(I)	0	0	0	0	0	0.2	0	
		CPT	SL	3	CPT SL	3	2	3	4	3	3	3	3
			HR(S)	2	HR(S)	0.5	—	1	0	1	2	1	0.9
					HR(P)	0		0	0	0	4	0	0.7
					HR(I)	0		0	0	0	0.5	0	
D. Nuclear and Chemical Weapons Employment (Consolidated Entry--See Annex H, Appendix 4)	CGSC/FA/CM	LT	SL		LT SL	3	3	3	3	3	3	3	3
			HR(S)		HR(S)	24.4	35	22	18	31	22	29	25.9
					HR(P)	19.2	32	26	26	27	22	25	25.3
					HR(I)	1	6	4	4	26	1.1	5	
		CPT	SL		CPT SL	3	2	3	3	2	2	2	2.4
			HR(S)		HR(S)	31.6	64	23	19	41	26.5	52	36.7
					HR(P)	35.2		32	32	17.5	29	29	29.1
					HR(I)	4.8		4	4	12	3.2	28	
7. Engineer Operations (Combat Support)													
A. Mobility	EN	LT	SL	3	LT SL	3	3	4	3	3	4	3	3.3
			HR(S)	2	HR(S)	0.5	nn	0	1	1	0	1	0.6
					HR(P)	0	0.5	0	0	1	0.2	0	0.2
					HR(I)	0.2	0.5	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	2	3	3	3	3	3	2.9
			HR(S)	4	HR(S)	0.5	oo	1	1	2	1	1	1.1
					HR(P)	0.2		0	0	0	0.2	0	0.1
					HR(I)	0		0	0	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
B. Countermobility	EN	LT SL	3	LT SL	3	3	4	4	3	4	3	3.4
		HR(S)	2	HR(S)	0.5	nn	0	0	1	0	1	0.4
				HR(P)	0	0.5	0	0	1	0.2	0	0.2
				HR(I)	0.2	0.5	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	4	4	3	3	3	3.1
		HR(S)	4	HR(S)	0.5	oo	0	0	2	1	1	0.8
				HR(P)	0.2		0	0	0	0.2	0	0.1
				HR(I)	0		0	0	0.5	0	0	
C. Survivability	EN	LT SL	3	LT SL	3	3	4	3	3	4	3	3.3
		HR(S)	2	HR(S)	0.5	nn	0	2	2	0	1	0.9
				HR(P)	0	0	0	0	1	0	0	0.1
				HR(I)	0.2	0	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	4	3	3	3	3	3
		HR(S)	4	HR(S)	0.5	oo	0	2	2	2	1	1.3
				HR(P)	0.2		0	0	0	0.2	0	0.1
				HR(I)	0		0	0	1	0	0	
D. General Engineering	EN	LT SL	3	LT SL	3	3	4	3	3	4	3	3.3
		HR(S)	2	HR(S)	1	nn	0	1	1	0	1	0.7
				HR(P)	0	0	0	0	0	0	0	0
				HR(I)	0	0	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	3	3	3	3	3	2.9
		HR(S)	4	HR(S)	0.5	oo	1	1	1	1	1	0.9
				HR(P)	1		0	0	0	0.2	0	0.2
				HR(I)	0		0	0	0	0	0	
8. Army Aviation												
A. Combat Aviation	AV	LT SL	3	LT SL	3	3	3	3	3	3	3	3
		HR(S)	2	HR(S)	1	pp	1	1	1	1	1	1
				HR(P)	0	qq	0	0	1	4	1	0.9
				HR(I)	1	0	0	0	1	0	0	
		CPT SL	2	CPT SL	3	2	3	3	3	3	3	2.9
		HR(S)	6	HR(S)	0	rr	1	1	2	1	1	1
				HR(P)	0		0	0	0	16	1	2.8
				HR(I)	0.5		0	0	1	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM[o]	AG	FI	QM	TC	MS	CSS MEAN
B. Combat Support Aviation	AV	LT SL 3	LT SL	3	3	3	3	3	3	3	3
		HR(S) 3	HR(S)	1	pp	1	1	1	2	1	1.2
			HR(P)	0	qq	0	0	1	7	0	1.3
			HR(I)	0	0	0	0	1	0	0	
		CPT SL 2	CPT SL	3	2	3	3	3	3	3	2.9
		HR(S) 7	HR(S)	0	rr	1	1	2	1	1	1
			HR(P)	0		0	0	0	27	1	4.7
			HR(I)	0		0	0	1	0	0	
C. Combat Service Support Aviation	AV	LT SL 3	LT SL	3	3	3	3	3	3	3	3
		HR(S) 2.5	HR(S)	1	pp	1	1	4	2.5	1	1.8
			HR(P)	0	qq	0	0	2	9.5	1	1.8
			HR(I)	0	0	0	0	1	0	0	
		CPT SL 2	CPT SL	2	2	3	3	2	2	3	2.4
		HR(S) 7	HR(S)	0	rr	1	1	5	2	1	1.7
			HR(P)	0		0	0	0	49	1	8.3
			HR(I)	0		0	0	2	0	0	
9. Combat Service Support											
A. Logistics Operations											
(1) Supply	QM	LT SL 3	LT SL	2	2	1	2	1	2	2	2[b]
		HR(S) 25	HR(S)	90	10	6	4	327	14	18	23.9
			HR(P)	33	10	7	7	173	14	18	16.3
			HR(I)	48	0	0	0	24	11	0	
		CPT SL 3	CPT SL	1	1	1	2	1	1	2	1.6[b]
		HR(S) 25	HR(S)	203	10	6	4	602	17	4	13
			HR(P)	44		7	7	207	14	4	13.7
			HR(I)	163		0	0	57	11	0	
(2) Ammunition Support Structure and Requisitioning	MM	LT SL 2	LT SL	3	2	3	3	2	2	3	2.6[b]
		HR(S) 4	HR(S)	1	4	1	1	4	2	2	2.1
			HR(P)	0	4	0	0	0	0	0	0.6
			HR(I)	7	0	0	0	3	0	0	
		CPT SL 2	CPT SL	2	2	3	3	2	2	3	2.4[b]
		HR(S) 2	HR(S)	3	2	1	1	4	1	3	2.1
			HR(P)	0		0	0	2	1	0	0.6
			HR(I)	0		0	0	2	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(3) Ammunition Supply Rates and DAO Functions	MM	LT SL	3	LT SL	3	3	4	4	3	3	3	3.3
		HR(S)	2	HR(S)	1	2	0	0	7	1.5	1	1.8
				HR(P)	0	2	0	0	3	0	0	0.7
				HR(I)	7	0	0	0	0	0	0	
		CPT SL	3	CPT SL	2	3	4	4	2	3	3	3
		HR(S)	4	HR(S)	3	1	0	0	4	1.5	2	1.6
				HR(P)	0		0	0	2	0	0	0.3
				HR(I)	0		0	0	1	0	0	
B. Transportation Operations												
(1) Convoy Operations	TC	LT SL	2	LT SL	2	2	2	3	2	2	2	2.1b
		HR(S)	4	HR(S)	2	ss	2	2	7	13	2	3.2
				HR(P)	6	0	0	0	4	6	0	2
				HR(I)	0	0	0	0	4	3	0	
		CPT SL	2	CPT SL	1	1	2	2	2	2	1	1.6
		HR(S)	1	HR(S)	2	tt	2	4	4	10	3	2.7
				HR(P)	2		0	0	4	1	0	1.2
				HR(I)	0		0	0	0	0	0	
(2) Movement Control	TC	LT SL	2	LT SL	3	2	2	4	2	2	2	2.4b
		HR(S)	3	HR(S)	1	ss	1	0	7	7	2	2.3
				HR(P)	0	0	0	0	0	3	0	0.4
				HR(I)	6	0	0	0	0	0	0	
		CPT SL	2	CPT SL	1	1	2	3	2	2	1	1.7b
		HR(S)	1	HR(S)	3	tt	1	1	4	8	3	2.2
				HR(P)	2		0	0	4	8	0	2.3
				HR(I)	0		0	0	0	0	0	
C. Field Services Operations	QM	LT SL	3	LT SL	3	2	2	3	2	2	2	2.4b
		HR(S)	4	HR(S)	1	1	2	2	21	4	2	2.3
				HR(P)	0	2	0	0	11	1	0	1
				HR(I)	0	0	0	0	60	0	0	
		CPT SL	3	CPT SL	2	1	2	3	1	2	2	2.1b
		HR(S)	5	HR(S)	3	1	2	2	163	4	2	2.7
				HR(P)	0		0	0	5	1	0	1
				HR(I)	0		0	0	5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
D. Maintenance Operations												
(1) Recovery/Evacuation	OD	LT SL	2	LT SL	2	2	4	3	3	2	2	2.6
		HR(S)	18	HR(S)	18	2	0	1	6	5.5	3	5.1
				HR(P)	15	1	0	0	2	6	0	3.4
				HR(I)	0	0	0	0	5	0	0	
		CPT SL	1	CPT SL	1	1	4	3	2	1	1	1.9
		HR(S)	6	HR(S)	6	2	0	1	2	4.2	4	2.7
				HR(P)	0		0	0	1	5	0	1
				HR(I)	2.5		0	0	1	0	0	
(2) Command and Staff Management of Preventive Maintenance	OD	LT SL	1	LT SL	1	2	1	3	2	1	1	1.6b
		HR(S)	4	HR(S)	4	2	4	1	8	6	3	4
				HR(P)	4	6	2	2	4	95	0	3.1
				HR(I)	0	0	0	0	4	0	0	
		CPT SL	1	CPT SL	1	1	1	3	2	1	1	1.4
		HR(S)	3	HR(S)	3	4	4	1	4	6	4	3.7
				HR(P)	0		2	2	4	4	0	2
				HR(I)	38		0	0	4	0	0	
(3) The Army Maintenance Management System (TAMMS)	OD	LT SL	2	LT SL	2	2	2	2	2	2	1	1.9
		HR(S)	6	HR(S)	6	8	1	4	14	10	3	6.6
				HR(P)	8	8	0	0	7	7	0	4.3
				HR(I)	0	0	0	0	14	1	0	
		CPT SL	1	CPT SL	1	1	2	2	1	1	1	1.3
		HR(S)	3	HR(S)	3	6	1	4	4	8	4	4.3
				HR(P)	0		0	0	7	7	1	2.3
				HR(I)	38		0	0	2	2	0	
E. Personnel and Administration Operations												
(1) Manpower Accountability	SSC	LT SL	2	LT SL	3	2	1	2	2	3	1	2.1b
		HR(S)	4	HR(S)	8	uu	16	2	3	3	3	3.8
				HR(P)	0	1	8	0	0	1	2	1.1
				HR(I)	0	0	0	0	0	0.5	0	
		CPT SL	1	CPT SL	1	1	1	2	1	2	1	1.3b
		HR(S)	6	HR(S)	3	vv	16	2	4	3	4	3.7
				HR(P)	5		8	0	4	2	0	2.8
				HR(I)	0		4	0	0	1	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(2) Casualty Reporting	SSC	LT	SL	3	LT SL	3	2	1	3	3	3	3	2.9b
			HR(S)	1	HR(S)	0	uu	8	1	2	1	3	1.3
					HR(P)	0	1	5	0	0	0.3	2	0.6
					HR(I)	0	0	0	0	0	0.1	0	
		CPT	SL	3	CPT SL	2	1	1	3	2	2	3	2.3b
			HR(S)	1	HR(S)	0	vv	8	1	3	1.5	4	1.8
					HR(P)	0		7	0	2	0.3	1	0.7
					HR(I)	0		2	0	0	0.1	0	
(3) Replacements	SSC	LT	SL	2	LT SL	3	2	1	3	3	3	2	2.6b
			HR(S)	4	HR(S)	0	uu	8	1	2	1	3	1.8
					HR(P)	0	1	4	0	0	0.3	0	0.8
					HR(I)	0	0	0	0	0	0.1	0	
		CPT	SL	2	CPT SL	2	1	1	3	2	3	2	2.1b
			HR(S)	4	HR(S)	1	vv	16	1	2	1	4	2.2
					HR(P)	0		5	0	2	0.3	1	1.2
					HR(I)	0		3	0	0	0.1	0	
F. Medical Services													
(1) First Aid	AHS	LT	SL	1	LT SL	2	2	1	2	2	2	1	1.7b
			HR(S)	4	HR(S)	0	4	2	2	16	4.5	12	4.6
					HR(P)	0	3	1	1	3	3	12	2.1
					HR(I)	1	0	0	0	16	0	0	
		CPT	SL	1	CPT SL	2	1	1	2	2	2	1	1.6
			HR(S)	4	HR(S)	0	1	2	2	8	3.5	3	2.8
					HR(P)	0		0	0	0	0.3	0	0.1
					HR(I)	0		0	0	4	0	0	
(2) Medical Evacuation	AHS	LT	SL	2	LT SL	3	3	2	3	2	3	1	2.6b
			HR(S)	2	HR(S)	1	1	1	1	3	6.5	1	2.1
					HR(P)	0	1	0	0	0	0.3	1	0.3
					HR(I)	0	0	0	0	2	0	0	
		CPT	SL	1	CPT SL	2	2	2	3	2	2	1	2.b
			HR(S)	2	HR(S)	0	1	1	1	2	9	4	2.3
					HR(P)	0		0	0	0	0.3	4	0.4
					HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
G. Reconstitution of Ineffective Units	LOGCEN	LT SL 2	LT SL	3	3	3	3	3	4	3	3.1
		HR(S) 2	HR(S)	2	1	1	2	3	0	1	1.4
			HR(P)	0	0	0	0	2	0.1	0	0.3
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 1	CPT SL	3	2	3	1	2	3	3	2.4
		HR(S) 4	HR(S)	0	2	1	4	2	1	1	1.6
			HR(P)	0		0	0	0.5	1	1	0.4
			HR(I)	0.5		0	0	0.5	0	0	
10. Special/Other Operations											
A. Low Intensity Conflict											
(1) Counterinsurgency Operations	IN	LT SL 3	LT SL	3	3	4	4	2	3	3	3.1
		HR(S) 2	HR(S)	2	1	0	0	3	1	1	1.1
			HR(P)	0	0	0	0	2	0	0	0.3
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	3	4	3	2	3	3	3
		HR(S) 2	HR(S)	0	2	0	1	2	1	1	1
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0		0	0	1	0	0	
(2) Counterterror Operations	MP/IMA/CGSC	LT SL 2/3	LT SL	3	4	4	4	3	3	3	3.4
		HR(S) 20/1	HR(S)	0	0	0	0	3	1	1	0.7
			HR(P)	0	0	0	0	4	0.2	0	0.6
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 1/3	CPT SL	3	3	4	4	2	3	3	3.1
		HR(S) 36/1	HR(S)	0	2	0	0	3	1	1	1
			HR(P)	0		0	0	0.5	0.5	0	0.2
			HR(I)	0		0	0	0	0	0	
(3) Foreign Internal Defense	IMA	LT SL 3	LT SL	3	4	4	4	4	3	3	3.6
		HR(S) 1	HR(S)	0	0	0	0	0	0.5	1	0.2
			HR(P)	0	0	0	0	0	0	0	0
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	4	4	4	3	3	3	3.4
		HR(S) 1	HR(S)	0	0	0	0	2	0.5	1	0.5
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0		0	0	1	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MI	AG	FI	QM	TC	MS	CSS MEAN
B. Special Forces Operations	IMA	LT SL	3	LT SL	3	4	4	4	3	3	3	3.4
		HR(S)	1	HR(S)	0	0	0	0	1	1	1	0.4
				HR(P)	0	0	0	0	1	0	0	0.1
				HR(I)	0	0	0	0	0	0	0	
		CPT SL	3	CPT SL	3	3	4	4	3	3	3	3.3
		HR(S)	1	HR(S)	0	2	0	0	1	1	1	0.7
				HR(P)	0		0	0	0	0.5	0	0.1
				HR(I)	0		0	0	0	0	0	
C. Unconventional Warfare	IMA	LT SL	3	LT SL	3	4	4	4	3	3	3	3.4
		HR(S)	1	HR(S)	1	0	0	0	1	1	1	0.6
				HR(P)	0	0	0	0	1	0	0	0.1
				HR(I)	0	0	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	4	4	3	3	3	3.1
		HR(S)	1	HR(S)	0	1	0	0	2	1	1	0.7
				HR(P)	0		0	0	0	2	0	0.3
				HR(I)	0	0	0	0	0.5	0	0	
D. Psychological Operations	IMA	LT SL	3	LT SL	3	3	4	4	3	3	2	3.1
		HR(S)	1	HR(S)	0	1	0	0	1	1	1	0.6
				HR(P)	0	0	0	0	1	0	0	0.1
				HR(I)	0	0	0	0	0	0.2	0	
		CPT SL	3	CPT SL	3	2	4	4	3	3	3	3.1
		HR(S)	1	HR(S)	0	1	0	0	2	1	1	0.7
				HR(P)	0		0	0	0	0.2	0	0
				HR(I)	0		0	0	0	0.2	0	
E. Civil Affairs	IMA	LT SL	3	LT SL	3	3	3	3	3	3	2	2.9
		HR(S)	1	HR(S)	1	1	1	1	2	1	1	1.1
				HR(P)	0	0	0	0	2	2	0	0.6
				HR(I)	0	1	0	0	0	0	0	
		CPT SL	3	CPT SL	3	2	3	3	3	3	3	2.9
		HR(S)	1	HR(S)	0	2	1	1	2	1	1	1.1
				HR(P)	0		0	0	0	0.2	1	0.2
				HR(I)	0.1		0	0	0.5	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
F. Amphibious Operations	IN	LT	SL	3	LT SL	3	4	4	4	3	3	3	3.4
			HR(S)	2	HR(S)	1	0	0	0	5	1	1	1.1
					HR(P)	0	0	0	0	1	0	0	0.1
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	3	4	4	2	2	3	3
			HR(S)	2	HR(S)	0	1	0	0	3	3.5	1	1.2
					HR(P)	0		0	0	0	3	0	0.5
					HR(I)	0		0	0	0	0	0	
G. Airborne Operations	IN	LT	SL	3	LT SL	3	4	4	4	3	3	3	3.4
			HR(S)	2	HR(S)	0	0	0	0	3	1	1	0.7
					HR(P)	0	0	0	0	1	0.2	2	0.5
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	2	3	3	2	3	3	2.7
			HR(S)	2	HR(S)	0.5	2	1	1	5	1	1	1.6
					HR(P)	0		0	0	0	0.2	2	0.4
					HR(I)	0.1		0	0	0	0	0	
H. Airmobile Operations	IN/AV	LT	SL	3/3	LT SL	3	4	4	4	3	3	3	3.4
			HR(S)	2/4	HR(S)	0	0	0	0	3	1	1	0.7
					HR(P)	0	0	0	0	1	0.2	2	0.5
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3/2	CPT SL	3	2	3	3	2	3	3	2.7
			HR(S)	2/2	HR(S)	0.5	2	1	1	2	1	1	1.2
					HR(P)	0		0	0	0	0.2	2	0.4
					HR(I)	0.1		0	0	0	0	0	
I. Ranger Operations	IN	LT	SL	3	LT SL	3	4	4	4	3	3	3	3.4
			HR(S)	1	HR(S)	0	0	0	0	2	1	1	0.6
					HR(P)	0	0	0	0	0	0	0	0
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3	CPT SL	3	2	4	3	3	3	3	3
			HR(S)	1	HR(S)	0	1	0	1	2	1	1	0.9
					HR(P)	0		0	0	0	0	0	0
					HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required		OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
J. Operations in Special Terrain											
(1) Desert	IN/AR	LT SL 3	LT SL	3	4	4	4	3	3	2	3.3
		HR(S) 1	HR(S)	1	0	0	0	2	1	1	0.7
			HR(P)	0	0	0	0	2	0	0	0.3
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	2	4	3	2	3	1	2.6
		HR(S) 1	HR(S)	0	ww	0	1	2	1	1	0.8
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0.1		0	0	1	0	0	
(2) Jungle	IN	LT SL 3	LT SL	3	4	4	4	3	3	2	3.3
		HR(S) 1	HR(S)	1	0	0	0	1	1	1	0.6
			HR(P)	0	0	0	0	1	0	0	0.1
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	2	4	4	2	3	1	2.7
		HR(S) 1	HR(S)	0	ww	0	0	2	1	1	0.7
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0.1		0	0	0	0	0	
(3) Mountain	IN	LT SL 3	LT SL	3	4	4	4	3	3	2	3.3
		HR(S) 1	HR(S)	1	0	0	0	2	1	1	0.7
			HR(P)	0	0	0	0	1	0	0	0.1
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	2	4	4	2	3	1	2.7
		HR(S) 1	HR(S)	0	ww	0	0	2	1	1	0.7
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0.1		0	0	0	0	0	
(4) Northern Terrain	IN	LT SL 3	LT SL	3	4	4	4	3	3	2	3.3
		HR(S) 1	HR(S)	1	0	0	0	1	1	1	0.6
			HR(P)	0	0	0	0	1	0	0	0.1
			HR(I)	0	0	0	0	0	0	0	
		CPT SL 3	CPT SL	3	2	4	4	2	3	1	2.7
		HR(S) 1	HR(S)	0	ww	0	0	2	1	1	0.7
			HR(P)	0		0	0	0	0	0	0
			HR(I)	0		0	0	0	0	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(5) Military Operations in Urban Terrain (MOUT)	IN	LT	SL	2	LT SL	3	3	2	3	3	3	3	2.9
			HR(S)	4	HR(S)	1	2	2	1	1	2	1	1.4
					HR(P)	0	1	0	0	4	0.3	0	0.8
					HR(I)	0	0	0	0	4	0	0	
		CPT	SL	2	CPT SL	3	2	2	3	2	1	3	2.3
			HR(S)	4	HR(S)	0.5	10	2	1	11	3	1	4.1
					HR(P)	0		0	0	3	2	0	0.8
					HR(I)	1		0	0	4	0	0	
K. River Crossing	IN/AR/EN	LT	SL	3/3/3	LT SL	4	3	4	4	3	3	3	3.3
			HR(S)	1/2/1	HR(S)	0	v	0	0	2	2	1	0.8
					HR(P)	0	0	0	0	1	0.2	0	0.2
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	3/3	CPT SL	3	2	4	3	2	2	3	2.7
			HR(S)	2/2	HR(S)	0.5	w	0	1	2	2	1	1.1
					HR(P)	0		0	0	0	0.2	0	0
					HR(I)	0		0	0	0	0	0	
L. Tactical Deception Operations	CGSC	LT	SL	2	LT SL	3	3	4	4	3	2	3	3.1
			HR(S)	4	HR(S)	0.5	ff	0	0	3	1.4	0.2	0.9
					HR(P)	0	0	0	0	2	0.2	0	0.3
					HR(I)	0	0	0	0	0	0	0	
		CPT	SL	2	CPT SL	3	2	4	3	2	2	3	2.7
			HR(S)	4	HR(S)	0.5	gg	0	1	3	1	0.3	1
					HR(P)	0.5		0	0	1	0.3	0	0.3
					HR(I)	0.2		0	0	0.5	0	0	
M. Rear Area Combat Operations													
(1) Organization for Combat	CGSC/MP	LT	SL	3/2	LT SL	2	2	1	2	2	2	3	2
			HR(S)	1/3	HR(S)	1	xx	4	4	11	2	1	3.8
					HR(P)	1	yy	0	0	8	0.3	0	1.6
					HR(I)	0	zz	5	5	1	0	0	
		CPT	SL	3/1	CPT SL	1	1	1	1	1	1	1	1
			HR(S)	2/3	HR(S)	0.5	aaa	4	4	5	3	1	2.9
					HR(P)	0.5		0	0	2	1	2	0.9
					HR(I)	0		6	6	0.5	0	2	

