

NAVAL HEALTH RESEARCH CENTER

A MODEL FOR PREDICTING MEDICAL SUPPLY REQUIREMENTS AT THE FORWARD AREAS OF CARE: BATTALION AID STATIONS

*M. R. Galarneau
P. J. Konoske
K. E. Emens-Hesslink
G. Pang
E. D. Gauker*

19971112 075

Report No. 97-28

Approved for public release: distribution unlimited.



NAVAL HEALTH RESEARCH CENTER
P. O. BOX 85122
SAN DIEGO, CALIFORNIA 92186 - 5122

NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND
BETHESDA, MARYLAND



**A Model for Predicting Medical Supply
Requirements at the Forward Areas of Care:
Battalion Aid Stations**

Michael R. Galarneau¹
Paula J. Konoske¹
Kristee E. Emens-Hesslink²
Gerald Pang¹
Eleanor D. Gauker¹

¹Naval Health Research Center
Medical Information Systems and Operation Research Department
P. O. Box 85122
San Diego, CA 92186-5122

²GEO-Centers, Inc.
Seven Wells Avenue
Newton Centre, MA 02159

Report No. 97-28, supported by the Naval Medical Research and Development Command, Bethesda, MD, Department of the Navy, under Work Unit No. 63706N-M0095-6510. The views expressed in this article are those of the authors and do not reflect the official policy or position of the Department of Defense or the U.S. Government. Approved for public release; distribution unlimited.

Table of Contents

List of Tables	iii
Summary	iv
Introduction.....	1
Method.....	2
NHRC Medical Supply Model.....	2
Data Collection.....	3
Projecting Medical Supply Requirements.....	4
Results and Discussion.....	6
BAS Equipment AMAL 635 Requirements.....	7
BAS Consumable AMAL 636 Requirements.....	9
Conclusions.....	11
References.....	12
Appendices	
A. DEPMEDS Patient Conditions.....	A-1
B. Equipment/Consumables for BAS Tasks.....	B-1
C. Proposed AMAL 635 - BAS Equipment.....	C-1
D. Proposed AMAL 636 - BAS Consumables.....	D-1

List of Tables

Table 1: Subject Matter Expert Command Representation.....	3
Table 2: Medical Tasks Required at Echelon Ia & Ib.....	6
Table 3: Treatment Protocol for PC 159 Brain & Chest Wound w/Sucking Chest & Pneumohemothorax.....	8
Table 4: Comparison Between Current and Proposed BAS Equipment AMAL 635.....	9
Table 5: Comparison Between Current and Proposed BAS Consumable AMAL 636.....	10

Summary

Problem

Downsizing, reductions in deployed force structure, and the increasing reliance on strategic lift have demanded that greater attention be paid to matching capabilities with requirements. The Medical Readiness Strategic Plan 2001 (MRSP-2001) outlines the necessity of tailoring medical capability to support evolving doctrinal guidance and challenges the medical community to develop and implement more flexible and mobile medical units. In response, the Marine Corps has been pursuing a plan of medical asset reorganization, including a review of the current Authorized Medical Allowance Lists (AMALs).

Objective

The primary objective of this project is to develop a model of the Echelon I and II medical supply stream that links specific clinical requirements to individual medical treatment items. This process produces an audit trail for each item in the Marine Corps supply system. The audit trail provides medical planners and logisticians with a management tool for maintaining and updating supplies linking the AMAL materiel with Marine Corps specific requirements. In the present paper, scenario-specific requirements also are used to determine the optimal medical configuration necessary to support a Battalion Aid Station (BAS).

Approach

Ninety-five medical Subject Matter Experts (SMEs) with operational experience assisted in the development of Marine Corps specific treatment profiles for 350 Patient Conditions (PCs). The PCs reflected the range of injuries, diseases and non-battle injuries known to occur in theater. From the treatment profiles, the specific medical tasks performed at the forward echelons of care for each PC were identified and assembled. Then, medical consumables and equipment were assigned by the SMEs to each task and its associated PC. Following the establishment of the clinical requirements for the supply items, a revised BAS equipment AMAL 635 was produced and compared to the current AMAL. To determine the amount and type of consumable supply requirements for the BAS AMAL 636, a patient generating model, PATGEN, was used to project the frequency of PCs likely to occur in theater. A computer program, developed by NHRC, then determined the number and types of tasks that would need to be conducted to effectively treat the projected casualty load. Finally, the type and quantity of medical materiel were derived. When the supply composition of the proposed consumable AMAL 636 had been determined and the quantity of each supply item, it was compared to the current Marine Corps BAS AMAL 636.

Results

When compared to the current BAS AMAL configurations, reductions in number of items, weight and cube were realized for both the equipment and consumable AMALs. The percent reductions are shown below.

Percent Reduction In Proposed AMALs When Compared to Current AMALs

	Equipment AMAL 635	Consumable AMAL 636
No. of Items	-26.5%	-30.5%
Weight (lbs.)	-33.0%	-28.8%
Cubic Volume (cu. ft.)	-55.2%	-30.4%

Conclusions

It was demonstrated that significant reductions in the logistical burden carried by Marine Corps forces can be achieved by modeling the clinically relevant elements of the theater of operations. Developing clinical profiles and assigning supplies to achieve a desired level of care as defined by mission, policy, and doctrine allows medical support to be more scenario-based and more capable of rapid and efficient delivery. As policy and doctrine continue to evolve, the model presented in this paper can be modified to project medical supply requirements for the continually changing scope of the forward medical mission.

A Model for Predicting Medical Supply Requirements at the Forward Areas of Care: Battalion Aid Stations

INTRODUCTION

Changes have occurred in Marine Corps amphibious doctrine to achieve the goal of more flexible and effective combat operations. The Marine Corps, as expressed in the doctrinal guidance Operational Maneuver from the Sea (OMFTS) (1), is evolving into a rapid reaction force with a sea-based operational station that will allow rapid progress from ship to objective with no large or lengthy buildup on shore. The concept of OMFTS generates overwhelming tempo and momentum necessary to execute a decisive effect against enemy objectives. Moving units rapidly and effectively requires streamlining operations to improve responsiveness.