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SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required				OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
(2) Perimeter Defense	CGSC/MP	LT	SL	2/2	LT SL	2	2	1	2	2	2	3	2
			HR(S)	8/10	HR(S)	16	xx	4	4	11	4	1	6.7
					HR(P)	5	yy	0	0	12	3.3	0	3.4
					HR(I)	0	zz	0	0	7	100	0	
		CPT	SL	2/1	CPT SL	1	1	1	1	1	1	1	1
			HR(S)	8/7	HR(S)	0.5	aaa	4	4	6	4	1	3.3
					HR(P)	5		0	0	8	2	0	2.5
					HR(I)	16		0	0	0.5	0.5	0	
(3) Active/Passive Security	CGSC/MP	LT	SL	2/2	LT SL	1	2	1	2	2	2	3	1.9
			HR(S)	4/6	HR(S)	2	xx	4	4	11	3	1	4.2
					HR(P)	2	yy	0	0	8	3	0	2.2
					HR(I)	0	zz	0	0	2	0	0	
		CPT	SL	2/1	CPT SL	1	1	1	1	1	1	1	1
			HR(S)	4/4	HR(S)	1	aaa	4	4	4	4	1	4.2
					HR(P)	0.2		0	0	4	2	1	1.2
					HR(I)	0.1		0	0	1	0	0	
(4) Weapons Employment	CGSC/MP	LT	SL	1/2	LT SL	1	2	1	2	2	2	3	1.9
			HR(S)	8/14	HR(S)	4	xx	4	4	11	4	1	4.7
					HR(P)	2	yy	0	0	8	2	0	2
					HR(I)	0	zz	4	4	0	8	0	
		CPT	SL	1/1	CPT SL	1	1	1	1	1	1	3	1.3
			HR(S)	8/14	HR(S)	0.5	aaa	4	4	3	4	1	2.8
					HR(P)	0.5		0	0	0.5	1	0	0.3
					HR(I)	16		0	0	0.5	0	0	
(5) Physical Layout of Rear Area	CGSC/MP	LT	SL	2/2	LT SL	3	2	1	2	2	2	3	2.1
			HR(S)	4/4	HR(S)	2	xx	4	2	10	4	1	3.8
					HR(P)	2	yy	0	0	4	0.5	0	1.1
					HR(I)	0	zz	0	0	0	2	0	
		CPT	SL	2/2	CPT SL	1	1	1	1	1	1	1	1
			HR(S)	4/2	HR(S)	3	aaa	4	4	4	4	1	3.3
					HR(P)	0		0	0	1	1	0	0.3
					HR(I)	0		0	0	0	0.2	0	

SUBJECT	Proponent	Proponent Sufficiency Level/ Hours Required			OD	MM°	AG	FI	QM	TC	MS	CSS MEAN
11. Leadership	CGSC	LT SL 1	LT	SL	2	2	1	2	1	2	2	1.7
		HR(S) 30		HR(S)	29	p	40	40	34	10	10	27.2
				HR(P)	24	q	40	40	20	4	5	22.2
				HR(I)	0	r	0	0	15	4	0	
		CPT SL 1	CPT	SL	1	1	1	1	1	2	1	1.1
		HR(S) 50		HR(S)	32	s	40	16	46	7	40	30.2
				HR(P)	72		40	40	45	24	40	43.5
				HR(I)	0		0	0	25	12	0	
TOTAL HOURS												
			LT	HR(S)	311.4	198	218	197	836	312.9	201.3	324.8
				HR(P)	136.3	161	111	94	517	283.9	105.6	201.3
				HR(I)	93.5	58	35	35	266	146.6	9	
			CPT	HR(S)	385	278	237	226	1342	324.2	242.1	433.5
				HR(P)	252.2		116	96	548.5	317.1	119.6	241.6
				HR(I)	368		29	20	205.5	44.2	35	

FOOTNOTES

a. Initial Entry Rotary Wing Course data used for Aviation LT, and Warrant Officer Advanced Course data used for Aviation CPT.

b. Proponent recommended sufficiency level and hours used to compute the mean.

c. Field Artillery indicates 15 hours required for Offensive Operations in OBC.

d. Field Artillery indicates 22 hours required for Offensive Operation in OAC.

e. Field Artillery indicates 15 hours required for Defensive Operations in OBC.

f. Field Artillery indicates 27 hours required for Defensive Operations in OAC.

g. Field Artillery indicates 9 hours required for Reconnaissance and Security Operations in OAC.

h. Field Artillery indicates 4 hours required for Air Defense in OAC.

i. Field Artillery indicates 4 hours required for Engineer Operations in OAC.

j. Signal School data does not reflect SC 72 data.

k. Signal School indicates 1 hour required for Defensive Doctrine and Fundamentals in OBC and OAC.

l. Signal School devotes 0.5 hours to Defensive Doctrine and Fundamentals in OBC.

m. Signal School devotes 3 hours to Defensive Doctrine and Fundamentals in OAC.

n. Signal School devotes 1 hour to Defensive Doctrine and Fundamentals in OAC.

o. Missile and Munitions OAC POI data not available.

p. Missile and Munitions indicates 40 hours required for Organizational Basics in OBC.

q. Missile and Munitions devotes 40 hours for Organizational Basics in OBC.

r. Missile and Munitions devotes 18 hours for Organizational Basics in OBC.

s. Missile and Munitions indicates 55 hours required for Organizational Basics in OAC.

t. Missile and Munitions indicates 3 hours required for Electronic Warfare in OBC.

u. Missile and Munitions indicates 9 hours required for Electronic Warfare in OAC.

v. Missile and Munitions indicates 12 hours required for Tactical Basics in OBC.

w. Missile and Munitions indicates 9 hours required for Tactical Basics in OAC.

x. Missile and Munitions indicates 3 hours required for Intelligence in OBC.

y. Missile and Munitions devotes 1 hour to Intelligence in OBC.

z. Missile and Munitions indicates 5 hours required for Intelligence in OAC.

aa. Missile and Munitions indicates 4 hours required for AD in OBC.

bb. Missile and Munitions indicates 8 hours required for AD in OAC.

cc. Missile and Munitions indicates 5 hours required for Threat in OBC.

dd. Missile and Munitions devotes 6 hours to Threat in OBC.

ee. Missile and Munitions indicates 8 hours required for Threat in OAC.

ff. Missile and Munitions indicates 5 hours required for Offensive Operations in OBC.

gg. Missile and Munitions indicates 5 hours required for Offensive Operations in OAC.

hh. Missile and Munitions indicates 5 hours required for Defensive Operations in OBC.

ii. Missile and Munitions indicates 9 hours required for Defensive Operations in OAC.

jj. Missile and Munitions indicates 2 hours required for Retrograde Operations in OAC.

kk. Missile and Munitions indicates 3 hours required for Reconnaissance and Security Operations in OAC.

ll. Missile and Munitions indicates 2 hours required for USA Operational Concepts in OBC.

mm. Missile and Munitions indicates 3 hours required for USA Operational Concepts in OAC.

nn. Missile and Munitions indicates 1 hour required for Engineer Operations in OBC.

oo. Missile and Munitions indicates 5 hours required for Engineer Operations in OAC.

pp. Missile and Munitions indicates 1 hour required for Army Aviation in OBC.

qq. Missile and Munitions devotes 1 hour to Army Aviation in OBC.

rr. Missile and Munitions indicates 3 hours required for Army Aviation in OAC.

ss. Missile and Munitions indicates 5 hours required for Transportation in OBC.

tt. Missile and Munitions indicates 18 hours required for Transportation in OAC.

uu. Missile and Munitions indicates 11 hours required for Manpower in OBC.

vv. Missile and Munitions indicates 6 hours required for Manpower in OAC.

ww. Missile and Munitions indicates 4 hours required for Special Environments in OAC.

xx. Missile and Munitions indicates 20 hours required for Rear Area Combat Operations in OBC.

yy. Missile and Munitions devotes 10 hours to RACO in OBC.

zz. Missile and Munitions devotes 12 hours to RACO in OBC.

aaa. Missile and Munitions indicates 12 hours required for RACO in OAC.

bbb. Infantry School indicates subject integrated throughout 419 hours of FTX's.

ccc. Infantry School indicates subject included in Defensive Operations.

ddd. Infantry School indicates subject emphasized throughout the course.

eee. Infantry School indicates 8 hours required for Defense in OBC.

fff. Infantry School devotes 3 hours to Defense in OBC.

ggg. Infantry School indicates 9 hours required for Defense in OAC.

hhh. Infantry School devotes 1 hour to Defense in OAC.

jjj. Infantry School indicates subject included in Patrolling.

ANNEX G

COMBINED ARMS SUBJECTS RATED HIGH BY SERVICE SCHOOLS

ANNEX G-1

COMBINED ARMS SUBJECTS FOR OFFICER BASIC COURSES

(RATED BY THE SERVICE SCHOOLS AT SUFFICIENCY LEVEL 1 AND SUFFICIENCY LEVEL 2)

ANNEX G-1

COMBAT ARMS MANEUVER OBC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. USA Airland Battle Operational Concept	2	3
b. Organization/Preparation for Combat	2	12
2. Command, Control and Communications (C^3)		
a. Decision Making	2	5
b. Plans, Orders, Estimates, Graphics, Records and Reports	2	13
c. Command and Control Communications (C^3)	2	6
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	3
b. Electronic Warfare		
(1) ECM	2	2
4. Air Defense		
a. Unit Active AD Measures	2	2
b. Unit Passive AD Measures	2	1
5. Close Combat		
a. Fundamentals of Combat (Tactical Basics)		
(1) Battlefield Movement	2	10
(2) OPSEC (includes SIGSEC)	2	8
(3) Passage of Lines	2	4
(4) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	36

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
b. Threat		
(1) Offensive Operations	2	2
(2) Defensive Operations	2	2
c. Offensive Operations		
(1) Concepts/Fundamentals	2	8
(2) Movement to Contact	2	8
(3) Hasty Attack	2	8
(4) Deliberate Attack	2	8
(5) MOUT Operations	2	7
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Covering Force Area	2	2
(b) Main Battle Area	2	2
(2) Defense in Sector	2	4
(3) Defense from Battle Positions		
(a) Linear	2	4
(b) Perimeter	2	4
(4) Defense In-Depth	2	4
(5) Strong Points	2	1
(6) Counterattack	2	3
(7) MOUT Operations	2	7
e. Retrograde Operations		
(1) Delay	2	4
(2) Withdrawal	2	4
f. Reconnaissance and Security Operations		
(1) Concepts/Fundamentals	2	4

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
6. Fire Support		
a. Indirect Fire Support		
(1) Request and Adjust Indirect Fire	2	15
(2) FA Organization, Command and Control	2	2
b. Close Air Support	2	3
7. Engineer Operations (Combat Support)		
a. Mobility	2	1
b. Countermobility	2	4
c. Survivability	2	5
8. Army Aviation		
a. Combat Aviation	2	3
b. Combat Support Aviation	2	3
9. Combat Service Support		
a. Transportation Operations (Convoy Operations)	2	1
b. Maintenance Operations		
(1) Recovery and Evacuation	2	6
(2) Command and Staff Management of Preventive Maintenance	2	3
(3) The Army Maintenance Management System	2	6
c. Medical Services		
(1) First Aid	1	2
(2) Medical Evacuation	2	1
10. Special/Other Operations		
a. Airmobile Operations	2	13
b. MOUT	2	7
c. River Crossing Operations	2	3
11. Leadership	2	33

ANNEX G-1

COMBAT ARMS NON-MANEUVER OBC COMBINED ARMS SUBJECTS
RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	1
b. USA Airland Battle Operational Concept	2	4
c. Organization/Preparation for Combat	2	4
2. Command, Control and Communications (C^3)		
a. Staff Procedures in Combat	2	3
b. Decision Making	2	3
c. C^3CM	2	10
d. Plans, Orders, Estimates, Graphics, Records and Reports	2	6
e. Command and Control Communications (C^3)	2	4
3. Intelligence and Electronic Warfare		
a. ECM	2	1
4. Air Defense		
a. Unit Active AD Measures	2	1
b. Unit Passive AD Measures	2	1
5. Close Combat		
a. Tactical Basics		
(1) OPSEC (includes SIGSEC)	2	3
(2) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	10
(3) Battlefield Movement	2	4

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
b. Threat		
(1) Missions/Roles of Threat Armed Forces	2	4
(2) Organization/Equipment	2	4
(3) Offensive Operations	2	4
(4) Defensive Operations	2	4
(5) Combat Support	2	3
(6) Special Operations	2	3
c. Offensive Operations		
(1) Concepts/Fundamentals	2	2
(2) Movement to Contact	2	1
(3) Hasty Attack	2	1
(4) Deliberate Attack	2	1
(5) Exploitation	2	1
(6) Pursuit	2	1
(7) Relief of Encircled Forces	2	1
(8) Reconnaissance in Force	2	1
(9) MOUT Operations	2	1
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Covering Force Area	2	2
(b) Main Battle Area	2	2
(c) Rear Area	2	2
(2) Defense In Sector	2	1
(3) Defense From Battle Positions		
(a) Linear	2	2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(b) Perimeter	2	5
(4) In-Depth	2	2
(5) Strong Points	2	2
(6) Counterattack	2	1
(7) MOUT Operations	2	1
6. Fire Support		
a. Request and Adjust Indirect Fire	2	3
b. Close Air Support	2	5
7. Combat Service Support		
a. Logistics Operations (Supply)	2	10
b. Transportation Operations (Convoy Operations)	2	1
c. Maintenance Operations		
(1) Recovery and Evacuation	2	2
(2) Command and Staff Mgmt of Preventive Maintenance	2	4
(3) The Army Maintenance Mgmt System (TAMMS)	1	6
d. Medical Services		
(1) First Aid	2	4
(2) Medical Evacuation	2	1
8. Special/Other Operations		
a. Tactical Deception Ops	2	1
9. Leadership	1	27

ANNEX G-1

COMBAT SUPPORT OBC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	1
b. USA Airland Battle Operational Concept	2	5
c. Organization/Preparation for Combat	2	10
2. Command, Control and Communications (C^3)		
a. Staff Procedures in Combat	2	5
b. Decision Making	2	8
c. Plans, Orders, Graphics, Records, Reports	2	12
d. Command, Control and Communications (C^3)	2	4
e. Command, Control and Communications Countermeasures (C^3CM)	2	1
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	2
b. HUMINT	2	1
c. Intelligence Preparation of the Battlefied (IPB)	2	1
d. Tactical All-Source Intelligence Production	2	1
4. Close Combat		
a. Tactical Basics		
(1) Battlefield Movement	2	10
(2) OPSEC (to include SIGSEC)	2	4
(3) Passage of Lines	2	1

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(4) Operations During Obscured Battlefield Conditions (to include Smoke Operations)	2	8
(5) Patrolling	2	15
b. Threat Background		
(1) Missions/Roles of the Armed Forces	2	1
(2) Organization/Equipment	2	2
(3) Offensive Operations	2	3
(4) Defensive Operations	2	3
(5) Combat Support	2	3
(6) Special Operations	2	2
c. Offensive Operations		
(1) Concepts/Fundamentals	2	3
(2) Movement to Contact	2	1
(3) Hasty Attack	2	1
(4) Deliberate Attack	2	2
(5) Exploitation	2	1
(6) Pursuit	2	1
(7) MOUT	2	3
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Covering Force Area	2	2
(b) Main Battle Area	2	2
(c) Rear Area	2	2
(2) Defense in Sector	2	1
(3) Defense from Battle Positions		

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(a) Perimeter	2	3
(4) MOUT	2	3
e. Reconnaissance and Security Operations		
(1) Reconnaissance	2	3
5. Fire Support		
a. Indirect Fire Support		
(1) Request/Adjust Fire	2	5
(2) Organization, Command and Control of Artillery	2	2
d. Close Air Support	2	2
6. Combat Service Support		
a. Logistics Operations (Supply)	2	15
b. Field Services	2	1
c. Maintenance Operations		
(1) Recovery and Evacuation	2	1
(2) Command & Staff Mgmt of Prev Maintenance	2	2
(3) The Army Maintenance Mgmt System (TAMMS)		
d. Personnel and Administration Operations		
(1) Accountability	2	1
(2) Casualty Reporting	2	1
e. Medical Services		
(1) First Aid	2	5
(2) Medical Evacuation	2	1
7. Special/Other Operations		
a. Counterterror Operations	2	4
b. Airmobile	2	1
c. River Crossing	2	2
8. Leadership	2	49

ANNEX G-1

COMBAT SERVICE SUPPORT OBC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	2
b. USA Airland Battle Operational Concept	2	4
c. Organization/Preparation for Combat	2	5
2. Command, Control and Communications (C^3)		
a. Staff Procedures in Combat	2	5
b. Decision Making	2	5
c. Plans, orders, graphics, records, reports	2	5
d. Command, Control and Communications (C^3)	2	5
3. Air Defense		
a. Unit Active AD Measures	2	2
b. Unit Passive AD Measures	2	2
4. Close Combat		
a. Tactical Basics		
(1) Battlefield Movement	2	5
(2) OPSEC (To include SIGSEC)	2	4
(3) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	5
(4) Patrolling	2	8
b. Threat Background		
(1) Missions/Roles of the Armed Forces	2	2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(2) Organization/Equipment	2	2
c. Offensive Operations		
(1) Concepts/Fundamentals	2	2
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Rear Area	2	5
(2) Defense In Sector	2	5
(3) Defense from Battle Positions	2	2
(a) Perimeter	2	4
(4) Strong Points	2	1
5. Fire Support		
a. Indirect Fire Support		
(1) Request/Adjust Fire	2	3
6. Combat Service Support		
a. Logistics Operations		
(1) Supply	2	24
(2) Ammo Support Structure & Requisitioning	2	2
b. Transportation Operations		
(1) Convoy Operations	2	3
(2) Movement Control	2	3
c. Field Services	2	2
d. Maintenance Operations		
(1) Recovery and Evacuation	2	5
(2) Command & Staff Mgmt of Preventive Maintenance	2	4
(3) The Army Maintenance Management System (TAMMS)	2	6
e. Personnel and Administration Operations		
(1) Accountability	2	3