Downsizing, reductions in deployed force structure and the increasing reliance on strategic lift have also demanded greater attention be paid to matching capabilities with requirements. Objectives identified in the Medical Readiness Strategic Plan 2001 (MRSP-2001) outline the necessity of tailoring medical capability to support evolving doctrinal guidance. To achieve these objectives, MRSP-2001 challenges the medical community to develop and implement more flexible and mobile medical units (2).

Responding to these and other changes in doctrine, policy and mission, the Marine Corps has been pursuing a plan of medical asset reorganization. Consistent with the mandate for compactness and simplicity of maneuver units, landing force medical battalions have been restructured to be smaller in organization and presumably more responsive to operational requirements (3). Traditional patient holding capacities have been substantially reduced and multi-disciplinary medical specialties have been eliminated in favor of general trauma practitioners.

The number of Authorized Medical Allowance Lists (AMALs) assigned to the restructured units have been concomitantly reduced to match the reconfigured table of organization. This reduction in the number of AMALs, however, is deceiving because while the actual number of AMAL blocks assigned to a unit have been reduced, the quantity of items within the blocks continued to grow. The contents of the AMALs are not designed to support a specific scenario and have grown in weight and volume by virtue of patient treatment protocols developed at shore-based facilities resulting in a peacetime level of care (3).

Matching the speed and mobility of assault forces requires the development of flexible and efficient AMAL configurations. Mission specific standards of care and clinical requirements for the items pushed forward must be established so that only those items

required to achieve the standards of care are stocked. In this way the medical support is scenario-based and capable of quick and efficient delivery.

Recent efforts at the Naval Health Research Center (NHRC) have yielded significant reductions in materiel requirements for some Surgical Company supply blocks by applying such an approach at an Echelon I and II level of care (4). By identifying the desired standard of care and by establishing the clinical requirements for items needed to attain that level of care, NHRC has reduced the logistical burden carried by the Medical Battalions without reducing the level or quality of care provided. These reductions in materiel were achieved solely by establishing the clinical requirement for each item and by including only those items with an identified requirement in the supply stream. As yet unanswered is the question of what impact adding the element of scenario-specific operational parameters would have on the supply projections. Because the application of scenario-specific characteristics more closely matches clinical requirements with operational requirements, it is anticipated that this approach could further reduce supply projections. In the present study, the element of scenario-specific requirements was added to determine the optimal medical configuration necessary to support a Battalion Aid Station.

METHOD

The NHRC model was designed to interface with the Echelons III and IV Deployable Medical Systems (DEPMEDS) model (5). The DEPMEDS model, which consists of databases arranged in a relational structure named the "Time, Task, Treater" files, was developed to standardize medical materiel and to assemble it into sets so that each of the services could configure medical facilities according to its own unique requirements, using a common supply stream. The data in the DEPMEDS model are based upon treatment protocols for 350 Patient Conditions (PCs), each representing a grouping of closely related diagnoses, which are considered representative of the injuries expected to occur in theater (6). To build upon this existing standard, the structural characteristics of the Echelon I and II NHRC databases are compatible with those of the DEPMEDS Time, Task, Treater files. Because both the DEPMEDS and NHRC models share a common structural design, the two models can eventually be combined to produce a seamless methodology for projecting medical materiel requirements from the first through the fourth echelon.

NHRC Medical Supply Model

The 350 DEPMEDS PCs form the core around which the NHRC Echelon I and II model was developed (see Appendix A for a complete list). The medical tasks required to treat these PCs at the three levels of care under investigation (Echelon Ia-Battlefield, Echelon Ib-Battalion Aid Station, and Echelon II-Surgical Company) were identified.¹ This process produced a preliminary step-by-step treatment protocol for each PC. These PC

¹ Preliminary identification of the required tasks was conducted with support from the Army's Medical Doctrine Development Center (AMEDD) Ft. Sam Houston, TX.

treatment protocols were then used to assign the consumable and equipment requirements necessary to administer each of the medical tasks.

Data Collection

The next phase in development of the model required Subject Matter Experts (SMEs) experienced in Marine Corps Echelon I and II medical care to (a) validate the treatment tasks and their assignments to the PCs, and (b) identify the appropriate consumable and equipment stream for each of the tasks. To achieve this objective, surveys were constructed for each of the PCs and mailed to SMEs with operational field medical experience.

Participants. Ninety-five medical professionals experienced in combat casualty care participated in the study. These SMEs were drawn from 18 Navy/Marine Corps commands shown in Table 1. The medical specialties within this group of SMEs consisted of 38 physicians/surgeons, two physician's assistants, one pharmacist, seven nurses, four laboratory/x-ray technicians and 19 Independent Duty Corpsmen medical course instructors. All but four SMEs had significant theater operational experience administering combat casualty care at the forward echelons.

Table 1
Subject Matter Expert Command Representation

1 st Medical Battalion Camp Pendleton, CA	1 st Medical Logistics Command Camp Pendleton, CA
2 nd Medical Battalion Camp Lejeune, NC	2 nd Medical Logistics Command Camp Lejeune, NC
4 th Medical Battalion San Diego, CA	Marine Corps Combat Development Command, Quantico, VA
1 st Force Service Support Group Camp Pendleton, CA	Marine Corps Systems Command Quantico, VA
2 nd Force Service Support Group Camp Lejeune, NC	Naval Hospital Camp Pendleton, CA
1 st Marine Expeditionary Force Camp Pendleton, CA	Naval Hospital Camp Lejeune, NC
Division Surgeon's Office Camp Pendleton, CA	Navy Medical Center Twentynine Palms, CA
Marine Force Pacific (MARFORPAC) Camp Smith, HI	Navy Medical Center San Diego, CA
Naval Medical Logistics Command Ft Detrick, VA	Naval School of Health Sciences San Diego, CA

Procedures. A total of 176 surveys, covering 176 of the PCs, were distributed to the SMEs. The 176 PCs were systematically selected from each of the 24 categories of injury type. Many of the PCs were similar clinically and did not vary in terms of the treatment that would be administered at Echelons I and II. For example, PC 001 presents a *cerebral contusion with/without a non-depressed linear skull fracture-severe*. PC 002 presents a *cerebral contusion with/without a non-depressed linear skull fracture-moderately severe*. The treatment tasks required to stabilize these two PCs at Echelon I and II do not differ significantly. Because of the high degree of similarity between many of the PCs, survey data could sometimes be applied to more than one PC. Consequently, only one of each group of clinically similar PCs was surveyed thereby permitting the data from the 176 surveyed PCs to be applied to the remaining unsurveyed (clinically similar) PCs.

The surveys served two primary objectives. The first was to have the SMEs examine the tasks associated with each of the PCs. If required, they were to adjust the task profiles for each of the PCs to more closely reflect Marine Corps level care rendered at the forward echelons. The second primary objective of the surveys was to have the SMEs identify the appropriate consumable and equipment supply stream required to administer the care for each of the treatment tasks at the forward echelons. A more detailed description of the surveys used to achieve these objectives can be found in Galarneau, Mahoney, Konoske, and Emens-Hesslink (1997) (4).

A total of 77 (44%) of the 176 surveys were returned. This rate of return was achieved by initiating phone contact with each of the SMEs prior to sending them a survey to enlist their support as well as after they received the survey to encourage timely completion. As surveys were returned, additional SME input continued to be obtained. Individual interviews and SME clinical panels were conducted to refine the data and fill in blanks left in the surveys.

Projecting Medical Supply Requirements

Medical supply estimates were projected for two AMAL blocks. These were the Battalion Aid Station (BAS) equipment AMAL 635 and the BAS consumable AMAL 636. Equipment items are those supplies necessary to establish a BAS and are generally reusable. Items in this category include medical instrumentation necessary to support a medical officer and support staff. A single equipment block is geared to support a BAS for an extended period of time. Consumable items, however, are generally single use items. As these items are utilized, additional AMAL 636 blocks must be ordered to replenish supplies. Each AMAL 636 block is designed to provide resuscitative and stabilizing care for 50 seriously wounded casualties. The AMAL blocks produced in the current study were configured to achieve similar objectives.

Projecting equipment requirements. Obtaining supply estimates for the AMAL 635 required that the clinical requirement for each item be established. This process was accomplished by linking each item considered for inclusion in the 635 to a known

medical task to be conducted at Echelon Ia or Ib. Once each item in the proposed 635 was identified, the amount of each item to be stocked was determined. This was accomplished by matching item quantity with the requirement that the 635 block support a single medical officer responsible for treating casualties in a four-patient shelter with overload capacity for mass casualty events.

Projecting consumable item requirements. As with the equipment AMAL 635, the consumable items were also selected for inclusion by first identifying their clinical requirement. Calculating the amount of each consumable item to stock, however, was accomplished differently than it was with the AMAL 635. Because consumable items are by definition patient driven, the amount of each required is highly dependent upon the characteristics of the patient stream. Therefore, advanced knowledge of casualty characteristics would allow for the configuration of a supply stream that is uniquely tailored to the number and type of casualties anticipated. In the present study, the types of PCs expected in theater were identified. The specific medical tasks associated with the care of each of these PCs at Echelon Ia and Ib were assigned as were the supplies needed to administer those tasks. Knowledge of the tasks and supplies required to treat each of the PCs provides sufficient data to project an ideal supply stream when the number of each PC anticipated is projected.

The Army's patient generating model, PATGEN (U.S. Army Medical Department and School) (7), was selected to obtain the projected number of PCs from which to estimate supply requirements. This model utilizes user-defined input such as geographical location, battle intensity, troop mix, and rate of build-up to project both the number of anticipated casualties and the distribution of PCs at each echelon of care from Ia through V. To project the appropriate supply mix for the maritime prepositioned force, two separate runs of the PATGEN model were performed. One run produced the PC distribution for Major Regional Contingency (MRC) East and the second for MRC West. Both runs projected the casualty PC profiles based upon a final build-up of 39,411 persons at risk during the first 60 days for a worst case scenario conflict.

Examination of the distribution of PCs from each of the MRCs showed differences in the PC profiles. The differences in the number of PCs expected to present at Echelons Ia and Ib were particularly acute in the categories of extremity wounds, superficial/soft tissue wounds, burns, environmental injuries (e.g., hypothermia, heat stroke) and infectious/parasitic conditions (e.g., malaria). To assure that the Maritime Preposition Force war reserve AMALs were adequately configured to support any anticipated contingency, modifications were made in the patient stream before it was loaded into the model. The objective of the modifications was to combine the anticipated casualty rates such that a single patient stream representative of both MRCs resulted. This was accomplished by examining each PC and selecting the rate from the MRC with the highest frequency of occurrence. While this process produced a single patient stream with the critical characteristics of both MRCs represented, the number of casualties loaded into the model was somewhat higher than would be expected to result from an individual MRC.

RESULTS AND DISCUSSION

The survey results and clinical panel discussions showed that the SMEs had identified and assigned 83 unique medical tasks to the 350 PCs. Each of these tasks, shown in Table 2, were further classified as either being conducted at Echelon Ia, Ib or both. This process resulted in the creation of a validated Echelon Ia and Ib treatment protocol for each of the 350 PCs.