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(2) Casualty Reporting	2	1
f. Medical Services		
(1) First Aid	2	4
(2) Medical Evacuation	2	2
7. Special/Other Operations		
a. Rear Area Ops		
(1) Organization for Combat	2	4
(2) Perimeter Defense	2	7
(3) Active/Passive Security	2	4
(4) Weapons Employment	2	4
(5) Physical Layout of Rear Area	2	4
8. Leadership	2	27

ANNEX G-2

COMBINED ARMS SUBJECTS FOR OFFICER ADVANCED COURSES

(RATED BY THE SERVICE SCHOOLS AT SUFFICIENCY LEVEL 1 AND SUFFICIENCY LEVEL 2)

ANNEX G-2

COMBAT ARMS MANEUVER OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	2
b. USA Airland Battle Operational Concept	2	5
c. Organization/Preparation for Combat	1	36
2. Command, Control and Communications (C^3)		
a. Staff Procedures in Combat	2	9
b. Decision Making	2	6
c. Plans, Orders, Estimates, Graphics Records and Reports	1	15
d. Command and Control Communications (C^3)	2	8
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	8
b. Electronic Warfare		
(1) ESM	2	1
(2) ECM	2	1
c. Tactical All-Source Intelligence Production	2	3
d. Intelligence Preparation of the Battlefield	2	4
4. Air Defense		
a. SHORAD	2	1
b. Manportable AD Systems	2	1
c. Unit Active AD Measures	2	1
d. Unit Passive AD Measures	2	1

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
5. Close Combat		
a. Fundamentals of Combat (Tactical Basics)		
(1) Battlefield Movement	1	12
(2) OPSEC (includes SIGSEC)	2	9
(3) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	13
(4) Patrolling	2	3
b. Threat		
(1) Missions/Roles of Threat Armed Forces	2	2
(2) Organization/Equipment	2	3
(3) Offensive Operations	1	6
(4) Defensive Operations	1	4
(5) Combat Support	2	11
c. Offensive Operations		
(1) Concepts/Fundamentals	1	5
(2) Movement to Contact	1	6
(3) Hasty Attack	1	6
(4) Deliberate Attack	1	26
(5) Exploitation	2	1
(6) Pursuit	2	1
(7) Relief of Encircled Forces	2	2
(8) Reconnaissance in Force	2	4
(9) MOUT Operations	2	11
d. Defensive Operations		
(1) Concepts/Fundamentals		

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(a) Covering Force Area	2	2
(b) Main Battle Area	2	2
(c) Rear Area	2	2
(2) Defense in Sector	2	12
(3) Defense from Battle Positions		
(a) Linear	2	1
(b) Perimeter	2	2
(4) In-Depth	2	25
(5) Strong Points	2	2
(6) Counterattack	2	4
(7) Breakout/Linkup	2	3
(8) MOUT Operations	2	11
e. Retrograde Operations		
(1) Delay	2	6
(2) Withdrawal	2	3
f. Reconnaissance and Security Operations		
(1) Concepts/Fundamentals	2	2
(2) Reconnaissance	2	5
(3) Security	2	6
(4) Economy of Force	2	4
6. Fire Support		
a. Indirect Fire Support		
(1) Request and Adjust Fire	1	9
(2) FA Organization, Command and Control	1	6
(3) FA Priority Support in Airland Battle	2	1

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
b. Close Air Support	1	4
c. SEAD	2	2
7. Engineer Operations (Combat Support)		
a. Mobility	2	2
b. Countermobility	2	5
c. Survivability	2	2
8. Army Aviation		
a. Combat Aviation	1	6
b. Combat Support Aviation	2	7
c. Combat Service Support Aviation	2	2
9. Combat Service Support		
a. Logistics Operations		
(1) Supply	2	16
(2) Resupply/Basic Load Considerations	2	2
b. Transportation Operations	2	2
c. Maintenance Operations		
(1) Recovery and Evacuation	2	3
(2) Command and Staff Mgmt of PM	2	13
(3) The Army Maintenance Mgmt System	2	10
d. Personnel and Administration Operations		
(1) Accountability	2	1
(2) Casualty Reporting	2	1
e. Medical Services	2	2
10. Special/Other Operations		
a. Airmobile Operations	2	14
b. Operations in Special Terrain		

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S
(1) Desert Operations	2	3
(2) Jungle Operations	2	3
(3) Mountain Operations	2	3
(4) Northern Regions	2	2
(5) MOUT	2	11
c. River Crossing Operations	2	5
d. Tactical Deception Operations	2	2
11. Leadership	1	55

ANNEX G-2

COMBAT ARMS NON-MANEUVER OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	2
b. USA Airland Battle Operational Concept	2	9
c. Organization/Preparation for Combat	1	25
2. Command, Control, and Communications (C^3)		
a. Staff Procedures in Combat	2	22
b. Decision Making	1	24
c. Plans, Orders, Estimates, Graphics, Records and Reports	2	40
d. Command and Control Communications (C^3)	2	23
e. Command, Control and Communications Countermeasures (C^3CM)	2	7
f. Airspace Management	2	6
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	8
b. Electronic Warfare		
(1) ESM	2	3
(2) ECM	2	2
4. Air Defense		
a. Unit Active AD Measures	2	1
b. Unit Passive AD Measures	2	1
5. Close Combat		
a. Fundamentals of Combat (Tactical Basics)		

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(1) Battlefield Movement	2	10
(2) OPSEC (includes SIGSEC)	2	5
(3) Passage of Lines	2	2
(4) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	5
b. Threat		
(1) Missions/Roles of Threat Armed Forces	2	8
(2) Organization/Equipment	2	9
(3) Offensive Operations	2	8
(4) Defensive Operations	2	8
(5) Combat Support	2	9
(6) Special Operations	2	7
c. Offensive Operations		
(1) Concepts/Fundamentals	2	4
(2) Movement to Contact	2	2
(3) Hasty Attack	2	2
(4) Deliberate Attack	2	4
(5) Exploitation	2	2
(6) Pursuit	2	2
(7) Relief of Encircled Forces	2	1
(8) Reconnaissance in Force	2	1
(9) MOUT Operations	2	2
d. Defensive Operations		
(1) Concepts/Fundamentals		

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGF TIME REQUIRED HR(S)
(a) Covering Force Area	2	5
(b) Main Battle Area	1	12
(c) Rear Area	1	5
(2) Defense in Sector	2	15
(3) Defense from Battle Positions		
(a) Linear	2	3
(b) Perimeter	2	3
(4) In-Depth	2	4
(5) Strong Points	2	4
(6) Counterattack	2	2
(7) Breakout/Link Up	2	2
(8) MOUT Operations	2	2
e. Retrograde Operations		
(1) Delay	2	5
f. Reconnaissance and Security Operations		
(1) Concepts/Fundamentals	2	2
(2) Reconnaissance	2	1
(3) Security	2	2
(4) Economy of Force	2	2
6. Fire Support		
a. Indirect Fire Support		
(1) Request and Adjust Indirect Fire	2	4
(2) FA Priority Support in Airland Battle	2	2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
b. Close Air Support	2	6
c. SEAD	2	2
7. Engineer Operations (Combat Support)		
a. Mobility	2	1
b. Countermobility	2	1
c. Survivability	2	1
8. Combat Service Support		
a. Logistics Operations		
(1) Supply	2	12
(2) Resupply/Basic Load Considerations	2	3
b. Transportation Operations	2	2
c. Maintenance Operations		
(1) Recovery and Evacuation	2	2
(2) Command and Staff Management of Preventive Maintenance	1	7
(3) The Army Maintenance Mgmt System (TAMMS)	1	11
d. Personnel and Administration Operations	2	3
e. Medical Services	2	4
f. Reconstitution of Ineffective Units	2	2
9. Special/Other Operations		
a. River Crossing Operations	2	4
b. Tactical Deception Operations	2	2
c. Rear Area Combat Operations		
(1) Organization for Combat	2	13
(2) Perimeter Defense	2	1
(3) Active/Passive Security	2	1
(4) Weapons Employment	2	2
10. Leadership	1	43

ANNEX G-2

COMBAT SUPPORT OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	1	3
b. USA Airland Battle Operational Concept	2	8
c. Organization/Preparation for Combat	2	7
d. Force Modernization	2	4
(1) New Equipment		
(2) New Organization		
2. Command, Control, and Communications (C^3)		
a. Staff Procedures in Combat	1	7
b. Decision Making	1	4
c. Plans, Orders, Estimates, Graphics, Records and Reports	1	10
d. Command and Control Communications (C^3)	1	10
e. Command, Control and Communications Countermeasures (C^3CM)	2	6
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	4
b. Intelligence Preparation of the Battlefield	2	3
c. Tactical All-Source Intelligence Production	2	1
(1) SIGINT	2	1
(2) HUMINT	2	1
(3) CI	2	1

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
4. Air Defense		
a. SHORAD	2	1
b. Manportable AD Systems	2	1
c. Unit Active AD Measures	2	1
d. Unit Passive AD Measures	2	1
5. Close Combat		
a. Fundamentals of Combat (Tactical Basics)		
(1) Battlefield Movement	2	5
(2) OPSEC (includes SIGSEC)	1	4
(3) Passage of Lines	2	1
(4) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	8
(5) Patrolling	2	1
b. Threat		
(1) Missions/Roles of Threat Armed Forces	2	2
(2) Organization/Equipment	2	3
(3) Offensive Operations	2	3
(4) Defensive Operations	2	2
(5) Combat Support	2	5
(6) Special Operations	2	2
c. Offensive Operations		
(1) Concepts/Fundamentals	2	4
(2) Movement to Contact	2	2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(3) Hasty Attack	2	2
(4) Deliberate Attack	2	1
(5) Exploitation	2	1
(6) Pursuit	2	1
(7) MOUT Operations	2	1
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Covering Force Area	2	2
(b) Main Battle Area	1	4
(c) Rear Area	1	3
(2) Defense in Sector	2	1
(3) Defense from Battle Positions		
(a) Linear	2	1
(b) Perimeter	2	1
(4) In-Depth	2	2
(5) Strong Points	2	1
(6) Counterattack	2	1
(7) Breakout/Link Up	2	.5
(8) MOUT Operations	2	1
e. Retrograde Operations		
(1) Delay	2	1
(2) Withdrawal	2	1
(3) Retirement	2	2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
f. Reconnaissance and Security Operations		
(1) Concepts/Fundamentals	2	1
(2) Reconnaissance	2	2
(3) Security	2	.5
6. Fire Support		
a. Indirect Fire Support		
(1) Request and Adjust Indirect Fire	2	4
(2) FA Organization, Command & Control	2	3
b. Close Air Support	2	2
7. Combat Service Support		
a. Logistics Operations		
(1) Supply	2	21
b. Transportation Operations	2	3
c. Maintenance Operations		
(1) Recovery and Evacuation	2	1
(2) Command & Staff Mgmt of Preventive Maintenance	2	2
(3) The Army Maintenance Mgmt System (TAMMS)	2	7
e. Medical Services	2	6
f. Reconstitution of Ineffective Units	2	1
8. Special/Other Operations		
a. Low Intensity Conflict		
(1) Counterinsurgency Operations	2	1
(2) Counterterror Operations	2	3
b. Civil Affairs Operations	2	1
c. Airmobile Operations	2	1
d. River Crossing Operations	2	3

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
e. Tactical Deception Operations	2	2
f. Rear Area Operations		
(1) Organization for Combat	2	1
(2) Perimeter Defense	2	2
(3) Active/Passive Security	2	1
(4) Weapons Employment	2	4
(5) Physical Layout of Rear Area	2	1
9. Leadership	1	38

ANNEX G-2

COMBAT SERVICE SUPPORT OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 1 AND 2

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1. Doctrinal Basics		
a. Principles of War	2	2
b. USA Airland Battle Operational Concept	2	3
c. Organization/Preparation for Combat	2	3
d. Strategic Deployment	2	5
2. Command, Control and Communications (C^3)		
a. Staff Procedures in Combat	2	8
b. Decision Making	1	6
c. Plans, Orders, Estimates, Graphics, Records and Reports	1	6
d. Command and Control Communications (C^3)	1	4
3. Intelligence and Electronic Warfare		
a. Tactical Intelligence	2	2
4. Air Defense		
a. SHORAD	2	1
b. Manportable AD Systems	2	1
c. Non-Divisional AD Systems	2	1
d. Unit Active AD Measures	2	2
e. Unit Passive AD Measures	2	2
f. AD Priority Support in the Airland Battle	2	1
5. Close Combat		
a. Fundamentals of Combat (Tactical Basics)		
(1) Battlefield Movement	2	4
(2) OPSEC (includes SIGSEC)	2	4

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(3) Operations During Obscured Battlefield Conditions (To include Smoke Operations)	2	4
(4) Patrolling	2	3
b. Threat		
(1) Missions/Roles of Threat Armed Forces	2	2
(2) Organization/Equipment	2	2
(3) Offensive Operations	2	2
(4) Defensive Operations	2	2
(5) Combat Support	2	2
(6) Special Operations	2	1
c. Offensive Operations		
(1) Concepts/Fundamentals	2	3
(2) Hasty Attack	2	1
(3) MOUT Operations	2	4
d. Defensive Operations		
(1) Concepts/Fundamentals		
(a) Covering Force Area	2	1
(b) Main Battle Area	2	2
(c) Rear Area	2	2
(2) Defense in Sector	2	2
(3) Defense from Battle Positions		
(a) Linear	2	1
(b) Perimeter	2	4
(4) In-Depth	2	1

SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
(5) Counterattack	2	1
(6) MOUT Operations	2	4
6. Fire Support		
a. Indirect Fire Support		
(1) Request and Adjust Indirect Fire	2	2
(2) FA Priority Support in Airland Battle	2	1
7. Army Aviation		
a. Combat Service Support Aviation	2	2
8. Combat Service Support		
a. Logistics Operations		
(1) Supply	1	13
(2) Resupply/Basic Load Considerations	2	3
b. Transportation Operations	2	5
c. Field Services Operations	2	3
d. Maintenance Operations		
(1) Recovery and Evacuation	2	3
(2) Command & Staff Mgmt of Preventive Maintenance	1	4
(3) The Army Maintenance Mgmt System (TAMMS)	1	4
e. Personnel and Administration Operations	2	6
f. Medical Services	2	5
g. Reconstitution of Ineffective Units	2	2
9. Special/Other Operations		
a. Rear Area Combat Operations		
(1) Organization for Combat	1	3
(2) Perimeter Defense	1	3
(3) Active/Passive Security	1	3
(4) Weapons Employment	1	3
(5) Physical Layout of Rear Area	1	3
10. Leadership	1	30

ANNEX H

COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 AND 4

ANNEX H-1

COMBINED ARMS SUBJECTS FOR OFFICER BASIC COURSE
RATED BY THE SERVICE SCHOOLS AT SUFFICIENCY LEVEL 3 AND SUFFICIENCY LEVEL 4

ANNEX H-1

COMBAT ARMS MANEUVER OBC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 AND LOWER

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1a	Principles of War	3	2
1e	Force Modernization	3	4
1f	Strategic Deployment	4	0
2a	Staff Procedures in Combat	3	5
2f	C3CM	3	10
2g	Airspace Management	4	0
3b	ESM	3	1
3c	Intelligence Preparation of the Battlefield	3	1
3d	Tactical All-Source Intelligence Production	3	.5
3d(1)	Signals Intelligence	4	0
3d(2)	Imagery Intelligence	3	1
3d(3)	Human Intelligence	3	1
3d(4)	Tactical Counterintelligence	3	1
4a	SHORAD	3	1
4b	Manportable AD Systems	3	1
4c	Non-Divisional AD Systems	3	1
4f	AD Priority Support in the Airland Battle	4	0
4g	AD Land Space Requirements in MBA/CFA	4	0
5a(5)	Patrolling	3	26
5b(1)	Mission/Role of Threat Armed Forces	3	1
5b(2)	Threat Organization/Equipment	3	4
5b(5)	Threat Combat Support	3	4
5b(6)	Threat Special Operations	3	1
5c(5)	Exploitation	4	0
5c(6)	Pursuit	4	0
5c(7)	Relief of Encircled Forces	4	0
5c(8)	Reconnaissance in Force	4	0
5d(1)(c)	Rear Area	3	1
5d(6)	Breakout/Linkup	3	2
5e(3)	Retirement	3	.3
5f(2)	Reconnaissance	3	9
5f(3)	Security	3	6
5f(4)	Economy of Force	3	6
5f(5)	Cavalry Operations	3	1
6a(3)	FA Priority Support in the Airland Battle	3	1
6a(4)	FA Land Space Requirements in MBA/CFA	4	0
6c	SEAD	3	1
7d	General Engineering	3	1
8d	Combat Service Support Aviation	3	3
9c(2)(a)	Supply	3	6
9c(2)(b)	Resupply and Basic Load Considerations		
	(Ammo Support Structure/Requisitioning	3	.5)
	(Ammo Supply Rates/DAO Functions	3	.3)
9c(3)	Movement Control	3	1

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
9c(4)	Field Service Operations	3	.5
9c(6)	Personnel and Administration Operations		
	(Accountability	3	1)
	(Casualty Reporting	3	1)
	(Replacements	3	.5)
9f	Reconstitution of Ineffective Units	3	.3
10a(1)	Counterinsurgency Operations	3	.2
10a(2)	Counterterror Operations	3	.2
10a(3)	Foreign Internal Defense	3	.2
10b	SF Operations	3	.2
10c	UW Operations	3	.2
10d	PSYOPS	3	.2
10e	Civil Affairs Operations	3	1
10f	Amphibious Operations	3	1
10g	Airborne Operations	3	1
10i	Ranger Operations	3	1
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	1
10j(3)	Mountain Operations	3	1
10j(4)	Northern Regions Operations	3	1
10l	Tactical Deception Operations	4	0
10m(1)	RACO-Organization for Combat	3	1
10m(2)	RACO-Perimeter Defense	3	.3
10m(3)	RACO-Active/Passive Security	3	.3
10m(4)	RACO-Weapons Employment	3	1
10m(5)	RACO-Physical Layout of Rear Area	3	1

ANNEX H-1

COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3
OR LOWER FOR COMBAT ARMS NON-MANEUVER OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	1
1f	Strategic Deployment	4	0
2g	Airspace Management	3	4
3a	Tactical Intelligence	3	2
3b(1)	ESM	3	1
3c	IPB	3	1
3d	Tactical All Source Intelligence Production	4	0
3d(1)	SIGINT	3	1
3d(2)	IMINT	3	1
3d(3)	HUMINT	3	1
3d(4)	Tactical CI	3	1
4a	SHORAD	3	1
4b	Manportable AD Systems	3	1
4c	Non-Divisional AD Systems	3	1
4f	AD Priority Support in AirLand Battle	3	.5
4g	AD Land Space Requirements in MBA/CFA	3	1
5a(3)	Passage of Lines	3	1
5a(5)	Patrolling	3	4
5d(6)	Breakout/Link Up	3	6
5e(1)	Delay	3	1
5e(2)	Withdrawal	3	2
5e(3)	Retirement	3	1
5f(1)	Concepts and Fundamentals	3	2
5f(2)	Reconnaissance	3	2
5f(3)	Security	3	2
5f(4)	Economy of Force	3	2
5f(5)	Cavalry Operations	3	2
6a(2)	FA Organization, Command and Control	3	1
6a(3)	FA Priority Support in AirLand Battle	3	2
6a(4)	FA Land Space Requirements in MBA/CFA	4	0
6c	SEAD	3	.5
7a	Mobility	3	1
7b	Countermobility	3	1
7c	Survivability	3	1
7d	General Engineering	3	1

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
8a	Combat Aviation	3	1
8b	CS Aviation	3	1
8c	CSS Aviation	3	1
9c(2)(b)	Ammo Support Structure/ Requisitioning (Resupply)	3	1
9c(2)(b)	Ammo Supply Rates/DAO Functions (Resupply)	3	.5
9c(3)	Movement Control (Transportation Ops)	3	1
9c(4)	Field Services	3	2
9c(6)	Accountability (Personnel & Admin Ops)	3	1
9c(6)	Casualty Reporting (Personnel & Admin Ops)	3	1
9c(6)	Replacements (Personnel & Admin Ops)	3	.5
9f	Reconstitution of Ineffective Units	3	2
10a(1)	Counterinsurgency Operations	3	2
10a(2)	Counterterror Operations	3	.5
10a(3)	Foreign Internal Defense	4	0
10b	SF Operations	3	.5
10c	UW Operations	4	0
10d	PSYOPS	3	.5
10e	Civil Affairs Operations	3	.5
10f	Amphibious Operations	3	.5
10g	Airborne Operations	3	1
10h	Airmobile Operations	3	1
10i	Ranger Operations	3	.5
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	2
10j(3)	Mountain Operations	3	1
10j(4)	Northern Region Operations	3	1
10k	River Crossing Operations	3	1
10m(1)	Organization for Combat (RACO)	3	1
10m(2)	Perimeter Defense (RACO)	3	1
10m(3)	Active/Passive Security (RACO)	3	1
10m(4)	Weapons Employment (RACO)	3	1
10m(5)	Physical Layout of Rear Area	3	1