Table 2
Medical Tasks Required at Echelon Ia & Ib

Ia	Ib	Task Number & Description	Ia	Ib	Task Number & Description
✓		A2 Remove Casualty From Danger	✓	✓	121 Eye Irrigation
✓	✓	A6 Apply Tourniquet	✓	✓	123 Eye Care (Dressings/Eye Patch)
✓	✓	A8 Clear Respiratory Airway Manual		✓	124 Ear Care Irrigation
✓	✓	001 Triage	✓	✓	125 Sponge/Hyperthermia Treatment
✓	✓	002 Assessment & Evaluation of Pt Status	✓	✓	126 Seizure Care/Precautions
	✓	005 Remove/Collect Belongings/Valuables/Equip	✓	✓	127 Patient Restraint (Gauze, Mitts, Ties)
✓	✓	006 Establish Adequate Airway		✓	128 Patient Restraint, (Combative Pt)
	✓	007 Emergency Cricothyroidotomy	✓	✓	142 Order/Document Appropriate Meds/Treatment
✓	✓	010 Neurological Assessment	✓	✓	145 Administer Appropriate Medication
✓	✓	011 Stabilize Neck/Spine (Collar/Spine Board)		✓	204 Provide Patient Safety Special Watch
	✓	017 Suction (Oral/Trach/Endo)		✓	221 Pericardiocentesis
✓		018 Recognize & Respond to Hemorrhage		✓	244 Hamacult Test Feces Emesis Gastric Suction
	✓	019 Emergency Control of Hemorrhage		✓	245 Urine Testing
	✓	022 O ₂ Administration Setup	✓	✓	248 Force Fluids
	✓	023 O ₂ Administration Continuous (Nasal/Mask)	✓	✓	278 Arrange for Patient Evacuation
✓	✓	024 Vital Signs	✓	✓	279 Arrange & Document Returns to Duty
	✓	044 Setup Drainage Bottles/Pleurevac		✓	359 Induce Local Anesthesia
	✓	046 Maintain Chest Tube Suction (Equip Tsk)		✓	453 Closed Reduction of Dislocation
✓	✓	049 Start/Change IV Infusion Site		✓	739 Reduce Fracture (Assist)
✓	✓	050 IV Infusion, Change Bottle (Maintain)		✓	740 Reduce Dislocation (Assist)
	✓	064 Venous Cutdown	✓	✓	744 Apply Velpeau Dressing
	✓	068 IV Infusion Terminate		✓	748 Assemble Material/Clean Up
✓	✓	070 Bowel Sounds Assessment		✓	802 Initial/Subseq Nonsurg Debride:Burn/Wound
	✓	071 Insert NG Tube		✓	999 Morgue Care
	✓	075 Irrigate NG Tube	✓	✓	A10 Position Postural Drainage/Coma Position
	✓	076 Gastric Lavage	✓	✓	A12 Occlude Sucking Chest Wound
	✓	079 Catheterization Foley	✓	✓	A30 Wet/Cold Injury Therapy
	✓	082 Measure/Record Intake/Output		✓	Z014 Intubation
	✓	084 Shave & Prep	✓	✓	Z027 Cardio Arrest Resuscitation
	✓	085 Wound Irrigation		✓	Z037 BVM Setup
✓	✓	086 Clean & Dress Wound		✓	Z038 Maintain on BVM
✓	✓	090 Compresses (Soaks)		✓	Z042 Insert Chest Tube
	✓	091 Apply Ice/Hot Packs		✓	Z045 Change Drainage Bottles (Gastric/Chest)
✓	✓	092 Apply Ace Bandage		✓	Z072 Insert Orogastric Tube
✓	✓	093 Extremity Elevation	✓	✓	Z083 Expose Patient for Exam
✓	✓	096 Apply Sling		✓	Z094 Extremity Traction, Application/Adjustment
✓	✓	098 Apply Splint, Immobilize Injury	✓	✓	Z277 Prepare for Evac Ground/Air

Ia	Ib	Task Number & Description	Ia	Ib	Task Number & Description
	✓	099 Closed Reduction (Finger, Thumb, Toe)	✓	✓	ZZ01 Induce Vomiting
	✓	100 Closed Reduction of Fractured Radius & Ulna		✓	ZZ02 Stain Eyes (Flourescein Stain/Woods Lamp)
✓	✓	103 Circulation Check		✓	ZZ03 Needle Thoracostomy
	✓	108 Minor Surg. Procedure(Debride/Suture/Incise)		✓	ZZ16 Repair Eye Glasses
	✓	110 Test Vision			

Table 3 shows an example of one of the protocols, in this case, the protocol for PC 159 - *Multiple injury wound brain and chest with sucking chest wound and pneumohemothorax.*

The SME survey results and clinical panel discussions further provided the specific medical equipment and consumable requirements for each of the tasks. Appendix B lists each task and the supplies required to administer the tasks at Echelon Ia and Ib. Where feasible, D-Day items, drawn from the approved DEPMEDS list of medical materiel were used. It can be seen from Appendix B that some of the tasks had supply requirements that did not vary from PC to PC. For example, Task 085, Wound Irrigation, requires the same basic supplies regardless of which PC is assigned the task. Other tasks, however, have supply requirements that vary considerably from PC to PC. For example, Task 145, Administer Appropriate Meds produces supply requirements very specific to the PCs associated with it. These tasks, with PC specific supply requirements are noted in Appendix B.

BAS Equipment AMAL 635 Requirements

The first AMAL configured using the model was the equipment AMAL 635. Assigning the medical supplies to each of the Echelon Ia and Ib tasks was the link that established the clinical requirement for each item included in the model. As indicated above, this provided the final step necessary to produce the proposed BAS equipment AMAL 635. Appendix C shows the proposed AMAL 635 listing NSN (National Stock Number), item nomenclature, quantity of item required, item weight and item cubic volume.

Table 3
Treatment Protocol for PC 159 Brain & Chest Wound w/Sucking Chest & Pneumohemothorax

Ech	Task No.	Task Description
Ia	A2	Remove Casualty from Danger
Ia	001	Triage
Ia	002	Assess and Evaluate Patient Status
Ia	A8	Clear Respiratory Airway
Ia	006	Establish Adequate Airway
Ia	A10	Occlude Sucking Chest Wound
Ia	Z083	Expose Patient for Exam

Table 3 (cont.)

Treatment Protocol for PC 159 Brain & Chest Wound w/Sucking Chest & Pneumothorax

Ech	Task No.	Task Description
Ia	011	Stabilize Neck (collar)
Ia	018	Recognize & Respond to Hemorrhage
Ia	086	Clean & and Dress Wound
Ia	024	Measure Vital Signs
Ia	049	Start IV Infusion Site
Ia	050	IV Infusion
Ia	010	Neurological Assessment
Ia	A10	Position for Postural Drainage and Place in Coma Position
Ia	142	Document Meds/Treatment
Ia	Z277	Prepare for Evac
Ib	001	Triage
Ib	002	Assess and Evaluate Patient Status
Ib	007	Emergency Cricothyroidotomy (10% of patients)
Ib	Z014	Intubate (80% of Patients)
Ib	Z042	Insert Chest Tube
Ib	Z083	Expose Patient for Exam
Ib	005	Remove and Collect Belongings
Ib	011	Stabilize Neck (collar/spineboard)
Ib	017	Suction (oral/trach/endo)
Ib	019	Emergency Control Hemorrhage
Ib	086	Clean & Dress Wound
Ib	022	O2 Setup and Administration
Ib	024	Measure Vital Signs
Ib	Z037	Bag Valve Mask Setup and Administration
Ib	044	Setup Drainage Bottles/Pleurevac
Ib	049	Start/Change IV Infusion Site
Ib	050	IV Infusion/Change Bottle
Ib	070	Bowel Sounds Assessment
Ib	010	Neurological Assessment
Ib	126	Seizure Care Precautions
Ib	145	Administer Appropriate Meds
Ib	142	Order/Document Appropriate Meds/Treatment
Ib	221	Pericardiocentesis (5% of patients)
Ib	244	Hemacult Test - Feces/Emesis/Gastric Suction
Ib	Z027	Cardio Arrest Resuscitation
Ib	748	Assemble Material/Clean up
Ib	999	Morgue Care (5% of patients)
Ib	Z277	Prepare for Evac

When the composition of the proposed AMAL 635 had been determined, it was compared to the current Marine Corps AMAL 635. It can be seen from Table 4 that the proposed equipment AMAL 635 contains 28 fewer items. This represents an item decrease of 26.5%. Reductions in the weight and cubic volume were also realized when compared with the current AMAL 635. Table 4 further shows that by establishing the clinical requirement for each item, weight could be reduced 33.0% and the cubic volume by 55.2%.

Table 4
Comparison Between Current and Proposed BAS Equipment AMAL 635

	No. of Items	Weight	Cubic Volume
Current 635	102	1164.1 lbs	123.3 cu.ft.
Proposed 635	75	779.5 lbs.	55.3 cu.ft.
% Reduction	26.5 %	33.0 %	55.2 %

While significant reductions were realized, no decreases in clinical capability have occurred because the only items removed were those that failed to yield a clinical requirement within the context of the Echelon I doctrinal mission. For example, nasal speculums, laparotomy trays and sterilization wrappers were deleted because no overriding clinical requirement for these items could be identified. Other materiel were removed because it had been associated with equipment long removed from the 635 such as leg straps for the Thomas Half Ring (modern extrication splints have replaced the Thomas splint).

Two new items not in the current 635 were added to upgrade clinical capability. They have been denoted in Appendix C with asterisks. The first of these is the Talon II collapsible litter. This litter is lighter, more compact, impervious to biologics and fits all current theater evacuation assets. The second is a new oxygen administration kit that replaces the current oxygen administration system and its four individual parts (base, yoke, single-port regulator and wrench). The new oxygen administration kit is portable, contains fewer individual components (no base, yoke or wrench required), includes unibody, dual-port regulators with suction capability and provides a demand valve mask in addition to the continuous flow capability.

BAS Consumable AMAL 636 Requirements

As with the equipment items, assigning the medical materiel to each of the tasks established the clinical requirement for each item of consumable materiel. This process provided the list of consumable AMAL 636 items which would be both stocked in the proposed AMAL 636 and loaded into the model to determine the quantity of each to stock.

Determining the quantity of each consumable to stock was conducted by using the combined MRC East and West casualty projections. The combined MRC projections provided the number of anticipated casualties for each PC. Using a computer program these casualty projections were used to determine the number of times each patient care task was expected to be conducted for each of the PCs. This function yielded the number and types of tasks that would need to be conducted to effectively treat the projected casualty load. From the task output, the type of the medical materiel and the quantity required was derived using the supply assignments developed by the SMEs. Each consumable item required was summed using its NSN unit of measure then assembled into its NSN unit of issue packaging. The number of units of issue for each item of consumable materiel was the final value selected for inclusion in the proposed AMAL 636. Appendix D shows the proposed consumable AMAL 636.

Once the supply composition of the proposed consumable AMAL 636 had been determined and the quantity of each item to stock identified, it was compared to the current Marine Corps AMAL 636. It can be seen from Table 5 that the proposed 636 contains 69 fewer items. This represents an item decrease of 30.5%. Reductions in the weight and cubic volume were also realized when compared against the current AMAL 636. Table 5 further shows that by establishing each item's clinical requirement and linking the requirement to the projected patient workload, weight could be reduced 28.8% and the cubic volume by 30.4%. Items not in the current 636 which were added to upgrade clinical capability are marked with an asterisk.

Table 5
Comparison Between Current and Proposed BAS Consumable AMAL 636

	No. of Items	Weight	Cubic Volume
Current 636	246	1154.61 lbs.	83.89 cu.ft.
Proposed 636	177	822.03 lbs	58.37 cu. Ft.
% Reduction	30.5 %	28.8 %	30.4%

While significant reductions in items, weight and volume were realized, the clinical capability of the consumable AMAL 636 was not decreased. Items deleted were limited to those which had no clinical requirement within the context of the Echelon I mission or which were redundant. For example, orthopedic bandages and casting plaster were deleted because no clinical requirement could be found to justify their inclusion at Echelon I. Redundancy within the block was also eliminated. For example, the two types of size 16 FR foley catheters were reduced to one. In other areas, clinical capability was increased by the addition of items not stocked in the current AMAL.

CONCLUSIONS

It was demonstrated that significant reductions in the logistical burden carried by Marine Corps forces can be achieved by modeling the clinically relevant elements of the theater of operations. Developing clinical profiles and assigning supplies to achieve a desired level of care as defined by mission, policy, and doctrine allows medical support to be more scenario-based and more capable of rapid and efficient delivery. As policy and doctrine continue to evolve, the model presented in this paper can be modified as needed to project medical supply requirements for the continually changing scope of the forward medical mission.