ANNEX H-1

COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3
OR LOWER FOR COMBAT SUPPORT OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	1
1f	Strategic Deployment	3	.5
2g	Airspace Management	3	1
3a	EW (ESM/ECM)	3	2
3e	SIGINT	3	.5
3f	IMINT	3	.5
3h	Tactical CI	3	.5
4a	SHORAD	3	1
4b	Manportable AD Systems	3	1
4c	Non-Divisional AD Systems	3	1
4d	Unit Active AD Measures	3	1
4e	Unit Passive AD Measures	3	1
4f	AD Priority Support in Airland Battle	3	1
4g	AD Land Space Requirement in MBA/CFA	4	0
5c(7)	Relief of Encircled Forces	3	.5
5c(8)	Reconnaissance in Force	3	.5
5d(3)(a)	Linear	3	1
5d(4)(b)	In-Depth	3	1
5d(5)	Strong Points	3	.5
5d(6)	Counter Attack	3	1
5d(7)	Breakout/Link Up	3	1
5e(1)	Delay	3	1
5e(2)	Withdrawal	3	1
5e(3)	Retirement	3	.5
5f(1)	Concepts and Fundamentals	3	1
5f(3)	Security	3	.5
5f(4)	Economy of Force	3	.5
5f(5)	Cavalry Operations	3	1
6a(3)	FA Priority Support in Airland Battle	3	1
6a(4)	FA Land Space Requirement in MBA/CFA	3	1
6e	SEAD	3	.5
7a	Mobility	3	.5
7b	Countermobility	3	.5
7c	Survivability	3	.5
7d	General Engineering	3	.5
8a	Combat Aviation	3	1
8c	Combat Support Aviation	3	1
8d	CSS Aviation	3	.5
9c(2)(b)	Ammo SPT Structure/Requisitioning (Resupply)	3	1
9c(2)(b)	Ammo Supply Rates/DAO Function (Resupply)	3	1

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
9c(3)	Convoy Operations (Transportation Ops)	3	4
9c(6)	Replacements (Personnel and Admin Ops)	3	.5
9f	Reconstitution of Ineffective Units	3	1
10a(1)	Counterinsurgency Operations	3	3
10a(3)	Foreign Internal Defense	4	0
10b	SF Operations	3	.5
10c	UW Operations	3	.5
10d	PSYOPS	3	.5
10e	Civil Affairs Operations	3	1
10f	Amphibious Operations	4	0
10g	Airborne Operations	3	1
10j	Ranger Operations	3	.5
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	1
10j(3)	Mountain Operations	3	1
10j(4)	Northern Region Operations	3	1
10l	Tactical Deception Operations	3	1
10m(1)	RACO-Organization For Combat	3	1
10m(2)	RACO-Perimeter Defense	3	3
10m(3)	RACO-Active/Passive Security	3	2
10m(4)	RACO-Weapons Employment	3	4
10m(5)	RACO-Physical Layout of Rear Area	3	1

ANNEX H-1

COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3
OR LOWER FOR COMBAT SERVICE SUPPORT OBC

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	1
1f	Strategic Deployment	3	1
2f	C^3CM	3	1
2g	Airspace Management	3	.5
3a	Tactical Intelligence	3	2
3b	EW (ESM and ECM)	3	1
3c	Intelligence Preparation of Battlefield	3	.5
3d	Tactical All-Source Production	3	1
4a	SHORAD	3	1
4b	Manportable AD Systems	3	1
4c	Non-Divisional AD Systems	3	1
4f	AD Priority Support in the Airland Battle	3	1
4g	AD Land Space Requirements in MBA/CFA	3	1
5a(3)	Passage of Lines	3	1
5b(3)	Threat Offensive Operations	3	2
5b(4)	Threat Defensive Operations	3	2
5b(5)	Threat Combat Support	3	1
5b(6)	Threat Special Operations	3	1
5c(2)	Movement to Contact	3	1
5c(3)	Hasty Attack	3	1
5c(4)	Deliberate Attack	3	1
5c(5)	Exploitation	3	1
5c(6)	Pursuit	3	1
5c(7)	Relief of Encircled Forces	3	1
5c(8)	Reconnaissance in Force	3	1
5c(9)	MOUT	3	1
5d(1)(a)	Covering Force Area	3	1
5d(1)(b)	Main Battle Area	3	1
5d(3)(a)	Linear	3	1
5d(4)(b)	In-Depth	3	1
5d(6)	Counterattack	3	1
5d(7)	Breakout/Link Up	3	1
5d(8)	MOUT	3	1
5e(1)	Delay	3	1
5e(2)	Withdrawal	3	1
5e(3)	Retirement	3	1
5f(1)	Concepts and Fundamentals	3	1
5f(2)	Reconnaissance	4	0

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
5f(3)	Security	4	0
5f(4)	Economy of Force	4	0
5f(5)	Cavalry Operations	3	1
6a(2)	FA Organization, Command and Control	3	1
6a(3)	FA Priority Support in the Airland Battle	3	1
6a(4)	FA Land Space Requirements in MBA/CFA	4	0
6b	Close Air Support	3	1
6c	Suppression of Enemy AD	4	0
7a	Mobility	3	.5
7b	Countermobility	3	.5
7c	Survivability	3	1
7d	General Engineering	3	1
8a	Combat Aviation	3	1
8c	Combat Support Aviation	3	1
8d	CSS Aviation	3	2
9c(2)(b)	Ammunition Supply Rates/DAO Functions	3	2
9f	Reconstitution of Ineffective Units	3	1
10a(1)	Counterinsurgency Operations	3	1
10a(2)	Counterterror Operations	3	1
10a(3)	Foreign Internal Defense	4	0
10b	SF Operations	3	.5
10c	UW Operations	3	.5
10d	PSYOPS	3	.5
10e	Civil Affairs Operations	3	1
10f	Amphibious Operations	3	1
10g	Airborne Operations	3	1
10h	Airmobile Operations	3	1
10i	Ranger Operations	3	.5
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	.5
10j(3)	Mountain Operations	3	1
10j(4)	Northern Region Operations	3	.5
10k	River Crossing Operations	3	1
10l	Tactical Deception Operation	3	1

ANNEX H-2

COMBINED ARMS SUBJECTS FOR OFFICER ADVANCED COURSES
RATED BY THE SERVICE SCHOOLS AT SUFFICIENCY LEVEL 3 AND 4

ANNEX H-2

COMBAT ARMS MANEUVER OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 AND LOWER

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	4
1f	Strategic Deployment	3	1
2f	C3CM	3	5
2g	Airspace Management	3	1
3d(1)	Signals Intelligence	3	1
3d(2)	Imagery Intelligence	3	1
3d(3)	Human Intelligence	3	1
3d(4)	Counterintelligence	3	1
4c	Non-Divisional AD Systems	3	1
4e	AD Priority Support in the Airland Battle	3	1
4f	AD Land Space Requirements in MBA/CFA	3	1
5b(6)	Threat Special Operations	3	2
5e(3)	Retirement	3	1
5f(5)	Cavalry Operations	3	1
6a(4)	FA Land Space Requirements in MBA/CFA	3	1
7d	General Engineering	3	1
9c(3)	Field Services Operations	3	1
9c(5)	Replacements	3	1
9e	Reconstitution of Ineffective Units	3	1
10a(1)	Counterinsurgency Operations	3	3
10a(2)	Counterterror Operations	3	1
10a(3)	Foreign Internal Defense	3	1.5
10b	SF Operations	3	.2
10c	UW Operations	3	3
10d	PSYOPS	3	.3
10e	Civil Affairs	3	1
10f	Amphibious Operations	3	3
10g	Airborne Operations	3	3
10i	Ranger Operations	3	1
10m(1)	Organization for Combat	3	1
10m(2)	Perimeter Defense	3	1
10m(3)	Active/Passive Security	3	1
10m(4)	Weapons Employment	3	1
10m(5)	Physical Layout of Rear Area	3	2

ANNEX H-2

COMBAT ARMS NON-MANEUVER OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 OR LOWER

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	3
1f	Strategic Deployment	3	1
3c	Intelligence Preparation of the Battlefield	3	4
3d	Tactical All Source Intelligence Production	3	4
3d(1)	Signals Intelligence	3	3
3d(2)	Imagery Intelligence	3	1
3d(3)	Human Intelligence	3	1
3d(4)	Tactical Counterintelligence	3	1
4a	SHORAD	3	.5
4b	Manportable AD Systems	3	.5
4c	Non-Divisional AD Systems	3	1
4f	AD Priority Support in the Airland Battle	3	.5
4g	AD Land Space Requirements in the MBA/CFA	3	2
5a(5)	Patrolling	3	1
5e(2)	Withdrawal	3	4
5e(3)	Retirement	3	3
5f(5)	Cavalry Operations	3	1
6a(2)	FA Organization, Command and Control	3	3
6a(4)	FA Land Space Requirements in the MBA/CFA	3	.5
7d	General Engineering	3	1
8a	Combat Aviation	3	2
8c	Combat Support Aviation	3	2
8d	Combat Service Support Aviation	3	1
9c(4)	Field Services Operations	3	2
10a(1)	Counterinsurgency Operations	3	2
10a(2)	Counterterror Operations	3	1
10a(3)	Foreign Internal Defense	3	.5
10b	SF Operations	3	.5
10c	UW Operations	3	1
10d	PSYOPS	3	1
10e	Civil Affairs Operations	3	1
10f	Amphibious Operations	3	1
10g	Airborne Operations	3	1
10h	Airmobile Operations	3	1
10i	Ranger Operations	3	1
10j(1)	Desert Operations	3	2
10j(2)	Jungle Operations	3	1
10j(3)	Mountain Operations	3	1
10m(4)	Northern Region Operations	3	1
10m(5)	Physical Layout of the Rear Area	3	1

ANNEX H-2

COMBAT SUPPORT OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 OR LOWER

	SUBJECT	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1f	Strategic Deployment	3	1
2g	Airspace Management	3	.5
3b(1)	Electronic Warfare Support Measures	3	1
3b(2)	Electronic Countermeasures	3	1
3d(2)	Imagery Intelligence	3	.5
4c	Non-Divisional AD Systems	3	1
4f	AD Priority Support in the Airland Battle	3	1
4g	AD Land Space Requirements in the MBA/CFA	3	.5
5c(7)	Relief of Encircled Forces	3	1
5c(8)	Reconnaissance in Force	3	1
5f(4)	Economy of Force	3	.5
5f(5)	Cavalry Operations	3	1
6a(3)	FA Priority Support in the Airland Battle	3	1
6a(4)	FA Land Space Requirements in MBA/CFA	3	1
6c	SEAD	3	.5
7a	Mobility	3	1
7b	Countermobility	3	1
7c	Survivability	3	.5
7d	General Engineering	3	1
8a	Combat Aviation	3	2
8c	Combat Support Aviation	3	1
8d	Combat Service Support Aviation	3	1
9c(2)(b)	Resupply and Basic Load Considerations		
	(Ammunition Support Structure/ Requisitioning)	3	1)
	(Ammunition Supply Rates/DAO Functions	3	1)
9c(4)	Field Services Operations	3	1
10a(3)	Foreign Internal Defense	3	.5
10b	SF Operations	3	.5
10c	UW Operations	3	.5
10d	PSYOPS	3	.5
10f	Amphibious Operations	3	1
10g	Airborne Operations	3	1
10i	Ranger Operations	3	1
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	1
10j(3)	Mountain Operations	3	1
10j(4)	Northern Region Operations	3	.5

ANNEX H-3

COMBAT SERVICE SUPPORT OAC COMBINED ARMS SUBJECTS RATED AT SUFFICIENCY LEVEL 3 AND LOWER

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
1e	Force Modernization	3	2
2f	C^3CM	3	2
2g	Airspace Management	3	.5
3b(1)	Electronic Warfare Support Measures	3	1
3b(2)	Electronic Countermeasures	3	1
3e	Intelligence Preparation of the Battlefield	3	1
3d	Tactical All Source Production	3	1
3d(1)	Signals Intelligence	3	.5
3d(2)	Imagery Intelligence	3	.5
3d(3)	Human Intelligence	3	1
3d(4)	Tactical Counterintelligence	3	1
4g	AD Land Space Requirements in MBA/CFA	3	1
5a(3)	Passage of Lines	3	1
5c(2)	Movement to Contact	3	1
5c(4)	Deliberate Attack	3	1
5c(5)	Exploitation	3	1
5c(6)	Pursuit	3	1
5c(7)	Relief of Encircled Forces	3	1
5c(8)	Reconnaissance in Force	3	1
5d(4)	Strong Points	3	1
5d(6)	Breakout/Linkup	3	1
5e(1)	Delay	3	1
5e(2)	Withdrawal	3	1
5e(3)	Retirement	3	1
5f(1)	Concepts and Fundamentals	3	1
5f(2)	Reconnaissance	3	1
5f(3)	Security	3	1
5f(4)	Economy of Force	3	1
5f(5)	Cavalry Operations	3	1
6a(2)	FA Organization, Command and Control	3	1
6a(4)	FA Land Space Requirements in MBA/CFA	3	1
6b	Close Air Support	3	1
6c	SEAD	3	1
7a	Mobility	3	1
7b	Countermobility	3	1
7c	Survivability	3	1
7d	General Engineering	3	1
8a	Combat Aviation	3	1
8c	Combat Support Aviation	3	1
10a(1)	Counterinsurgency Operations	3	1

	SUBJECTS	RECOMMENDED SUFFICIENCY LEVEL	AVERAGE TIME REQUIRED HR(S)
10a(2)	Counterterror Operations	3	1
10a(3)	Foreign Internal Defense	3	.5
10b	SF Operations	3	1
10c	UW Operations	3	1
10d	PSYOPS	3	1
10e	Civil Affairs Operations	3	1
10f	Amphibious Operations	3	1
10g	Airborne Operations	3	2
10h	Airmobile Operations	3	1
10i	Ranger Operations	3	1
10j(1)	Desert Operations	3	1
10j(2)	Jungle Operations	3	.5
10j(3)	Mountain Operations	3	.5
10j(4)	Northern Region Operations	3	.5
10k	River Crossing Operations	3	1
10l	Tactical Deception Operations	3	1

ANNEX H

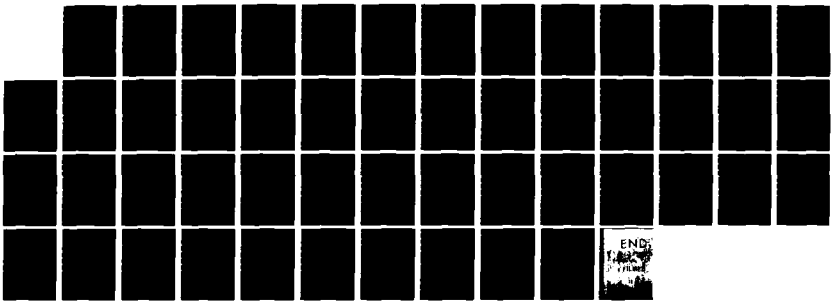
APPENDIX 1 THROUGH 4

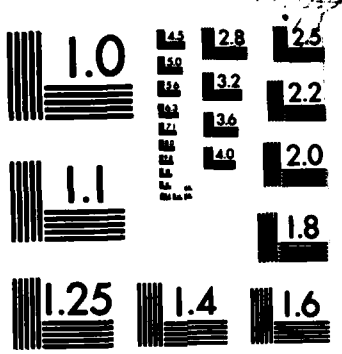
CONSOLIDATED DATA ON NUCLEAR AND CHEMICAL

WEAPONS EMPLOYMENT

AD-A133 316 COMBINED ARMS SUFFICIENCY STUDY (CASS) UPDATE(U) ARMY 3/3
COMBINED ARMS CENTER FORT LEAVENWORTH KS 07 APR 83
SBI-AD-E750 847

UNCLASSIFIED F/G 5/9 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ANNEX H
APPENDIX 1

COMBAT ARMS MANEUVER SCHOOLS

		IN	AR	AV	CA MANEUVER AVERAGE
14. Tactical Nuclear Operations					
A. Nuclear Weapons Effects	LT SL	3	3	3	3
	HR(S)	1	1.5	3	1.8
	HR(P)	0.5	2	3	1.8
	HR(I)	0	0	0	0
	CPT SL	2	2	3	2.3
	HR(S)	8	12	3	7.6
	HR(P)	5	4	3	4
	HR(I)	3.3	2	0	1.8
B. The Nuclear Battle					
(1) Planning	LT SL	3	3	3	3
	HR(S)	4	0.5	2	2.2
	HR(P)	0	0	0	0
	HR(I)	0	0	0	0
	CPT SL	2	2	3	2.3
	HR(S)	12	5	1	6
	HR(P)	7	1	0	2.7
	HR(I)	4.6	0.5	0	1.7
(2) Tactics	LT SL	3	3	3	3
	HR(S)	2	1	2	1.7
	HR(P)	0	0	0	0
	HR(I)	0	0	0	0
	CPT SL	2	1	3	2
	HR(S)	16	4	1	7
	HR(P)	4	1	0	1.7
	HR(I)	5	0	0	1.7
C. Nuclear Release and Employment	LT SL	4	3	3	3.3
	HR(S)	0	0.5	1	0.5
	HR(P)	0	0.5	1	0.5
	HR(I)	0	0	1	0.3
	CPT SL	3	3	3	3
	HR(S)	1	0.5	1	0.8
	HR(P)	0	0.5	0	0.2
	HR(I)	0	0	0	0

D. Nuclear Logistics	LT	SL	4	4	3	3.7
		HR(S)	0	0	1	0.3
		HR(P)	0	0	0	0
		HR(I)	0	0	0	0
	CPT	SL	4	3	3	3.3
		HR(S)	0	0.5	1	0.5
		HR(P)	0	0	0	0
		HR(I)	0	0	0	0
E. Reconstitution	LT	SL	4	4	3	3.7
		HR(S)	0	0	1	0.3
		HR(P)	0	0	0	0
		HR(I)	0	0	0	0
	CPT	SL	4	2	3	3
		HR(S)	0	1	1	0.7
		HR(P)	0	0	0	0
		HR(I)	0.1	0	0	0
F. C^3 On The Nuclear Battlefield	LT	SL	3	3	3	3
		HR(S)	1	2	1	1.3
		HR(P)	0	0	0.1	0.1
		HR(I)	0	0	0	0
	CPT	SL	2	1	3	2
		HR(S)	2	2	1	1.7
		HR(P)	0.5	4	0	1.5
		HR(I)	0.2	0	0	0.1
16. NBC Warfare						
A. US Policy	LT	SL	3	1	3	2.3
		HR(S)	1	0.5	1	0.8
		HR(P)	0.1	0.5	0	0.2
		HR(I)	0	0	0.1	0
	CPT	SL	3	1	3	2.3
		HR(S)	1	0.5	1	0.8
		HR(P)	0.2	0.2	0.1	0.2
		HR(I)	0	0	0	0
B. Threat Policy	LT	SL	3	2	3	2.7
		HR(S)	1	0.5	1	0.8
		HR(P)	1.1	0.5	0	0.5
		HR(I)	0	0	0	0
	CPT	SL	3	1	3	2.3
		HR(S)	1	1	1	1
		HR(P)	1.6	0.5	0.1	0.7
		HR(I)	0.1	0	0	0

C.	Survivability	LT	SL	1	1	3	1.7
			HR(S)	16	25	2	14.3
			HR(P)	12.8	13	3	9.6
			HR(I)	0	0	4	1.3
		CPT	SL	1	1	3	1.7
			HR(S)	15	2	5	7.3
			HR(P)	16.1	26	20	20.7
			HR(I)	6	0	0	2
D.	Offensive Use	LT	SL	3	3	3	3
			HR(S)	1	0.5	2	1.2
			HR(P)	0	0.5	1	0.5
			HR(I)	bbb	0	2	1
		CPT	SL	3	2	3	2.7
			HR(S)	1	0.5	0.5	0.7
			HR(P)	0.4	0	0	0.1
			HR(I)	5	0	0	1.7
E.	Defensive Use	LT	SL	3	2	3	2.7
			HR(S)	1	0.5	2	1.2
			HR(P)	0	0.5	0	0.2
			HR(I)	bbb	0	0	0
		CPT	SL	3	2	3	2.7
			HR(S)	1	0.5	0.5	0.7
			HR(P)	0.4	0	2	0.8
			HR(I)	5	0	0	1.7
F.	Reconstitution	LT	SL	4	3	3	3.3
			HR(S)	0	1.5	1	0.8
			HR(P)	0	1.5	2	1.2
			HR(I)	0	0	0	0
		CPT	SL	4	1	3	2.7
			HR(S)	0	2	1	1
			HR(P)	0	0	0	0
			HR(I)	0	0.5	0	0.2
G.	NBC Logistics	LT	SL	3	3	3	3
			HR(S)	2	1.5	2	1.8
			HR(P)	0	1.5	0	0.5
			HR(I)	0	0	0	0
		CPT	SL	3	1	3	2.3
			HR(S)	4	2	1	2.3
			HR(P)	0	1	0	0.3
			HR(I)	0	0	0	0

ANNEX H
APPENDIX 2

COMBAT ARMS NON-MANEUVER SCHOOLS

		FA*	AD	EN	CA NON-MANEUVER AVERAGE
14. Tactical Nuclear Operations					
A. Nuclear Weapons Effect	LT SL	3	1	2	2
	HR(S)	2	16	2	6.7
	HR(P)	0	8	1.5	3.2
	HR(I)	0	0	0	0
	CPT SL	2	2	2	2
	HR(S)	12	10	4	8.7
	HR(P)	6.4	11	5.5	7.6
	HR(I)	0	0	0	0
B. The Nuclear Battle					
(1) Planning	LT SL	3	1	3	2.3
	HR(S)	1	2	1	1.3
	HR(P)	2	0	0.25	0.8
	HR(I)	0	0	0	0
	CPT SL	1	2	2	1.7
	HR(S)	13	4	1	6
	HR(P)	3.4	2	0.25	1.9
	HR(I)	0	2	0	0.7
(2) Tactics	LT SL	4	1	3	2.7
	HR(S)	0	1	1	0.7
	HR(P)	3	0	0.25	1.1
	HR(I)	0	0	0	0
	CPT Sl	1	2	2	1.7
	HR(S)	76	7	1	28
	HR(P)	15.7	5	0.25	7
	HR(I)	0	2	0	0.7
C. Nuclear Release and Employment	LT SL	3	1	2	2
	HR(S)	43	1	1	15
	HR(P)	0	0	0.25	0.1
	HR(I)	0	0	0	0
	CPT SL	2	2	2	2
	HR(S)	17.5	1	1	6.5
	HR(P)	0.5	1	0.25	0.6
	HR(I)	10.2	0	0	3.4

D. Nuclear Logistics	LT	SL	3	1	4	2.7
		HR(S)	5.5	1	0	2.2
		HR(P)	0.3	2	0	0.8
		HR(I)	0	0	0	0
	CPT	SL	3	2	3	2.7
		HR(S)	5.5	2	1	2.8
		HR(P)	1.2	3	0	1.4
		HR(I)	0	0	0	0
E. Reconstitution	LT	SL	4	1	4	3
		HR(S)	0	1	0	0.3
		HR(P)	0	0	0	0
		HR(I)	0	0	0	0
	CPT	SL	4	2	3	3
		HR(S)	0	1	1	0.7
		HR(P)	0	0	0	0
		HR(I)	0	0	0	0
F. C^3 On The Nuclear Battlefield	LT	SL	4	1	3	2.7
		HR(S)	0	1	1	0.7
		HR(P)	0	0	0.25	0.1
		HR(I)	0	0	0	0
	CPT	SL	4	2	2	2.7
		HR(S)	0	1	1	0.7
		HR(P)	0	0	0.25	0.1
		HR(I)	0	0	0	0
16. NBC Warfare						
A. US Policy	LT	SL	2	1	3	2
		HR(S)	1	1	1	1
		HR(P)	0.5	1	0.25	0.6
		HR(I)	0.5	0	0	0.2
	CPT	SL	2	2	3	2.3
		HR(S)	1	1	1	1
		HR(P)	1.4	1	0.25	0.9
		HR(I)	0.2	0	0	0.1
B. Threat Policy	LT	SL	2	1	3	2
		HR(S)	0.5	2	1	1.2
		HR(P)	0.2	2	0.25	0.8
		HR(I)	1.2	0	0	0
	CPT	SP	2	2	3	2.3
		HR(S)	2	2	1	1.7
		HR(P)	0.4	2	0.25	0.9
		HR(I)	1	0	0	0.3

C.	Survivability	LT	SL	1	1	2	1.3
			HR(S)	40	2	3	15
			HR(P)	2	5	2	3
			HR(I)	6.5	0	0	2.2
		CPT	SL	1	2	2	1.7
			HR(S)	30	2	4	12
			HR(P)	8.1	6	1.5	5.2
			HR(I)	12	2	0	4.7
D.	Offensive Use	LT	SL	3	1	3	2.3
			HR(S)	5	1	1	2.3
			HR(P)	0	0	0.5	0.2
			HR(I)	1	0	0	0.3
		CPT	SL	2	2	3	2.3
			HR(S)	30	1	2	11
			HR(P)	0	0	1	0.3
			HR(I)	1	1.5	0	0.5
E.	Defensive Use	LT	SL	3	1	3	2.3
			HR(S)	5	1	1	2.3
			HR(P)	0	1	8	3
			HR(I)	1.5	0	0	0.5
		CPT	SL	2	2	3	2.3
			HR(S)	30	2	2	11.3
			HR(P)	0	1	2	1
			HR(I)	0.7	0.5	0	0.4
F.	Reconstitution	LT	SL	2	1	4	2.3
			HR(S)	6	1	0	2.3
			HR(P)	2.3	0	0	0.8
			HR(I)	2	0	0	0.7
		CPT	SL	1	2	3	2
			HR(S)	3	1	1	1.7
			HR(P)	0	0	0	0
			HR(I)	0	0	0	0
G.	NBC Logistics	LT	SL	3	1	4	2.7
			HR(S)	2	4	0	2
			HR(P)	9.9	4	1	5
			HR(I)	0	4	0	1.3
		CPT	SL	3	2	3	2.7
			HR(S)	2	6	1	3
			HR(P)	0	4	0.5	1.5
			HR(I)	0	2	0	0.7

* FA Data includes Chemical Weapons Effect.

ANNEX H
APPENDIX 3

COMBAT SUPPORT SCHOOLS

		SC	MP	MI	CM*	CS AVERAGE
14. Tactical Nuclear Operations						
A. Nuclear Weapons Effects	LT SL	3	3	3	1	3
	HR(S)	2	1	14	30	5.7
	HR(P)	0	6	4	4	3.3
	HR(I)	0.5	0	10	2	3.5
	CPT SL	3	2	2	2	2.3
	HR(S)	6	2	45	100	17.7
	HR(P)	12	18	5	6	11.7
	HR(I)	0.5	0	40	30	13.5
B. The Nuclear Battle						
(1) Planning	LT SL	3	4	3	1	3.3
	HR(S)	0	0	2.5	10	0.8
	HR(P)	0	0	0.5	2	0.2
	HR(I)	0	0	2	0	0.7
	CPT SL	3	4	2	1	3
	HR(S)	6	0	18	10	8
	HR(P)	2	0	8	0	3.3
	HR(I)	0	0	10	2	3.3
(2) Tactics	LT SL	3	3	3	2	3
	HR(S)	0	1	1.5	5	0.8
	HR(P)	0	2	0.5	0	0.8
	HR(I)	0	0	1	0	0.3
	CPT SL	3	3	2	1	2.7
	HR(S)	4	1	11	10	5.3
	HR(P)	0	1	1	0	0.7
	HR(I)	0	0	10	2	3.3
C. Nuclear Release and Employment	LT SL	3	3	3	2	3
	HR(S)	0	1	1.5	5	0.8
	HR(P)	0	1	0.5	0.2	0.8
	HR(I)	0	0	1	0	0.3
	CPT SL	3	3	3	1	3
	HR(S)	4	1	3	15	2.7
	HR(P)	0	1	1	3	0.7
	HR(I)	0	0	2	0	0.7

D.	Nuclear Logistics	LT	SL	3	3	3	2	3
			HR(S)	0	1	0.5	2	0.5
			HR(P)	0	0.5	0	0	0.2
			HR(I)	0	0	0.5	0	0.2
		CPT	SL	3	3	3	1	3
			HR(S)	0	1	0.5	5	0.5
			HR(P)	0	0.5	0	0	0.2
			HR(I)	0	0	0.5	1	0.2
E.	Reconstitution	LT	SL	3	3	3	2	3
			HR(S)	0	2	1	1	1
			HR(P)	0	0.5	0.25	0	0.3
			HR(I)	0	0	1	0	0.3
		CPT	SL	3	2	2	1	2.3
			HR(S)	2	2	6	3	3.3
			HR(P)	0	0.5	1	0	0.5
			HR(I)	0	0	5	0	1.7
F.	C^3 on the Nuclear Battlefield	LT	SL	3	2	3	2	2.7
			HR(S)	2	2	2	3	2
			HR(P)	0	3	0	1	1
			HR(I)	0	0	2	0	0.7
		CPT	SL	2	2	2	1	2
			HR(S)	4	4	11	5	6.3
			HR(P)	0	2	1	0	1
			HR(I)	0	0	10	2	3.3

16. NBC Warfare

A.	US Policy	LT	SL	1	3	3	1	2.3
			HR(S)	0.2	0.5	0.25	2	0.3
			HR(P)	0.9	0.2	0.25	2	0.5
			HR(I)	0.2	0	0	2	0.1
		CPT	SL	1	3	3	1	2.3
			HR(S)	2	0.5	0.25	4	0.9
			HR(P)	2	0.2	0.25	0	0.8
			HR(I)	0.2	0	0	2	0.1
B.	Threat Policy	LT	SL	1	2	2	1	1.7
			HR(S)	0.2	1	1	3	0.7
			HR(P)	0.9	0.2	0.5	3	0.5
			HR(I)	0.2	0	0.5	0	0.2
		CPT	SL	1	2	2	1	1.7
			HR(S)	4	1	1	10	2
			HR(P)	0.2	0.2	0.5	3	0.3
			HR(I)	0.2	0	0.5	2	0.2

C.	Survivability	LT	SL	3	2	2	1	2.3
			HR(S)	0.5	32	3	40	11.8
			HR(P)	0.9	0.2	1	16	0.7
			HR(I)	0.2	0	2	16	0.7
		CPT	SL	3	1	2	1	2
			HR(S)	1	46	1	45	16
			HR(P)	0.2	0.2	1	46	0.5
			HR(I)	0.2	0	0	6	0.1
D.	Offensive Use	LT	SL	4	3	2	1	3
			HR(S)	0	1	5	30	2
			HR(P)	0	0.2	5	16	0.8
			HR(I)	0	0	0.5	16	0.2
		CPT	SL	4	3	1	1	2.7
			HR(S)	0	1	7	60	2.7
			HR(P)	0	0.2	7	107	2.4
			HR(I)	0	0	0.5	0	0.2
E.	Defensive Use	LT	SL	3	3	1	1	2.3
			HR(S)	3	1	6	60	3.3
			HR(P)	0	0.2	6	100	2.1
			HR(I)	0	0	0.5	0	0.2
		CPT	SL	2	3	1	1	2
			HR(S)	7	1	3	100	3.7
			HR(P)	0	0.2	3	46	1.1
			HR(I)	0	0	0.5	4	0.2
F.	Reconstitution	LT	SL	3	3	3	1	3
			HR(S)	0.5	2	1	5	1.2
			HR(P)	0.9	0.2	0.25	0	0.5
			HR(I)	0.5	0	1	0.5	0.5
		CPT	SL	3	2	2	1	2.3
			HR(S)	2	2	6	10	3.3
			HR(P)	1	0.2	1	0	0.7
			HR(I)	0.5	0	5	1	1.8
G.	NBC Logistics	LT	SL	3	3	3	1	3
			HR(S)	0	1	0.5	15	0.5
			HR(P)	0	0	0	20	0
			HR(I)	0	0	0.5	4	0.2
		CPT	SL	3	3	3	1	3
			HR(S)	0	1	0.5	30	0.5
			HR(P)	0	0	0	8	0
			HR(I)	0	0	0.5	0	0.2

* Chemical School data not included in mean since chemical school has subject proponency and specialty interest.

ANNEX H
APPENDIX 4

COMBAT SERVICE SUPPORT SCHOOLS

			OD	MM*	AG	FI	QM	TC	MS	CSS AVERAGE
14. Tactical Nuclear Operations										
A. Nuclear Weapons Effects	LT	SL	2	3	1	3	2	2	2	2.1
		HR(S)	1	15	2	1	4	3	4	2.5
		HR(P)	1	13	0	0	4	3	3	1.8
		HR(I)	0	0	2	2	4	0.2	0	1.4
	CPT	SL	2	2	1	2	2	2	1	1.7
		HR(S)	1	44	2	2	4	3	11	3.8
		HR(P)	1		0	0	3	3	7	2.3
		HR(I)	0.5		2	2	0	0.5	8	2.2
B. The Nuclear Battle										
(1) Planning	LT	SL	4		3	4	3	3	4	3.5
		HR(S)	0		1	0	2	2	0	0.8
		HR(P)	4		0	0	2	3	0	0.2
		HR(I)	0		0	0	1	0	0	0.2
	CPT	SL	3		3	4	2	2	2	2.7
		HR(S)	0.5		1	0	3	4	6	2.4
		HR(P)	13		0	0	0	6	0	3.2
		HR(I)	0.1		0	0	2	0	2	0.7
(2) Tactics	LT	SL	4		3	4	3	3	4	3.5
		HR(S)	0		1	0	1	2	0	0.7
		HR(P)	0		0	0	1	0.5	0	0.3
		HR(I)	0		0	0	1	0	0	0.2
	CPT	SL	3		3	4	3	2	2	2.8
		HR(S)	0.5		1	0	2	3	6	2.1
		HR(P)	0		0	0	0	1	0	0.2
		HR(I)	0.5		0	0	1	0	6	1.3
C. Nuclear Release and Employment	LT	SL	4		3	4	3	3	4	3.5
		HR(S)	0		1	0	1	2	0	0.7
		HR(P)	0		0	0	1	1	0	0.3
		HR(I)	0		0	0	1	0	0	0.2
	CPT	SL	3		3	4	3	2	3	3
		HR(S)	0		1	0	1	2	6	1.7
		HR(P)	0		0	0	0.5	1	1	0.4
		HR(I)	0.1		0	0	1	0	0	0.2

D. Nuclear Logistics	LT	SL	4		4	4	4	3	4	3.8
		HR(S)	0		0	0	0	2	0	0.3
		HR(P)	0		0	0	0	0.5	0	0.1
		HR(I)	0		0	0	0	0	0	0
	CPT	SL	4		4	4	3	3	3	3.5
		HR(S)	0		0	0	1	2	6	1.5
		HR(P)	0		0	0	0	0.5	0	0.1
		HR(I)	0		0	0	1	0	0	0.2
E. Reconstitution	LT	SL	4		2	3	3	3	4	3.2
		HR(S)	0		1	1	1	1	0	0.7
		HR(P)	0		0	0	1	0.5	0	0.3
		HR(I)	0		0	0	1	0.2	0	0.2
	CPT	SL	3		2	3	2	3	3	2.7
		HR(S)	1		2	1	3	2	6	2.5
		HR(P)	0		0	0	0	0.5	0	0.1
		HR(I)	0		0	0	2	0.5	0	0.4
F. C 3 On The Nuclear Battlefield	LT	SL	3		3	3	3	3	4	3.2
		HR(S)	2		1	1	3	2	0	1.5
		HR(P)	0		0	0	2	1	0	0.5
		HR(I	1		0	0	2	0.2	0	0.5
	CPT	SL	3		3	3	2	2	3	2.7
		HR(S)	0.2		1	1	4	2	6	2.4
		HR(P)	0		0	0	0	4	0	0.7
		HR(I)	1.2		0	0	2	0.5	0	0.6
16. NBC Warfare										
A. US Policy	LT	SL	3	3	3	3	2	3	3	2.8
		HR(S)	1	20	1	1	2	1	1	1.2
		HR(P)	0.2	1	0	0	1	0.5	1	0.5
		HR(I)	0	0	1	1	1	0	0	0.5
	CPT	SL	2	2	3	3	2	2	2	2.3
		HR(S)	0.2	20	1	1	2	1.5	1	1.1
		HR(P)	0.2		0	0	1	1	1	0.5
		HR(I)	0.1		1	1	0	0	6	1.4
B. Threat Policy	LT	SL	3	3	3	3	2	3	3	2.8
		HR(S)	1	--	1	1	2	1	1	1.2
		HR(P)	1	1	0	0	2	0.5	1	0.8
		HR(I)	0	0	1	1	2	0	2	1
	CPT	SL	2		3	3	2	2	2	2.3
		HR(S)	1		1	1	4	2	2	1.8
		HR(P)	1		0	0	1	1	2	0.8
		HR(I)	0.1		1	1	0	0	2	0.7

C.	Survivability	LT	SL	1	3	1	2	2	3	2	1.8
			HR(S)	18	--	8	4	4	2	19	9.2
			HR(P)	2	15	26	26	4	10	18	14.3
			HR(I)	0	4	0	0	4	0.5	3	1.3
		CPT	SL	1		1	2	2	2	1	1.5
			HR(S)	26		8	4	4	3.5	2	7.9
			HR(P)	5		32	32	4	10	16	16.5
			HR(I)	2		0	0	0	2	4	1.3
D.	Offensive Use	LT	SL	3	3	3	3	3	3	3	3
			HR(S)	0.2	--	2	2	2	1.5	1	1.5
			HR(P)	5	0	0	0	1	1	0	1.2
			HR(I)	0	0.5	0	0	1	0	0	0.2
		CPT	SL	3		3	3	2	3	3	2.8
			HR(S)	0.2		2	2	3	1.5	1	1.6
			HR(P)	5		0	0	0	2	0	1.2
			HR(I)	0.1		0	0	1	0	0	0.2
E.	Defensive Use	LT	SL	3	3	2	2	3	3	3	2.7
			HR(S)	0.2	--	2	4	8	1.5	1	2.8
			HR(P)	6	0	0	0	8	1	0	2.5
			HR(I)	0	0.5	0	0	8	0	0	1.3
		CPT	SL	3		2	2	2	3	2	2.3
			HR(S)	0.2		2	4	8	1	3	3
			HR(P)	10		0	0	8	1	0	3.2
			HR(I)	0.1		0	0	0	0	0	0
F.	Reconstitution	LT	SL	3	3	3	3	3	4	3	3.2
			HR(S)	0	--	1	4	2	0	1	1.3
			HR(P)	0	1	0	0	1	0	0	0.2
			HR(I)	0	1	0	0	1	0.2	0	0.2
		CPT	SL	3		3	2	2	4	3	2.8
			HR(S)	1		1	4	3	0	1	1.7
			HR(P)	0		0	0	0	1	0	0.2
			HR(I)	0		0	0	3	0.2	0	0.5
G.	NBC Logistics	LT	SL	3	3	3	4	3	3	3	3.2
			HR(S)	3	--	1	0	2	1	1	1.3
			HR(P)	0	1	0	0	1	0.5	2	0.6
			HR(I)	0	0	0	0	1	0	0	0.2
		CPT	SL	3		3	4	2	3	3	3
			HR(S)	0		1	0	3	1	1	1
			HR(P)	0		0	0	0	1	2	0.5
			HR(I)	0		0	0	1	0	0	0.2

* Missile and Munitions School data (HR(S), HR(P) and HR(I)) for Tactical Nuclear Operations indicates consolidated entry and therefore was not included in averaging. Missile and Munitions School data (HR(S)) for OBC and OAC for NBC Warfare indicates consolidated entry and therefore was not included in the averaging. Missile and Munitions POI hours for OAC not available.