In achieving the results of the current study, the assignment of the required medical supplies to the tasks and the calculation of the amount needed to effectively administer care to the PCs was a critical part of predicting total supply requirements. Assigning too little materiel to the tasks or underestimating the number of patients requiring a certain quantity of supply would run the risk of projecting insufficient requirements. Throughout both the design and execution of this study this issue was continually addressed. To assure that adequate quantity of supplies would be projected, various assumptions were built into the model. For example, in the case of all but a handful of tasks, the model assumed that each medical task in the PC protocols would be conducted 100% of the time even though a task would likely only be conducted on a portion of patients presenting with that condition. In addition, as supplies were assigned to the tasks, issues such as breakage and waste were accounted for by increasing the supply assignments by a factor sufficient to cover such events.

The process of establishing the clinical requirement for each supply item produced an audit trail, which, for the first time, gives logisticians and medical planners an objective management tool for maintaining and upgrading AMAL medical materiel. The current management system relies upon periodic reviews to ensure that the materiel stocked in the AMALs will adequately meet medical requirements. This process benefits from the participation of experienced SMEs, however, the criteria for determining supply requirements depends upon a subjective interpretation of need. For example, in determining the supply requirements, SMEs are currently unable to rely upon an empirically established link between medical items and their field requirement. Instead, they develop materiel estimates upon what they perceive will be required by a certain number of generic patients. By providing an audit trail for each item, the supply requirements are clearly linked to the medical task requiring them. As the operational mission changes, along with changes in medical technology, items may be added or deleted from the AMALs with greater assurance that the weight and cube will not exceed requirements.

REFERENCES

1. Operational Maneuver from the Sea: A concept for Projection of Naval Power Ashore. Headquarters Marine Washington, D.C., 1996.
2. Medical Readiness Strategic Plan 1995-2001. Department of Defense, Washington, D.C., 1995.
3. Smith, A.M., Captain, MC, USNR. & Petersen, H.V., Captain, MSC, USN, (1997). *Matching Fleet Medical Readiness to the New Naval Strategy*, Naval War College Review, Vol, L, (1), pp 23-35.
4. Galarneau, M.R., Mahoney, K.J., Konoske, P.J. & Emens-Hesslink, K.E. (1997). *Development of a Model for Predicting Medical Supply Requirements at the Forward Echelons of Care: Preliminary Findings for Echelon II Laboratory and X-ray Ancillaries*, Naval Health Research Center, Report No. 97-3, San Diego, CA.
5. Defense Medical Standardization Board (1996). *DEPMEDS Policy Guidelines and Treatment Briefs (draft)*. MA: Fort Detrick.
6. Galarza, Jose G. MAJ (1987). *Using the Deployable Medical Systems Clinical Database for Materiel Requirements*. Presented at the Army Operations Research Symposium, Fort Lee, VA
7. Patient Workload Generator (PATGEN). US Army Medical Department and School, Directorate of Combat and Doctrine Development, Fort Sam Houston, TX.

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
001	Cerebral concussion closed with/without nondepressed linear skull fracture severe - loss of consciousness from 2 to 12 hours
002	Cerebral concussion closed with/without nondepressed linear skull fracture moderate - loss of consciousness less than 2 hours
003	Cerebral contusion closed with/without nondepressed linear skull fracture severe - loss of consciousness greater than 24 hours with focal neurological deficit
004	Cerebral contusion closed with/without nondepressed linear skull fracture moderate - loss of consciousness from 12-24 hours without focal neurological deficit
005	Cerebral contusion closed with intracranial hematoma with/without nondepressed linear skull fracture - severe - large hematoma (including epidural hematoma) with rapidly deteriorating comatose patient
006	Cerebral contusion closed with nondepressed linear skull fracture severe - loss of consciousness greater than 24 hours with/without focal neurological deficit
007	Cerebral contusion closed with depressed skull fracture severe - with associated intracerebral hematoma and/or massive depression
008	Cerebral contusion closed with depressed skull fracture moderate - no associated hematoma or significant effect from depression
009	Cerebral contusion with open skull fracture severe - with intracranial fragments and/or depressed skull fracture; eyelid and eyeball laceration with retained intraocular foreign body
010	Cerebral contusion with open skull fracture moderate - without intracranial fragments and/or depressed skull fracture
011	Intracranial hemorrhage spontaneous nontraumatic all cases
012	Not assigned
013	Wound scalp open without cerebral injury or skull fracture severe - scalped with avulsion of tissue
014	Wound scalp open without cerebral injury or skull fracture moderate - scalp laceration
015	Fracture facial bones closed exclusive of mandible severe - multiple fractures

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
016	Fracture facial bones closed exclusive of mandible moderate - single fracture
017	Wound face jaws and neck open lacerated with associated fractures excluding spinal fractures severe - with airway obstruction
018	Wound face jaws and neck open lacerated with associated fractures excluding spinal fractures moderate - without airway obstruction; eyelid and eyeball laceration with retained intraocular foreign body
019	Wound face and neck open lacerated contused without fractures severe - with airway obstructions and/or major vessel involvement
020	Wound face and neck open lacerated contused without fractures moderate - without airway obstruction or major vessel involvement
021	Eye wound severe - loss of intraocular fluid with/without retinal detachment, with severe lid laceration, eye not salvageable
022	Eye wound lacerated moderate - without retinal detachment or retinal injury no foreign body retained without loss of vitreous fluid patient has hyphema eye salvageable
023	Hearing impairment severe
024	Hearing impairment moderate
025	Fracture spine closed without cord damage unstable lesion
026	Fracture spine closed without cord damage stable lesion
027	Fracture spine closed with cord damage cervical spine with respiratory involvement
028	Fracture spine closed with cord damage below cervical spine (progressive)
029	Fracture spine open with cord damage cervical spine with respiratory involvement
030	Fracture spine open with cord damage below cervical spine (progressive)
031	Intervertebral disc disorders with nerve root compression resistant to bed rest/traction
032	Intervertebral disc disorders with nerve root compression responding to bed rest/traction
033	Strains and sprains sacroiliac region severe - nonambulatory