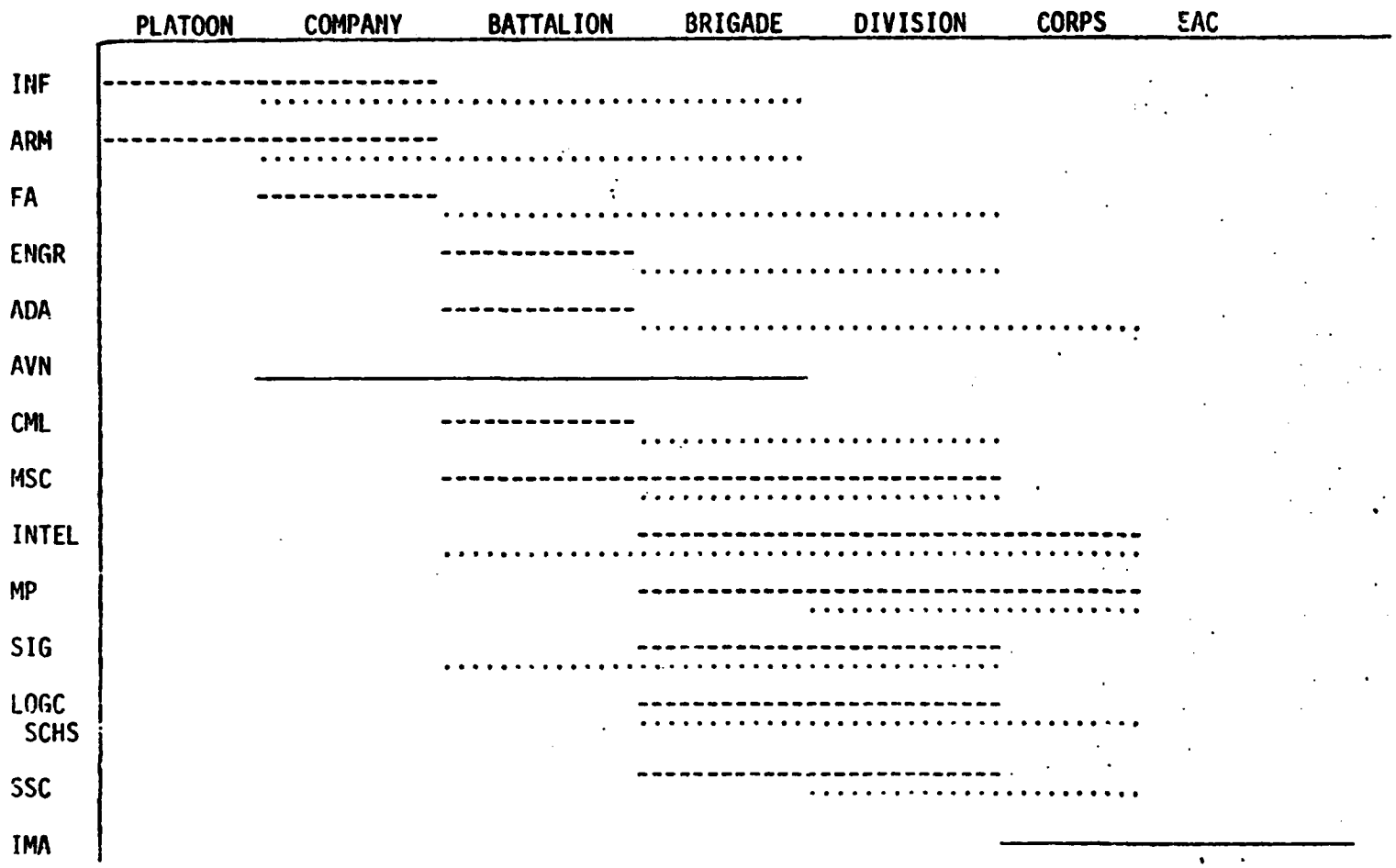
ANNEX I

TACTICAL LEVEL OF INVOLVEMENT

ANNEX I

COMBINED ARMS LEVELS OF TACTICAL INVOLVEMENT

Lieutenant --------
Captain .....
Other _____



ANNEX J

SERVICE SCHOOL SUBJECT ANOMOLIES

ANNEX J

Anomalies*

Infantry School		Suff	Hr(S)	Hr(P/I)
1A	Mission and Role of USA (LT)	2	1	0
1C(1)	Enemy Air Defense (LT)	4	0	0/0.25
1C(2)	Suppression of Enemy AD (LT)	4	0	1/0.1
1C(4)	Airspace Management (LT)	4	0	0.2/0
4B	Tactical Intelligence (LT)	2	6	0
4C	OPSEC (LT)	2	3	0
4E	River Crossing (LT)	2	4	0
6A(1)	Covering Force Area (LT)	1	1	0
6A(2)	Main Battle Area (LT)	1	1	0
6A(3)	Rear Area (LT)	1	1	0
6D	Strong Points (LT)	1	2	0
6F	Breakout/Link-up (LT)	2	4	0
7A	Disengagement (LT)	1	8	0
8A	Concepts and Fundamentals (CPT)	2	2	0
8D	Economy of Force (CPT)	1	6	0
9B	RACO-Organization for Combat (LT)	3	0	0
9B(2)	RACO-Perimeter Defense (LT)	3	0	0
9B(3)	RACO-Active/Passive Security (LT)	3	0	0
9B(4)	RACO-Weapons Employment (LT)	3	0	0
9B(5)	RACO-Physical Layout of Rear Area (LT)	3	0	0
9D	Counterinsurgency Operations (LT)	3	0	0
9E	Counterterror Operations (LT)	3	0	0
9F	SF Operations (LT and CPT)	3	0	0 (Both)
9G	Foreign Internal Defense (LT)	3	0	0
9G	Foreign Internal Defense (CPT)	3	0	6
9H	Unconventional Warfare (LT)	3	0	0
9I	PSYOPS (LT and CPT)	3	0	0 (Both)
9J	Civil Affairs (LT and CPT)	3	0	0 (Both)
10B	Jungle (CPT)	2	7	0
12B	Manportable AD Systems (CPT)	2	1	0
14E	Reconstitution (CPT)	4	0	0/0.1
15C	Survivability (LT)	1	12	0
18A	SIGINT (LT)	4	0	1/0
18E	Intelligence Preparation of the Battlefield (LT)	2	1	0
20A(1)(A)	Air Load Planning (CPT)	2	4	0
20A(1)(C)	Sea Load Planning (CPT)	4	0	0/0.25
20A(2)	Convoy Operations (LT and CPT)	3	0	0 (Both)
20B(4)	Munitions Identification (LT and CPT)	2	6	0 (Both)
20C(2)	Command and Staff Management of PM (LT)	2	4	0
20C(2)	Command and Staff Management of PM (CPT)	2	12	0
20C(3)	PLL (CPT)	2	6	0
20C(4)	Preventive Maintenance Checks and Services (CPT)	1	8	0
20C(5)	TAMMS (CPT)	2	7	0
21B	POW Processing (CPT)	1	1	0
21C	Geneva Convention (CPT)	1	2	0
21D	Code of Conduct (CPT)	1	1	0
21K	How to Train (CPT)	1	6	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Armor School		Suff	Hr(s)	Hr(P/I)
1C(6)	Extended Battlefield (LT)	4	0	1/0
2F	Special Operations (LT)	2	2	0
4G	Patrolling (CPT)	2	2	0
6A(3)	Rear Area (CPT)	2	1	0
6D	Strong Points (CPT)	1	1	0
9B(1)	RACO-Organization for Combat (LT)	3	0	0
9B(1)	RACO-Organization for Combat (CPT)	2	0.5	0
9B(2)	RACO-Perimeter Defense (LT and CPT)	2	0	0 (Both)
9B(3)	RACO-Active/Passive Security (LT and CPT)	2	0	0 (Both)
9B(4)	RACO-Weapons Employment (LT)	2	0	0
9B(4)	RACO-Weapons Employment (CPT)	2	0.5	0
9B(5)	Physical Layout of Rear Area (LT)	2	2	0
9D	Counterinsurgency Operations (LT)	3	0	0
9E	Counterterror Operations (LT)	3	0	0
9G	Foreign Internal Defense (CPT)	2	4	0
9I	Psychological Operations (LT)	3	0	0
9L	Airborne Operations (CPT)	2	0.5	0
9M	Airmobile Operations (LT)	3	0	0
9M	Airmobile Operations (CPT)	2	0.5	0
10C	Mountain Operations (CPT)	2	1.5	0
11E	FA Land Space Requirements in MBA/CFA (CPT)	2	1	0
14F	Reconstitution (CPT)	2	1	0
15E	ADM Operations (LT and CPT)	3	0	0 (Both)
16D	Offensive Use (CPT)	2	0.5	0
16E	Defensive Use (CPT)	2	0.5	0
18F	Tactical All-Source Intelligence Production (LT)	3	0	0
18F	Tactical All-Source Intelligence Production (CPT)	2	1	0
20A(1)(A)	Air Load Planning (CPT)	2	2	0
20A(1)(A)	Sea Load Planning (CPT)	2	2	0
20B(2)	Ammo Safety, Storage and Transportation (CPT)	1	3	0
20B(4)	Munitions Identification (CPT)	1	2	0
20B(5)	Ammo Emergency Destruction Procedures (CPT)	2	1	0
20D(2)	Estimates (CPT)	1	2	0
20D(4)	Replacements (LT)	2	1	0
20D(4)	Replacements (CPT)	1	1	0
20D(5)(A)	First Aid (LT and CPT)	1	0	0 (Both)
21A	Vehicle Recognition (CPT)	1	2	0
21C	Geneva Convention (CPT)	1	2	0
21E	Process Captured Documents and Material (CPT)	2	2	0
21F	Land Navigation (CPT)	1	10	0
21I	Strategic Deployment (CPT)	2	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Aviation School		Suff	Hr(S)	Hr(P/I)
	1. Initial Rotary Wing (LT)			
1C(2)	SEAD	2	3	0
1C(6)	Extended Battlefield	2	2	0
1D	Fundamentals of Modern Combat	2	5	0
4F	Operations During Limited Visibility	3	1	16/6
4G	Patrolling	4	0	0/0.2
6G	C^3 Options once Battle Begins	4	0	0/4
12F	Visual Aircraft Recognition	2	3	0
20C(4)	Preventive Maintenance Checks and Services	2	10	61.5/0
21F	Land Navigation	2	4	56.2/0
21J	Training Mgmt	2	4	0
	2. WO Advanced Course (CPT)			
1C(2)	SEAD	2	3	0
3B	Organization/Preparation for Combat	2	66	1/0
4A	Battlefield Mvmt	2	12	0/0.2
5C	Meeting Engagement	2	1	0
8F	Covering Force	2	7	0
12D	Unit Active AD Meas.	2	1	0
12E	Unit Passive AD Meas.	2	1	0
17B	ECM	3	0	0/2
20A(4)	Aviation Logistics	2	20	0/0.1
20D(4)	Replacements	4	0	0/0.1
20D(5)	First Aid	2	1	0
21G	Use of Radio Equipment	1	2	0
21H	Smoke Ops	2	2	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Field Artillery School		Suff	Hr(S)	Hr(P/I)
1C(5)	Protection of Sensors and Deep Attack Sys (LT)	4	0	0/0.1
1C(6)	Extended Battlefield (LT)	4	0	0/2.2
2F	Special Ops (CPT)	1	16	0
4A	Battlefield Movement (LT)	2	0.9	2/14
4A	Battlefield Movement (CPT)	2	4	3.5/22.3
4G	Patrolling (CPT)	2	0.1	0
5H	Relief of Encircled Forces (LT)	1	-	0
5I	Reconnaissance in Force (CPT)	1	-	0
9A	MOUT (CPT)	1	0.6	4.2/9
9B(3)	RACO-Active/Passive Security (CPT)	1	0.1	0
9B(4)	RACO-Weapons Employment (CPT)	1	0.1	0
9C	Reconstitution of Ineff. Unit (LT)	2	6	0
9C	Reconstitution of Ineff. Unit (CPT)	1	3	0
9E	Counterterror Ops (CPT)	4	0	0/0.2
16F	Reconstitution (CPT)	1	3	0
17A	ESM (LT)	2	0.9	0
17D	Integrated Ops w/Tactics (LT)	2	0.9	0
18A	Signals Intelligence (CPT)	3	2	6/0
18B	Imagery Intelligence (CPT)	3	1	6/0
19	NATO Interoperability	2	5	0
20A(1)(B)	Land (CPT)	1	2	0
20B(1)	Ammo Spt Structure/Requis (LT)	2	1.7	0
20B(2)	Ammo Safety, Storage, Transp (LT)	2	1.5	0
20B(4)	Munition ID (CPT)	2	0.8	0
20B(5)	Ammo Emer Dest. Procedures (LT)	2	0.7	0
20B(5)	Ammo Emer Dest. Procedures (CPT)	2	2	0
20D(1)	Accountability (CPT)	4	0	0.3/4.2
20D(5)(A)	First Aid (LT)	2	1	0
20E	Supply (LT)	2	3.4	0
20G	Subsistence (CPT)	4	0	0/5.2
21F	Land Navigation (LT)	1	18	37/0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

ADA School		Suff	Hr(S)	Hr(P/I)
1A	Mission and Role of USA (LT)	2	3	0
1A	Mission and Role of USA (CPT)	2	2	0
2E	Combat Support (LT)	2	2	0
3C(1)	Staff Procedures in Cmbt (CPT)	2	2	0
3C(3)	Decisionmaking (LT)	2	4	0
4G	Patrolling (LT)	2	2	0
6C(1)	Linear (CPT)	2	2	0
6C(3)	Perimeter (CPT)	2	2	0
7A	Disengagement (CPT)	2	2	0
9B(2)	RACO-Perimeter Defense (CPT)	1	.5	0
9B(5)	RACO-Physical Layout of Rear Area (CPT)	2	1	0
9C	Reconstitution of Ineff. Unit (LT)	2	1	0
9E	Counterterror Ops (CPT)	2	2	0
9L	Airborne (CPT)	2	1	0
9N	Ranger (LT and CPT)	3	0	0
13C	Combat Service Spt Aviation (CPT)	2	2	0
14B(1)	Nuc. Battle Planning (LT)	1	2	0
14B(2)	Nuc. Battle Tactics (LT)	1	1	0
14C	Nuc Release/Employment (LT)	1	1	0
14E	Reconstitution (LT)	1	1	0
14E	Reconstitution (CPT)	2	1	0
14F	C^3 on Nuc. Battlefield (LT)	1	1	0
14F	C^3 on Nuc. Battlefield (CPT)	2	1	0
16D	Offensive Use (LT)	1	1	0
16F	Reconstitution (LT)	1	1	0
16F	Reconstitution (CPT)	2	1	0
17A	ESM (LT)	2	2	0
17B	ECM (LT)	2	1	0
17C	SIGSEC (LT)	2	4	0
19	NATO Interoperability (CPT)	2	3	0
20A(1)(A)	Air (CPT)	2	2	0
20A(1)(B)	Land (CPT)	2	3	0
20A(2)	Convoy Ops (LT)	2	1	0
20A(2)	Convoy Ops (CPT)	1	2	0
20A(3)	Movement Control (LT)	2	1	0
20A(3)	Movement Control (CPT)	1	2	0
20B(1)	Ammo Support Structure/Requis. (CPT)	2	2	0
20B(2)	Ammo Safety Storage, Transp (LT and CPT)	2	1	0 (Both)
20B(4)	Munition ID (LT and CPT)	2	2	0 (Both)
20B(6)	EOD Ops (CPT)	2	2	0

20C(1)	Recovery and Evac. (LT)	2	3	0
20C(4)	PMCS (CPT)	1	9	0
20D(5)(A)	First Aid (LT and CPT)	2	2	0 (Both)
20D(5)(B)	Med. Evac (LT)	2	2	0
21A	Vehicle Recognition (LT)	2	2	0
21B	POW Processing (CPT)	2	2	0
21E	Process Captured Doc's/Mat (CPT)	2	3	0
21H	Smoke Operations (LT)	2	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Engineer School		Suff	Hr(S)	Hr(P/I)
1A	Mission/Role of USA (LT)	2	1	0
1B	Principles of War (LT)	2	1	0
1C(1)	Enemy AD (LT)	4	0	0/0.5
3A	Leadership (LT and CPT)	1	25	0 (Both)
3C(1)	Staff Procedures in Combat (LT)	2	2	0
3C(3)	Decisionmaking (LT and CPT)	2	2	0 (Both)
4A	Battlefield Mvmt (LT)	2	6	0
4E	River Crossing (LT)	1	20	0
4F	Ops During Limited Vis (LT)	2	24	0
4F	Ops During Limited Vis (CPT)	2	6	0
5A	Concepts/Fundamentals (LT)	2	2	0
9K	Amphibious Ops (LT)	2	1	0
9K	Amphibious Ops (CPT)	1	3	0
11A	Request/Adjust Fire (CPT)	2	4	0
11C	FA Org, Cmd and Control (CPT)	4	0	3/0
12D	Unit Active AD Measures (LT and CPT)	2	1	0 (Both)
12E	Unit Passive AD Measures (LT and CPT)	2	1	0 (Both)
16G	NBC Logistics (LT)	4	0	1/0
20A(1)(A)	Air (LT and CPT)	2	1	0 (Both)
20A(1)(B)	Land (LT and CPT)	2	1	0 (Both)
20A(1)(C)	Sea (LT and CPT)	2	1	0 (Both)
20B(4)	Munition Ident. (LT)	2	1	0
20B(5)	Ammo Emer. Dest. Proced (LT and CPT)	2	1	0 (Both)
20B(6)	EOD Ops (CPT)	2	1	0
20C(2)	Cmd/Staff Mgmt of PM (LT)	1	2	0
20C(2)	Cmd/Staff Mgmt of PM (CPT)	1	8	0
20C(3)	PLL (LT)	1	2	0
20C(4)	PMCS (LT and CPT)	1	4	0 (Both)
20C(5)	TAMMS (LT and CPT)	1	4	0 (Both)
20D(1)	Accountability (CPT)	2	2	0
20D(2)	Estimates (CPT)	2	1	0
20D(3)	Casualty Rpt (LT and CPT)	2	1	0 (Both)
20D(4)	Replacements (LT and CPT)	2	1	0 (Both)
20D(5)(B)	Med. Evac (LT and CPT)	2	2	0 (Both)
20F	POL (LT)	2	2	0
20G	Subsistence (LT)	2	2	0
20H	Field Services (LT)	2	2	0
21C	Geneva Convention (LT)	2	1	0
21C	Geneva Convention (CPT)	2	.5	0
21D	Code of Conduct (LT)	1	1	0
21D	Code of Conduct (CPT)	2	.5	0
21E	Process Captured Doc's/Mat (CPT)	2	1	0
21F	Land Navigation (CPT)	1	3	0
21G	Use of Radio Equip (LT)	1	8	0
21G	Use of Radio Equip (CPT)	1	10	0
21H	Smoke Ops (LT)	2	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Signal School		Suff	Hr(S)	Hr(P/I)
1B	Principles of War (LT)	3	0	0
1B	Principles of War (CPT)	2	2/0	0
1C(4)	Airspace Mgmt (CPT)	3	0	0
1D	Underlying Fund of Mod Cmbt (CPT)	2	2	0
2C	Offensive Ops (CPT)	3	0	1/1
2D	Defensive Ops (CPT)	3	0	1/2
3C(1)	Staff Procedures in Combat (CPT)	2	2	7/14
3C(3)	Decisionmaking (CPT)	2	2	0
4A	Battlefield Mvmt (CPT)	3	0	0
4B	Tactical Intelligence (LT)	3	0	0
4D	Passage of Lines (LT)	3	0	0
4E	River Crossing (LT)	3	0	0
4G	Patrolling (LT and CPT)	3	0	0 (Both)
5B	Movement to Contact (LT)	3	0	2.6/1
5C	Meeting Engagement (LT)	3	0	0
5D	Hasty Attack (LT)	3	0	0
5E	Deliberate Attack (LT)	3	0	0
5F	Exploitation (LT)	3	0	0
5G	Pursuit (LT)	3	0	0
5H	Relief of Encircled Forces (LT)	3	0	0
5I	Reconnaissance in Force (LT)	3	0	0
5J	Deception Ops (LT)	3	0	0
6B	Defense in Sector (LT)	3	0	0
6C(1)	Linear (LT and CPT)	3	0	0 (Both)
6C(2)	In-Depth (CPT)	3	0	0
6D	Strong Points (LT and CPT)	3	0	0 (Both)
6E	Counterattack (LT and CPT)	3	0	0 (Both)
6F	Breakout/Link-up (LT and CPT)	3	0	0 (Both)
6G	C^3 Options once Battle Begins (LT)	3	0	0
8A	Concepts and Fundamentals (LT)	3	0	0
8B	Reconnaissance (LT and CPT)	3	0	0 (Both)
8C	Security (LT and CPT)	3	0	0 (Both)
8D	Economy of Force (LT and CPT)	3	0	0 (Both)
8F	Covering Force (LT and CPT)	3	0	0 (Both)
9A	MOUT (LT and CPT)	3	0	0 (Both)
9B(1)	RACO-Organization for Combat (LT)	3	0	0.5/0.2
9B(5)	RACO-Physical Layout of Rear Area (LT)	3	0	0
9D	Counterinsurgency Ops (LT and CPT)	3	0	0 (Both)
9E	Counterterror Ops (LT and CPT)	3	0	0 (Both)
9F	SF Ops (LT and CPT)	3	0	0 (Both)
9H	UW Ops (LT)	3	0	0
9I	PSYOPS (LT and CPT)	3	0	0 (Both)
9L	Airborne (LT)	3	0	0
9M	Airmobile (LT)	3	0	0
9N	Ranger Ops (LT and CPT)	3	0	0 (Both)

11B	Artillery Effects (CPT)	3	0	0
12B	Manportable AD Sys (LT)	3	0	0
12D	Unit Active AD Measures (CPT)	3	0	0/0.5
12F	Visual Aircraft Recognition (LT and CPT)	3	0	0 (Both)
13C	Combat Service Spt Aviation (CPT)	3	0	4/1
14B(1)	Nuclear Battle Planning (LT)	3	0	0
14B(2)	Nuclear Battle Tactics (LT)	3	0	0
14C	Nuclear Release/Employment (LT)	3	0	0
14D	Nuclear Logistics (LT and CPT)	3	0	0 (Both)
14E	Reconstitution (LT)	3	0	0
14F	C^3 on the Nuclear Battlefield (CPT)	2	4	0
15A	Mobility (LT)	3	0	0
15D	General Engineering (LT)	3	0	0
16E	Defensive Use (CPT)	2	7	0
16G	NBC Logistics (LT and CPT)	3	0	0 (Both)
17A	ESM (CPT)	3	1	24/0
17C	SIGSEC (CPT)	2	15	24/1
18A	SIGINT (LT and CPT)	3	0	0 (Both)
18B	IMINT (LT and CPT)	3	0	0 (Both)
18C	HUMINT (LT and CPT)	3	0	0 (Both)
18D	Counterintelligence (LT and CPT)	3	0	0 (Both)
18E	IPB (LT and CPT)	3	0	0 (Both)
18F	Tactical All-Source Intelligence Production and Management (LT and CPT)	3	0	0 (Both)
20A(1)(A)	Air (LT)	3	0	3/0.5
20A(1)(B)	Land (LT)	3	0	0
20A(3)	Movement Control (LT and CPT)	3	0	0 (Both)
20B(4)	Munitions ID (LT and CPT)	3	0	0 (Both)
20B(6)	EOD Ops (LT and CPT)	3	0	0 (Both)
20C(2)	Command and Staff Management of PM (CPT)	3	2	24/2
20D(1)	Accountability (LT)	3	0	0
20D(2)	Estimates (LT and CPT)	3	0	0 (Both)
20D(3)	Casualty Reporting (LT and CPT)	3	0	0 (Both)
20D(4)	Replacements (LT and CPT)	3	0	0 (Both)
20D(5)(B)	Med. Evac (LT and CPT)	3	0	0 (Both)
20F	POL (LT and CPT)	3	0	0 (Both)
20G	Subsistence (LT)	3	0	0/0.5
20G	Subsistence (CPT)	3	0	2/0.5
20H	Field Services (LT and CPT)	3	0	0 (Both)
21A	Vehicle ID (LT and CPT)	3	0	0 (Both)
21B	POW Processing (LT and CPT)	3	0	0 (Both)
21E	Process Captured Doc's/Mat (LT and CPT)	3	0	0 (Both)
21G	Use of Organic Radio Equip (LT)	2	0	0/10
21H	Smoke Ops (LT)	3	0	0.2/0.4
21H	Smoke Ops (CPT)	3	0	1/0.4
21I	Strategic Deployment (LT)	3	0	0
21I	Strategic Deployment (CPT)	3	2	35/0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

MP School		Suff	Hr(S)	Hr(P/I)
1C(4)	Airspace Mgmt (LT and CPT)	4	0	0.3/0 (Both)
2D	Defensive Ops (CPT)	2	4	0
3C(1)	Staff Procedures in Combat (LT)	2	4	0
4G	Patrolling (CPT)	1	2	0
5H	Relief of Encircled Forces (CPT)	2	1	0
5J	Deception Ops (CPT)	2	2	0
6A(3)	Rear Area (LT)	2	4	14/3
6F	Breakout/Linkup (CPT)	2	1	0
6G	C^3 Options Once Btl Begins (CPT)	2	2	0
8B	Reconnaissance (CPT)	1	6	0/0.3
9B(2)	RACO-Perimeter Defense (CPT)	1	7	17/2
9D	Counterinsurgency Ops (LT and CPT)	2	8	0 (Both)
9J	Civil Affairs (LT and CPT)	2	2	0 (Both)
9N	Ranger Ops (LT)	3	0	0
9N	Ranger Ops (CPT)	3	0	.5/0
10A	Desert (LT and CPT)	3	0	0.2/0 (Both)
10B	Jungle (LT)	3	0	.2/0
10B	Jungle (CPT)	3	0	.4/0
10C	Mountain (LT)	3	0	.2/0
10C	Mountain (CPT)	3	0	.5/0
10D	Northern Regions (LT and CPT)	3	0	0 (Both)
11C	FA Organization, Command and Control (LT)	2	2	10/0
11E	Land Space Rqmts in MBA/CFA (LT and CPT)	4	0	1/0 (Both)
12D	Unit Active AD Measures (LT)	2	1	0
12D	Unit Active AD Measures (CPT)	1	1	0
12F	Visual Aircraft Recognition (LT and CPT)	2	2	0 (Both)
16C	Survivability (LT)	2	32	.2/0
16C	Survivability (CPT)	1	46	.2/0
20A(4)	Aviation Logistics (CPT)	4	0	2/0
20B(1)	Ammo Spt Structure/Requisition (CPT)	2	1	0
20B(2)	Ammo Safety, Stor., Transp (CPT)	2	2	0
20B(5)	Ammo Emer. Dest Proced (LT and CPT)	2	1	0 (Both)
20C(1)	Recovery/Evac (CPT)	2	1	0
20C(2)	Cmd/Staff Mgmt of PM (LT and CPT)	2	2	0 (Both)
20D(1)	Accountability (LT)	2	1	0
20D(1)	Accountability (CPT)	1	2	0
20D(2)	Estimates (LT)	2	1	0
20D(2)	Estimates (CPT)	1	2	0
20D(3)	Casualty Reporting (CPT)	1	2	0
20D(4)	Replacements (LT)	2	1	0
20D(4)	Replacements (CPT)	1	2	0
20D(5)(A)	First Aid (CPT)	2	8	0
20E	Supply (CPT)	2	34	0

20H	Field Services (CPT)	2	2	0
21A	Vehicle Recognition (LT and CPT)	2	4	0 (Both)
21H	Smoke Ops (CPT)	2	2	0
21J	Training Mgmt (LT)	2	24	0
21J	Training Mgmt (CPT)	1	25	0
21K	How to Train (LT)	2	12	0
21K	How to Train (CPT)	1	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

MI School		Suff	Hr(S)	Hr(P/I)
4G	Patrolling (CPT)	1	0	0
5H	Relief of Encircled Forces (CPT)	3	0	0
5I	Reconnaissance in Force (CPT)	3	0	0
8E	Ops of Div Cav (CPT)	2	0	0
9B(2)	RACO-Perimeter Defense (CPT)	3	0	0
9B(3)	RACO-Active/Passive Security (CPT)	2	0	0
9B(4)	RACO-Weapons Employment (CPT)	3	0	0
9B(5)	RACO-Physical Layout of Rear Area (CPT)	3	0	0
9G	Foreign Internal Defense (CPT)	3	0	0
9H	UW Operations (CPT)	3	0	0
9I	PSYOPS (CPT)	3	0	0
9J	Civil Affairs (CPT)	2	0	0
9K	Amphibious (CPT)	3	0	0
9L	Airborne (CPT)	2	0	0
9N	Ranger (CPT)	3	0	0
11A	Request and Adjust Fire (CPT)	1	0	0
11B	Artillery Effects (CPT)	3	0	0
12F	Visual Aircraft Recognition (CPT)	2	0	0
13C	Combat Service Spt Aviation (CPT)	3	0	0
19	NATO Interoperability (CPT)	3	0	0
20A(1)(A)	Air (CPT)	2	0	0
20A(1)(B)	Land (CPT)	2	0	0
20A(1)(C)	Sea (CPT)	2	0	0
20A(2)	Convoy Ops (CPT)	2	0	0
20A(3)	Movement Control (CPT)	3	0	0
20A(4)	Aviation Logistics (CPT)	3	0	0
20B(1)	Ammo Spt Structure/Requisitioning (CPT)	3	0	0
20B(2)	Ammo Safety, Storage, Transp (CPT)	2	0	0
20B(3)	Ammo Supply Rates/DAO Func. (CPT)	3	0	0
20B(4)	Munition ID (CPT)	3	0	0
20B(5)	Ammo Emer. Dest. Proced (CPT)	3	0	0
20B(6)	EOD Ops (CPT)	3	0	0
20D(2)	Estimates (CPT)	2	0	0
20D(5)(B)	Med. Evac (CPT)	2	0	0
20H	Field Services (CPT)	3	0	0
21A	Vehicle Recognition (CPT)	2	0	0
21B	POW Processing (CPT)	1	0	0
21E	Process Captured Doc/Mat (CPT)	1	0	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Chemical School		Suff	Hr(S)	Hr(P/I)
1C(4)	Airspace Mgmt (LT)	2	1	0
1C(5)	Protection of Sensors and Deep Attack Sys (CPT)	2	.1	0
2F	Special Ops (LT)	2	1	0
3C(1)	Staff Procedures in Combat (CPT)	1	8	30/0
3C(2)	Plans, Orders, Graphics, Reds and Rpts (CPT)	1	10	30/0
4E	River Crossing (LT)	2	2	0
4F	Operations in Limited Visibility (CPT)	1	14	0/0.5
4G	Patrolling (LT)	2	4	16/48
5H	Relief of Encircled Forces (LT)	2	.5	0
6F	Breakout/Linkup (LT)	2	2	0
8C	Security (LT)	2	1	0
8D	Economy of Force (LT)	2	.5	0
8E	Ops of Div. Cav (LT)	2	2	0
8F	Covering Force (LT)	2	2	0
9A	MOUT (LT)	2	2	0
9C	Reconstitution of Ineff Unit (CPT)	2	1	0
9D	Counterinsurgency Ops (LT and CPT)	2	1	0 (Both)
9E	Counterterror (LT and CPT)	2	1	0 (Both)
9F	SF Ops (LT)	2	.5	0
9F	SF Ops (CPT)	2	1	0
9H	Unconventional Warfare (CPT)	2	1	0
9I	PSYOPS (CPT)	2	1	0
9K	Amphibious Ops (CPT)	2	2	0
9N	Ranger Ops (LT and CPT)	2	1	0 (Both)
10A	Desert (LT)	2	2	0
10B	Jungle (LT)	2	2	0
10C	Mountain (LT)	2	1	0
10D	Northern Regions (LT)	2	1	0
12C	Non-Divisional AD Sys (LT)	2	1	0
12F	Visual Aircraft Recognition (CPT)	2	1	0
14B(2)	Nuc Battle Tactics (LT)	2	5	0
14D	Nuc Logistics (LT)	2	2	0
14E	Reconstitution (LT)	2	1	0
14E	Reconstitution (CPT)	1	3	0
15C	Survivability (LT)	2	1	0
18A	SIGINT (LT)	2	0.2	0
18B	IMINT (LT)	2	0.2	0
18E	IPB (LT)	2	0.5	0
18F	Tac. All Source Intel Prod (LT)	2	0.5	0
19	NATO Interoperability (CPT)	2	2	0
20A(1)(A)	Air (LT)	2	0.5	0
20A(1)(A)	Air (CPT)	2	1	0

20A(1)(B)	Land (LT)	2	0.5	0
20A(1)(B)	Land (CPT)	2	1	0
20A(1)(C)	Sea (LT)	2	0.5	0
20A(1)(C)	Sea (CPT)	2	1	0
20A(2)	Convoy Ops (CPT)	2	3	0
20A(3)	Movement Control (CPT)	2	2	0
20A(4)	Aviation Logistics (LT)	2	2	0
20A(4)	Aviation Logistics (CPT)	2	3	0
20B(2)	Ammo Safety, Stor, Transp (LT)	2	2	0
20B(5)	Ammo Emer. Dest Proced (LT)	2	2	0
20B(5)	Ammo Emer. Dest Proced (CPT)	1	3	0
20D(2)	Estimates (LT)	2	.5	0
20D(3)	Casualty Reporting (CPT)	2	1	0
20D(4)	Replacements (LT)	2	0.5	0
20D(4)	Replacements (CPT)	2	1	0
20F	POL (LT)	2	1	0
20G	Subsistence (LT)	2	1	0
21A	Vehicle Recognition (CPT)	2	1	0
21H	Smoke Operations (LT)	1	75	93/0.2
21I	Strategic Deployment (CPT)	2	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Ordnance School		Suff	Hr(S)	Hr(P/I)
1A	Mission/Role of USA (CPT)	3	0	0/2
1B	Principles of War (CPT)	3	0	0/0.1
1C(4)	Airspace Mgmt (LT and CPT)	3	0	0 (Both)
1D	Fundamentals of Mod Cmbt (LT)	2	8	0
3B	Org/Prep for Cmbt (LT)	2	2	0
3B	Org/Prep for Cmbt (CPT)	2	1	0
3C(1)	Staff Procedures in Cmbt (LT)	2	2	0
3C(2)	Plans, Orders, Graphs, Rcds, Rpts (LT)	2	4	0
3C(3)	Decisionmaking (LT)	2	2	0
4D	Passage of Lines (LT)	4	0	0/0.2
4G	Patrolling (CPT)	2	.5	0
8F	Covering Force (LT)	4	0	0/0.2
9B(5)	RACO-Physical Layout of Rear Area (CPT)	1	3	0
9C	Reconstitution of Ineff Unit (CPT)	3	0	0/0.5
9D	Counterinsurgency Ops (CPT)	3	0	0
9E	Counterterror (LT and CPT)	3	0	0 (Both)
9F	SF Ops (LT and CPT)	3	0	0 (Both)
9G	Foreign Internal Defense (LT and CPT)	3	0	0 (Both)
9H	UW Ops (CPT)	3	0	0
9I	PSYOPS (LT and CPT)	3	0	0 (Both)
9J	Civil Affairs (CPT)	3	0	0/0.1
9K	Amphibious (CPT)	3	0	0
9L	Airborne (LT)	3	0	0
9M	Airmobile (LT)	3	0	0
9N	Ranger (LT and CPT)	3	0	0 (Both)
10A	Desert (CPT)	3	0	0/0.1
10B	Jungle (CPT)	3	0	0/0.1
10C	Mountain (CPT)	3	0	0/0.1
10D	Northern Regions (CPT)	3	0	0
11A	Request/Adj Fire (CPT)	2	0	2/0
11B	Artillery Effects (CPT)	1	0	0
11D	Priority of Spt on Ext Btlfld (LT)	3	0	0
11E	Land Space Rqmts in MBA/CFA (CPT)	3	0	0/0.1
12C	Non-Divisional AD Sys (LT)	3	0	0
13A	Combat Aviation (CPT)	3	0	0/0.5
13B	CS Aviation (CPT)	3	0	0
13C	CSS Aviation (CPT)	2	0	0
14B(1)	Nuc Battle Planning (LT)	4	0	4/0
14B(1)	Nuc Battle Planning (CPT)	3	.5	13/0.1
14C	Nuc Release/Employment (CPT)	3	0	0/0.1
15E	ADM Ops (CPT)	4	0	.1/0
16F	Reconstitution (LT)	3	0	0
16G	NBC Logistics (CPT)	3	0	0
17A	ESM (LT)	3	0	0

17D	Integrated Ops w/Tactics (LT)	3	0	0
18A	SIGINT (LT)	3	0	0
18A	SIGINT (CPT)	3	0	.1/0
18B	IMINT (LT)	3	0	0
18B	IMINT (CPT)	3	0	.1/0
18C	HUMINT (LT)	3	0	0
18C	HUMINT (CPT)	3	0	.1/0
18D	Counterintelligence (CPT)	3	0	0/0.1
18E	IPB (LT)	3	0	0
19	NATO Interoperability (LT)	2	2	0
19	NATO Interoperability (CPT)	2	0	0
20A(1)(A)	Air (LT)	2	1	0
20A(1)(A)	Air (CPT)	1	3	0
20A(1)(B)	Land (LT)	2	1	0
20A(1)(B)	Land (CPT)	1	3	0
20A(1)(C)	Sea (LT)	2	1	0
20A(1)(C)	Sea (CPT)	1	2	0
20A(4)	Aviation Logistics (CPT)	3	0	0
20B(1)	Ammo Spt Structure and Requisitioning (CPT)	2	3	0
20B(2)	Ammo Safety, Stor., Transp (CPT)	2	3	0
20B(3)	Supply Rates/DAO Func. (CPT)	2	3	0
20B(4)	Munitions Ident. (CPT)	2	1	0
20B(5)	Ammo. Emgergency Dest Proced (CPT)	2	1	0
20B(6)	EOD Ops (CPT)	2	.5	0
20D(2)	Estimates (CPT)	1	2	0
20D(3)	Casualty Reporting (LT)	3	0	0
20D(3)	Casualty Reporting (CPT)	2	0	0
20D(4)	Replacements (LT)	3	0	0
20D(4)	Replacements (CPT)	2	1	0
20D(5)(A)	First Aid (LT)	2	0	0/1
20D(5)(A)	First Aid (CPT)	2	0	0
20D(5)(B)	Med Evac (CPT)	2	0	0
20F	POL (LT)	3	0	1/0
20F	POL (CPT)	2	0	0
20G	Subsistence (CPT)	2	0	2/0
20H	Field Services (CPT)	2	3	0
21A	Vehicle Identification (CPT)	2	0	16/0
21B	POW Processing (LT)	1	1	0
21B	POW Processing (CPT)	1	0	0
21C	Geneva Convention (CPT)	1	0	0
21D	Code of Conduct (CPT)	1	0	0
21F	Land Navigation (CPT)	1	2	0
21G	Use of Org. Radio Equip (CPT)	1	0	0/0.5
21H	Smoke Ops (LT)	3	0	0
21I	Strategic Deployment (CPT)	2	1	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Due to the manner in which the data was reported, anomolies for the Missile and Munitions School were not discernible.

ANNEX J

Anomalies*

Adjutant General School		Suff	Hr(S)	Hr(P/I)
1A	Mission/Role of USA (LT and CPT)	2	2	0 (Both)
1C(5)	Protection of Sensors and Deep Attack Sys (CPT)	4	0	0/0.5
1D	Fundamentals of Mod. Cmbt (LT and CPT)	2	2	0 (Both)
3B	Organization/Preparation for Cmbt (LT)	2	2	0
3B	Organization/Preparation for Cmbt (CPT)	1	4	0
3C(1)	Staff Procedures in Cmbt (LT)	2	6	0
3C(1)	Staff Procedures in Cmbt (CPT)	1	4	0
3C(2)	Plans, Orders, Graphs, Rcds, Rpts (LT)	2	1	0
3C(2)	Plans, Orders, Graphs, Rcds, Rpts (CPT)	2	2	0
3C(3)	Decisionmaking (LT and CPT)	1	4	0 (Both)
3C(4)	C^3 (CPT)	2	2	0
4A	Battlefield Mvmt (CPT)	1	4	0
4C	OPSEC (CPT)	2	2	0
4G	Patrolling (CPT)	2	2	0
5A	Concepts/Fundamentals (LT)	1	2	0
5A	Concepts/Fundamentals (CPT)	1	4	0
5B	Movement to Contact (LT and CPT)	3	0	0 (Both)
5C	Meeting Engagement (LT and CPT)	3	0	0 (Both)
5D	Hasty Attack (LT and CPT)	2	2	0 (Both)
6A(1)	Covering Force Area (LT)	2	1	0
6A(2)	Main Battle Area (LT)	2	1	0
6B	Defense in Sector (LT and CPT)	2	1	0 (Both)
6C(1)	Linear (LT and CPT)	2	1	0 (Both)
6C(2)	In-Depth (LT and CPT)	2	1	0 (Both)
6C(3)	Perimeter (LT and CPT)	2	1	0 (Both)
6D	Strong Points (LT and CPT)	2	1	0 (Both)
6E	Counterattack (LT and CPT)	2	1	0 (Both)
9A	MOUT (LT and CPT)	2	2	0 (Both)
9B(2)	RACO-Perimeter Defense (LT and CPT)	1	4	0 (Both)
9B(3)	RACO-Active/Passive Security (LT and CPT)	1	4	0 (Both)
9B(4)	RACO-Weapons Employment (CPT)	1	4	0
9B(5)	RACO-Physical Layout of Rear Area (LT and CPT)	1	4	0 (Both)
11A	Request/Adjust Fire (LT and CPT)	1	2	0 (Both)
12E	Unit Passive AD Measures (LT and CPT)	1	2	0 (Both)
12F	Visual Aircraft Recognition (LT and CPT)	2	2	0 (Both)
14E	Reconstitution (LT)	2	1	0
14E	Reconstitution (CPT)	2	2	0
16E	Defensive Use (LT and CPT)	2	2	0 (Both)
17A	ESM (LT)	4	0	0/2
18D	Counterintelligence (LT and CPT)	2	2	0 (Both)
20A(1)(A)	Air (CPT)	2	1	0
20A(1)(B)	Land (LT and CPT)	1	2	0 (Both)