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
034	Strains and sprains sacroiliac region moderate - ambulatory
035	Burn thermal superficial head and neck greater than 5% but less than 10% of total body area and/or eye involvement
036	Burn thermal superficial head and neck less than 5% of total body area and no eye involvement
037	Burn thermal partial thickness head and neck greater than 5% but less than 10% of total body area and/or eye involvement
038	Burn thermal partial thickness head and neck less than 5% of total body area and no eye involvement
039	Burn thermal full thickness head and neck greater than 5% but less than 10% of total body area with eye involvement
040	Burn thermal full thickness head and neck less than 5% of total body area and no eye involvement
041	Fracture clavicle closed all cases
042	Wound shoulder girdle open with bone injury severe - joint involvement
043	Wound shoulder girdle open with bone injury moderate - no joint involvement
044	Fracture humerus closed upper shaft all cases
045	Wound upper arm open penetrating lacerated without fracture severe - with nerve and/or vascular injury
046	Wound upper arm open penetrating lacerated without fracture moderate - without nerve or vascular injury
047	Wound upper arm open with fractures and nerve and vascular injury arm nonsalvageable
048	Wound upper arm open with fractures and nerve injury no vascular injury arm salvageable
049	Fracture radius and ulna closed severe - shafts of bones
050	Fracture radius and ulna closed moderate - colles fracture
051	Wound forearm open lacerated penetrating without bone nerve or vascular injury with major loss of muscle tissue severe requiring major debridement
052	Wound forearm open lacerated penetrating without bone nerve or vascular injury moderate - not requiring major debridement
053	Wound forearm open lacerated penetrating with fracture and with nerve and vascular injury forearm not salvageable
054	Wound forearm open lacerated penetrating with fracture and with nerve and vascular injury forearm salvageable
055	Fracture hand or fingers closed severe - requiring closed reduction

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
056	Fracture hand and/or fingers closed moderate - not requiring closed reduction
057	Wound hand and/or fingers open lacerated without fractures severe - superficial and deep tendon involvement
058	Wound hand and/or fingers open lacerated without fractures moderate - no tendon involvement or limited to sublimis tendon involvement
059	Wound hand open lacerated contused crushed with fracture(s) all cases - involving fractures of carpals and/or metacarpals
060	Wound fingers open lacerated contused crushed with fracture(s) of phalangeals requiring rehabilitation
061	Crush injury upper extremity severe - limb not salvageable
062	Crush injury upper extremity moderate - limb salvageable
063	Not assigned
064	Dislocation shoulder closed all cases
65	Dislocation/fracture elbow closed acute all cases
066	Not assigned
067	Dislocation hand or wrist closed acute
068	Dislocation fingers closed acute
069	Amputation hand traumatic complete all cases
070	Amputation forearm traumatic complete all cases
071	Amputation full arm traumatic complete all cases
072	Sprain wrist closed acute all cases
073	Sprain thumb closed acute severe
074	Sprain fingers closed acute moderate - no thumb involvement
075	Burn thermal superficial upper extremities greater than 10% but less than 20% of total body area involved
076	Burn thermal superficial upper extremity less than 10% of total body area involved

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
077	Burn thermal partial thickness upper extremities greater than 10% but less than 20% of total body area involved
078	Burn thermal partial thickness upper extremity less than 10% of total body area involved
079	Burn thermal full thickness upper extremities greater than 10% but less than 20% of total body area involved
080	Burn thermal full thickness upper extremity less than 10% of total body area involved
081	Fracture ribs closed severe - multiple fractures
082	Fracture rib(s) closed moderate
083	Injury lung closed (blast crush) with pneumohemothorax severe - one lung with pulmonary contusion and acute severe respiratory distress
084	Injury lung closed (blast crush) with pneumohemothorax moderate - one lung with pulmonary contusion and respiratory distress
085	Wound thorax (anterior or posterior) open superficial lacerated contused abraded avulsed requiring major debridement
086	Wound thorax (anterior or posterior) open superficial lacerated contused abraded avulsed not requiring major debridement
087	Wound thorax (anterior or posterior) open penetrating with associated rib fractures and pneumohemothorax acute severe respiratory distress
088	Wound thorax (anterior or posterior) open penetrating with associated rib fractures and pneumohemothorax moderate respiratory distress
089	Not assigned
090	Burn thermal superficial trunk greater than 20% but less than 30% of total body area involved
091	Burn thermal superficial trunk greater than 10% but less than 20% of total body area involved
092	Burn thermal partial thickness trunk greater than 20% but less than 30% of total body area involved
093	Burn thermal partial thickness trunk greater than 10% but less than 20% of total body area involved
094	Burn thermal full thickness trunk greater than 20% but less than 30% of total body area involved
095	Burn thermal full thickness trunk greater than 10% but less than 20% of total body area involved

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
096	Wound abdominal wall (anterior or posterior) lacerated abraded contused avulsed without entering abdominal cavity severe - requiring major debridement
097	Wound abdominal wall (anterior or posterior) lacerated abraded contused avulsed without entering abdominal cavity not requiring major debridement
098	Wound liver closed acute (crush fracture) major liver damage
099	Wound liver closed acute (crush fracture) minor liver damage
100	Wound spleen closed acute (crush fracture) all cases
101	Wound abdominal cavity open with lacerating penetrating perforating wound to the large bowel
102	Wound abdominal cavity open with lacerating penetrating perforating wound to the small bowel without major or multiple resections
103	Wound abdominal cavity open with penetrating perforating wound of liver major damage
104	Wound abdominal cavity open with penetrating perforating abdominal wound with lacerated liver
105	Wound abdominal cavity open with penetrating perforating wound of spleen
106	Wound abdominal cavity open with lacerated penetrated perforated wound with shattered kidney
107	Wound abdominal cavity open with lacerated penetrating perforating wound with lacerated kidney initially repaired but subsequent nephrectomy
108	Wound penetration of pelvis with severe organ damage
109	Wound penetration of pelvis with moderate organ damage
110	Wound buttocks severe - open lacerated penetrating perforating and avulsed
111	Wound buttocks moderate - open lacerated contused and abraded
112	Displaced fracture of pelvis closed with associated soft tissue damage and pelvic organ damage
113	Nondisplaced fracture of pelvis closed with associated soft tissue damage
114	Wound abdomen open with pelvic fracture and penetrating perforating wounds to multiple pelvic structures (male or female)