20A(2)	Convoy Ops (LT and CPT)	2	2	0 (Both)
20A(3)	Movement Control (LT and CPT)	2	1	0 (Both)
20C(4)	PMCS (CPT)	1	4	0
20C(5)	TAMMS (LT and CPT)	2	1	0 (Both)
20D(2)	Estimates (LT and CPT)	2	1	0 (Both)
20D(5)(A)	First Aid (CPT)	1	2	0
20D(5)(B)	Medical Evac (LT and CPT)	2	1	0 (Both)
20F	POL (LT and CPT)	2	1	0 (Both)
20G	Subsistence (LT and CPT)	2	2	0 (Both)
20H	Field Services (LT and CPT)	2	2	0 (Both)
21C	Geneva Convention (LT and CPT)	2	1	0 (Both)
21D	Code of Conduct (LT and CPT)	2	1	0 (Both)
21G	Use of Radio Equip (CPT)	1	8	0
21J	Training Mgmt (LT)	1	4	0
21J	Training Mgmt (CPT)	1	16	0
21K	How to Train (LT)	2	1	0
21K	How to Train (CPT)	1	16	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Finance School		Suff	Hr(S)	Hr(P/I)
1A	Mission/Role of USA (LT)	2	2	0
1A	Mission/Role of USA (CPT)	2	1	0
1C(5)	Protection of Sensors and Deep Attack Sys (CPT)	4	0	0/0.5
1D	Fundamentals of Mod Cmbt (LT and CPT)	2	3	0 (Both)
2E	Combat Support (LT)	4	0	0/7
3C(1)	Staff Procedures in Combat (CPT)	2	16	0
3C(2)	Plans, Orders, Graphs, Rcds, Rpts (LT)	2	8	0
3C(2)	Plans, Orders, Graphs, Rcds, Rpts (CPT)	2	4	0
3C(3)	Decisionmaking (CPT)	2	8	0
3C(4)	C^3 (CPT)	2	4	0
4A	Battlefield Mvmt (CPT)	2	4	0
4C	OPSEC (CPT)	2	2	0
6C(3)	Perimeter (LT and CPT)	2	4	0 (Both)
9B(2)	RACO-Perimeter Defense (LT)	2	4	0
9B(2)	RACO-Perimeter Defense (CPT)	1	4	0
9B(3)	RACO-Active/Passive Security (LT)	2	4	0
9B(3)	RACO-Active/Passive Secuirty (CPT)	1	4	0
9B(4)	RACO-Weapons Employment (CPT)	1	4	0
9B(5)	RACO-Physical Layout of Rear Area (LT)	2	2	0
9B(5)	Physical Layout of Rear Area (CPT)	1	4	0
9C	Reconstitution of Ineff Unit (CPT)	1	4	0
11A	Request/Adjust Fire (LT and CPT)	2	2	0 (Both)
11D	Priority of Spt on Ext. Btlfld (CPT)	2	2	0
12D	Unit Active AD Measures (CPT)	2	3	0
12E	Unit Passive AD Measures (LT)	2	2	0
12E	Unit Passive AD Measures (CPT)	1	4	0
12F	Visual Aircraft Recognition (LT and CPT)	2	2	0 (Both)
16E	Defensive Use (LT and CPT)	2	4	0 (Both)
16F	Reconstitution (CPT)	2	4	0
17A	ESM (LT and CPT)	4	0	0/2 (Both)
20A(2)	Convoy Ops (CPT)	2	4	0
20C(4)	PMCS (CPT)	2	4	0
20C(5)	TAMMS (LT and CPT)	2	4	0 (Both)
20D(1)	Accountability (LT and CPT)	2	2	0 (Both)
20D(2)	Estimates (CPT)	2	2	0
20D(5)(A)	First Aid (CPT)	2	2	0
20G	Subsistence (CPT)	2	4	0
21C	Geneva Convention (LT and CPT)	2	1	0 (Both)
21D	Code of Conduct (LT and CPT)	2	1	0 (Both)
21G	Use of Radio Equip (CPT)	1	8	0
21I	Strategic Deployment (CPT)	1	16	0
21J	Training Mgmt (LT)	2	4	0
21J	Training Mgmt (CPT)	1	8	0
21K	How to Train (LT)	2	16	0
21K	How to Train (CPT)	1	8	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Quartermaster School		Suff	Hr(S)	Hr(P/I)
4E	River Crossing (CPT)	2	2	0
5C	Meeting Engagement (CPT)	2	3	0
5I	Reconnaissance in Force (CPT)	2	3	0
6A(3)	Rear Area (CPT)	2	5	16/2
6C(1)	Linear Defense (CPT)	2	3	0
6F	Breakout/Linkup (CPT)	2	3	0
7D	Retirement (CPT)	2	3	0
8E	Ops of Div Cav (CPT)	2	2	0
9K	Amphibious Ops (CPT)	2	3	0
9L	Airborne Ops (CPT)	2	5	0
9M	Airmobile Ops (CPT)	2	2	0
10B	Jungle Ops (CPT)	2	2	0
10C	Mountain (CPT)	2	2	0
10D	Northern Regions (CPT)	2	2	0
12C	Non-Divisional AD Sys (CPT)	2	2	0
12F	Visual Aircraft Recognition (CPT)	2	3	0
12G	Priority of Spt on Ext Btlfld (CPT)	2	5	0
18A	Signals Intelligence (LT)	4	0	1/0
20A(3)	Movement Control (LT)	2	7	0
20A(4)	Aviation Logistics (CPT)	2	6	0
20D(1)	Accountability (LT)	2	3	0
20D(5)(B)	Med. Evacuation (CPT)	2	2	0
21A	Vehicle Recognition (LT)	2	3	0
21E	Process Captured Doc/Mat (LT)	2	3	0
21H	Smoke Ops (LT and CPT)	2	3	0 (Both)

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Transportation School		Suff	Hr(S)	Hr(P/I)
3A	Leadership (CPT)	2	7	24/12
9B(2)	RACO-Perimeter Defense (LT)	2	4	3.3/100
9C	Reconstitution of Ineffective Units (LT)	4	0	.1/0
13A	Combat Aviation (CPT)	3	1	16/0
13B	Combat Support Aviation (LT)	3	2	7/0
13B	Combat Support Aviation (CPT)	3	1	27/0
13C	Combat Service Support Aviation (LT)	3	2.5	9.5/0
13C	Combat Service Support Aviation (CPT)	2	2	49/0
15A	Mobility (LT)	4	0	.2/0
15B	Countermobility (LT)	4	0	.2/0
16F	Reconstitution (LT)	4	0	0/0.2
16F	Reconstitution (CPT)	4	0	1/0.2
18E	IPB (LT)	4	0	0/0.2
20B(1)	Ammo Spt Structure/Requisition (LT)	2	2	0
20C(2)	Command and Staff Management of PM (LT)	1	6	95/0
20F	POL (LT)	2	3	0
20F	POL (CPT)	2	3.5	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX J

Anomalies*

Academy Health Sciences		Suff	Hr(S)	Hr(P/I)
4F	Ops During Limited Visibility (CPT)	1	1	0
9B(2)	RACO-Perimeter Defense (CPT)	1	1	0
9B(5)	RACO-Physical Layout of the Rear Area (CPT)	1	1	0
9I	Psychological Operations (LT)	2	1	0
9J	Civil Affairs (LT)	2	1	0
10A	Desert (LT)	2	1	0
10A	Desert (CPT)	1	1	0
10B	Jungle (LT)	2	1	0
10B	Jungle (CPT)	1	1	0
10C	Mountain (LT)	2	1	0
10C	Mountain (CPT)	1	1	0
10D	Northern Regions (LT)	2	1	0
10D	Northern Regions (CPT)	1	1	0
11C	Organization, Cmd/Control (LT and CPT)	2	1	0 (Both)
11D	Priority of Spt on Ext Btlfld (LT)	2	1	0
11D	Priority of Spt on Ext Btlfld (CPT)	1	1	0
12G	Priority of Spt on Ext. Btlfld (LT and CPT)	2	1	0 (Both)
16E	NBC Defensive Use (CPT)	2	3	0
17C	SIGSEC (LT and CPT)	2	1	0 (Both)
20A(1)(A)	Air (LT)	2	2	0
20A(1)(A)	Air (CPT)	1	3	0
20A(1)(B)	Land (LT)	2	2	0
20A(1)(B)	Land (CPT)	1	3	0
20A(1)(C)	Sea (LT)	2	2	0
20A(1)(C)	Sea (CPT)	1	3	0
20A(2)	Convoy Ops (LT)	2	2	0
20A(2)	Convoy Ops (CPT)	1	3	0
20A(3)	Movement Control (LT)	2	2	0
20A(3)	Movement Control (CPT)	1	3	0
20B(2)	Ammo Safety, Stor, Transp (LT)	2	1	0
20B(2)	Ammo Safety, Stor, Transp (CPT)	1	2	0
20C(1)	Recovery/Evac (LT)	2	3	0
20C(1)	Recovery/Evac (CPT)	1	4	0
20C(2)	Cmd/Stf Mgmt of PM (LT)	1	3	0
20C(2)	Cmd/Stf Mgmt of PM (CPT)	1	4	0
20C(3)	PLL (LT)	1	3	0
20C(3)	PLL (CPT)	1	4	0
20C(4)	Prev. Maint Checks/Svcs (LT)	1	3	0
20C(4)	Prev. Maint Checks/Svcs (CPT)	1	4	0
20C(5)	The Army Maintenance Mgmt Sys (LT)	1	3	0
20D(1)	Accountability (CPT)	1	4	0
20D(2)	Estimates (LT)	1	3	0
20D(4)	Replacements (LT)	2	3	0
20D(5)(A)	First Aid (CPT)	1	3	0
20G	Subsistence (LT and CPT)	2	2	0 (Both)
20H	Field Services (LT and CPT)	2	2	0 (Both)
21H	Smoke Ops (CPT)	2	1	0
21K	How to Train (CPT)	1	2	0

*Alpha-numeric digit refers to original CASS subject paragraph.

ANNEX K

METHODOLOGY

ANNEX K

METHODOLOGY

1. Several assumptions were made in the analysis of the data:

a. The data provided from each school and proponent is the most current and accurate available.

b. TRADOC schools can be placed into one of four general functional categories as follows: Combat Arms Maneuver, Combat Arms Non-Maneuver, Combat Support, Combat Service Support.

c. Combined Arms subjects can be defined in battlefield functional terms which each branch officer, regardless of tactical level of involvement, needs to understand. The degree of individual subject coverage will vary by school, but some knowledge of Combined Arms application is vital to successful functioning on the AirLand Battlefield.

2. A system of averaging was applied to determine the relative importance of each subject and appropriate level of sufficiency for each functional arms group. Averages (means) used in data compilation have been rounded off to the nearest tenth of a point.

3. Within functional arms groups, certain schools having particular interest in specific subject areas (e.g., key users) rated those subjects significantly higher, in both sufficiency level and hours, than did the other schools. In such cases to avoid inflated averages from skewed data, the proponent's rating was substituted for that key user's data in computing the mean. For example, in the CSS group for Supply the key users with specialty interest were the Ordnance and Quartermaster School. Both rated this subject very high and called for large amounts of time to assure sufficiency. Factoring their ratings into the mean would have resulted in a disproportionate and inflated sufficiency level and hours required. To define a more useful mean, the proponent's recommendation of sufficiency level 3 and 25 hours was substituted for these school's data.

ANNEX L

PROPOSED OAC COMMON CORE

ANNEX L

PURPOSED OAC COMMON CORE

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
1. DOCTRINAL BASICS		
A. FUNDAMENTALS OF COMBAT (PRINCIPLES OF WAR) (RULES OF COMBAT)	2 (WORKING KNOWLEDGE)	CGSC
B. USA AIRLAND BATTLE OPERATIONAL DOCTRINE	2	CGSC
C. USA ORGANIZATION/CAPABILITIES (BN, BDE, DIV,)	2	CGSC
D. FORCE MODERNIZATION ISSUES	3 (FAMILIAR)	CGSC
(1) NEW EQUIPMENT		
(2) NEW ORGANIZATION		
2. COMMAND, CONTROL, AND COMMUNICATIONS (C3)		
A. STAFF PROCEDURES IN COMBAT	2	CGSC
B. DECISION MAKING	2	CGSC
C. COMMAND POST FUNCTION/ORGANIZATION	2	CGSC
D. PLANS, ORDERS, ESTIMATES, GRAPHICS, RECORDS AND REPORTS (TO INCLUDE THE FIVE PARAGRAPH FIELD ORDER AS SPECIFIED IN FM 100-5)	2	CGSC
E. COMMAND, CONTROL, AND COMMUNICATIONS (C3) TO INCLUDE COUNTERMEASURES AND CONTROL MEASURES	2	CGSC
F. AIRSPACE MANAGEMENT	3	CGSC
3. INTELLIGENCE AND ELECTRONIC WARFARE		
A. TACTICAL INTELLIGENCE, (INCLUDES IPB)	2	USAICS
B. ELECTRONIC WARFARE	2	USAICS

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
C. TACTICAL ALL-SOURCE INTELLIGENCE PRODUCTION		USAICS
(1) SIGINT	3	
(2) IMINT	3	
(3) HUMINT	3	
(4) CI	3	
4. AIR DEFENSE		AD
A. SHORAD	3	
B. MANPORTABLE AD SYSTEMS	3	
C. NON-DIVISIONAL AD SYSTEMS	3	
D. UNIT ACTIVE AD MEASURES	3	
E. UNIT PASSIVE AD MEASURES	3	
F. AD PRIORITY SUPPORT IN THE AIRLAND BATTLE	3	
G. AD LAND SPACE REQUIREMENTS IN MBA/CFA AND DURING OFFENSE	3	
5. CLOSE COMBAT		
A. TACTICAL BASICS		
(1) OPSEC	2	CGSC/USAICS/SC
(2) OPERATIONS DURING OBSCURED BATTLEFIELD CONDITIONS (TO INCLUDE NIGHT AND SMOKE OPERATIONS)	3	IN/AR/FA/CM
(3) PATROLLING	3	IN
(4) TERRAIN ANALYSIS/APPRECIATION	2	USAICS

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
B. THREAT		CACDA
(1) MISSIONS/ROLES OF THREAT ARMED FORCES	2	
(2) ORGANIZATION/EQUIPMENT	2	
(3) OFFENSIVE OPERATIONS	2	
(4) DEFENSIVE OPERATIONS	2	
(5) COMBAT SUPPORT	2	
(6) SPECIAL OPERATIONS	2	
C. OFFENSIVE TACTICS		
(1) DOCTRINE/FUNDAMENTALS	3	IN/AR
(A) ORGANIZATION/PREPARATION FOR COMBAT		
(B) AREA OF INFLUENCE		
(C) AREA OF INTEREST		
(2) MOVEMENT TO CONTACT	3	IN/AR
(3) HASTY ATTACK	3	IN/AR
(4) DELIBERATE ATTACK	3	IN/AR
(5) EXPLOITATION	3	IN/AR
(6) PURSUIT	3	IN/AR
(7) APPROACH OF ENCIRCLED FORCES	3	IN/AR
(8) RECONNAISSANCE IN FORCE	3	IN
(9) MOUT	3	IN
D. DEFENSIVE TACTICS		
(1) DOCTRINE/FUNDAMENTALS	3	IN/AR

SUBJECTS	LEVEL	OBJECTIVE SUFFICIENCY PROPONENT
(A) ORGANIZATION/PREPARATION FOR COMBAT		
(B) AREA OF INFLUENCE AND INTEREST		
(C) COVERING FORCE AREA		
(D) MAIN BATTLE AREA		
(E) REAR AREA		
(2) DEFENSE IN DEPTH	3	IN/AR
(3) EMPLOYMENT OF RESERVES	3	IN/AR
(4) DEFENSE FROM BATTLE POSITIONS	3	IN/AR
(5) BREAKOUT/LINKUP	3	IN/AR
(6) MOUT	3	IN
E. RECONNAISSANCE AND SECURITY MISSIONS		AR
(1) DOCTRINE/FUNDAMENTALS	3	
(2) RECONNAISSANCE	3	
(3) SECURITY	3	
(4) ECONOMY OF FORCE	3	
(5) CAVALRY	3	
6. FIRE SUPPORT		
A. INDIRECT FIRE SUPPORT		FA
(1) FA ORGANIZATION, COMMAND & CONTROL	3	
(2) FA PRIORITY SUPPORT	3	
(3) FA LAND SPACE REQUIREMENTS IN MBA/CFA AND DURING OFFENSE	3	

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
(4) TARGET VALUE ANALYSIS PROCEDURES	3	
B. CLOSE AIR SUPPORT (CAS & BAI)	3	CGSC
C. SEAD	3	CGSC
D. NUCLEAR AND CHEMICAL WEAPON EMPLOYMENT (NUCLEAR AND CHEMICAL ACTION PLAN)		FA/CM/CGSC
(1) DOCTRINE (AIRLAND)	3	CM
(2) US/NATO EMPLOYMENT POLICY AND US NATIONAL POLICY	3	CM
(3) SOVIET/WARSAW PACT NBC THREAT	3	CM
(4) NBC WEAPONS EFFECTS ON PERSONNEL, EQUIPMENT, AND MISSION	3	CM
(5) SUSTAINED OPERATIONS IN NBC ENVIRONMENT	3	CM
(6) FALLOUT PREDICTION AND RADIOLOGICAL MONITORING	3	CM
(7) NBC DETECTION, WARNING AND REPORTING	3	CM
(8) PSYCHOLOGICAL PREPARATION FOR NBC BATTLEFIELD STRESS	3	CM
(9) EMP	3	CM
(10) MOBILITY RESTRICTIONS IN NBC ENVIRONMENT	3	CM
(11) INTEGRATION/EXPLOITATION OF FRIENDLY NUCLEAR AND CHEMICAL FIRES	3	CM/FA
(12) NUCLEAR AND CHEMICAL WEAPONS EFFECTS AND VULNERABILITY ANALYSIS TECHNIQUES	3	FA

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
7. ENGINEER (COMBAT SUPPORT)		EN
A. MOBILITY	3	
B. COUNTERMOBILITY	3	
C. SURVIVABILITY	3	
D. MINE WARFARE	3	
E. AREA DAMAGE CONTROL	3	
8. ARMY AVIATION		AV
A. COMBAT AVIATION	3	
B. COMBAT SUPPORT AVIATION	3	
C. AIR CAVALRY	3	
9. MILITARY POLICE	3	MP
A. COMBAT ROLE		
B. MOVEMENT CONTROL		
C. SECURITY		
10. COMBAT SERVICE SUPPORT		
A. DIVISION SUPPORT COMMAND (DISCOM)	3	LOGCEN
B. CORPS SUPPORT COMMAND (COSCOM)	3	LOGCEN
C. COMBAT SERVICE SUPPORT OPERATIONS		
(1) ORGANIZATION	3	LOGCEN
(2) LOGISTICS OPERATIONS	3	QM/MM
(A) SUPPLY CLASSIFICATIONS		
(B) RESUPPLY/BASIC LOAD CONSIDERATIONS		

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
(3) TRANSPORTATION OPERATIONS	3	TC
(4) FIELD SERVICES OPERATIONS	3	QM
(5) MAINTENANCE OPERATIONS	3	OD
(6) PERSONNEL AND ADMINISTRATION OPERATIONS	3	SSC
(7) MEDICAL SERVICES	3	AHS
D. COMBAT SERVICE SUPPORT PLANNING/ DISCOM FORCE DEVELOPMENT		
(1) SUPPORTING THE AIRLAND BATTLE	3	LOGCEN
(A) ORGANIZATION FOR SUPPORT		
(B) OUT OF SECTOR SUPPORT		
(2) MISSION/ROLE OF FORWARD SUPPORT BATTALION (FSB) IN SUPPORT OF BRIGADE OPERATIONS	3	LOGCEN
11. SPECIAL/OTHER OPERATIONS		
A. LOW INTENSITY CONFLICT		
(1) COUNTERINSURGENCY OPERATIONS	3	IN
(2) COUNTERTERROR OPERATIONS	3	CGSC
(3) FOREIGN INTERNAL DEFENSE	3	IMA
(4) INTERNAL DEFENSE AND DEVELOPMENT	3	IMA
B. UNCONVENTIONAL WARFARE OPERATIONS	3	IMA
C. PSYCHOLOGICAL OPERATIONS	3	IMA
D. CIVIL AFFAIRS OPERATIONS	3	IMA

SUBJECTS	OBJECTIVE SUFFICIENCY LEVEL	PROPONENT
E. SPECIAL TERRAIN		
(1) DESERT	3	IN/AR
(2) JUNGLE	3	IN
(3) MOUNTAIN	3	IN
(4) COLD WEATHER	3	IN
(5) MOUT	3	CGSC
F. TACTICAL DECEPTION METHODS	3	CGSC
G. REAR AREA PROTECTION		CGSC/MP
(1) DOCTRINE/FUNDAMENTALS	3	
(2) REAR AREA COMBAT OPERATIONS FOR LEVEL I, II, III THREAT	3	
(3) MOVEMENT CONTROL	3	
(4) AREA DAMAGE CONTROL	3	
(5) FIRE SUPPORT	3	

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