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
115	Wound abdomen open with pelvic fracture and penetrating perforating wounds to pelvic colon only (male or female)
116	Wound external genitalia male severe - lacerated avulsed crushed
117	Wound external genitalia male moderate - abraded and contused
118	Wound external genitalia female severe - lacerated avulsed crushed
119	Wound external genitalia female moderate - abraded contused
120	Fracture closed femur shaft all cases
121	Wound thigh open without fracture nerve or vascular injury requiring major debridement
122	Wound thigh open without fracture nerve or vascular injury not requiring major debridement
123	Wound thigh open lacerated penetrating perforating with fracture and nerve/vascular injury limb not salvageable
124	Wound thigh open lacerated penetrating perforating with fracture and nerve and/or vascular injury limb salvageable
125	Wound knee open lacerated penetrating perforating with joint space penetration shattered knee
126	Wound knee open lacerated penetrating perforating with joint space penetration articular cartilage damage no bone injury
127	Fracture closed tibia and fibula shaft all cases
128	Wound lower leg open lacerated penetrating perforating without fractures requiring major debridement
129	Wound lower leg open lacerated penetrating perforating without fractures not requiring major debridement
130	Wound lower leg open lacerated penetrating perforating with fracture and nerve/vascular injury limb not salvageable
131	Wound lower leg open lacerated penetrating perforating with fracture and nerve and/or vascular injury limb salvageable
132	Fracture ankle/foot closed displaced requiring reduction
133	Fracture ankle/foot closed nondisplaced not requiring reduction
134	Wound ankle foot toes open lacerated contused without fractures but requiring major debridement
135	Wound ankle foot toes open lacerated contused without fractures not requiring major debridement
136	Wound ankle foot toes open penetrating perforating with fractures and nerve/vascular injury limb not salvageable
137	Wound ankle foot toes open penetrating perforating with fractures and nerve and/or vascular injury limb salvageable

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
138	Crush injury lower extremity limb not salvageable
139	Crush injury lower extremity limb salvageable
140	Dislocation hip closed acute all cases
141	Tear ligaments knee acute complete rupture
142	Tear ligaments knee acute incomplete rupture
143	Dislocation toes closed acute all cases
144	Amputation foot traumatic complete all cases
145	Amputation below knee traumatic complete all cases
146	Amputation traumatic complete requiring hip disarticulation
147	Amputation above knee traumatic complete
148	Sprain ankle closed acute with complete ligament rupture
149	Sprain ankle closed acute grade 2 incomplete ligament rupture
150	Burn thermal superficial lower extremities and genitalia greater than 30% but less than 40% of total body area involved
151	Burn thermal superficial lower extremity and genitalia greater than 15% but less than 30% of total body area involved
152	Burn thermal partial thickness lower extremities and genitalia greater than 30% but less than 40% of total body area involved
153	Burn thermal partial thickness lower extremity and genitalia greater than 15% but less than 30% of total body area involved
154	Burn thermal full thickness lower extremities and genitalia greater than 30% but less than 40% of total body area involved
155	Burn thermal full thickness lower extremity and genitalia greater than 15% but less than 30% of total body area involved
156	Blisters hand fingers foot toes due to friction acute moderate all cases
157	Insect bites and stings (unspecified body area) with systemic symptoms and/or respiratory difficulty
158	Bites and stings (unspecified body area) moderate localized symptoms
159	MIW brain and chest with sucking chest wound and pneumothorax
160	MIW brain and abdomen with penetrating perforating wound colon

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
161	MIW brain and abdomen with penetrating perforating wound kidney
162	MIW brain and abdomen with penetrating perforating wound bladder
163	MIW brain and abdomen with shock and penetrating perforating wound spleen
164	MIW brain and abdomen with shock and penetrating perforating wound liver
165	MIW brain and lower limbs requiring bilateral above knee amputations
166	MIW chest with pneumohemothorax and abdomen with penetrating wound colon
167	MIW chest with pneumohemothorax and abdomen with penetrating perforating wound kidney bladder
168	MIW chest with pneumohemothorax and abdomen with perforating wound bladder
169	MIW chest with pneumohemothorax and abdomen with penetrating perforating wound spleen
170	MIW chest with pneumohemothorax and abdomen with penetrating perforating wound liver
171	MIW chest with pneumohemothorax and limbs with fracture and vascular injury
172	MIW abdomen with penetrating perforating wound of colon and bladder
173	MIW abdomen with penetrating perforating wound of colon and spleen
174	MIW abdomen with penetrating perforating wound of colon and liver
175	MIW abdomen and limbs with penetrating perforating wound of colon and open fracture and neurovascular injury of salvageable lower limb
176	MIW abdomen and pelvis with penetrating perforating wound of liver and kidney
177	MIW abdomen and pelvis with penetrating perforating wounds of spleen and bladder
178	MIW abdomen pelvis limbs with fracture and neurovascular injury limb salvageable and penetrating wound kidney
179	MIW abdomen pelvis limbs without fracture or neurovascular injury and penetrating perforating wound bladder
180	MIW abdomen and lower limbs with fracture and nerve injury with penetrating wound of spleen with full thickness burns to greater than 20% of TBSA
181	MIW abdomen and limbs without fracture or nerve injury with penetrating wound of liver

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
182	MIW chest with pneumohemothorax soft tissue injury to upper limbs and penetrating wound of brain
183	MIW chest with pneumohemothorax soft tissue injury to upper limbs and abdomen with wound of colon
184	MIW chest with pneumohemothorax pelvis and abdomen with wound of colon and bladder
185	MIW abdomen and chest with multiple organ damage
186	Multiple nonperforating fragment wounds of skin and soft tissue
187	Trench foot immersion foot severe - vesicle formation
188	Trench foot immersion foot moderate - no vesicle formation
189	Not assigned
190	Frostbite full skin thickness or deeper involvement
191	Frostbite less than full skin thickness
192	Hypothermia all cases
193	Heat stroke
194	Heat exhaustion
195	Heat cramps all cases
196	Appendicitis acute with perforation rupture peritonitis
197	Appendicitis acute without perforation rupture peritonitis
198	Inguinal hernia complicated direct or indirect sliding incarceration of bowel
199	Inguinal hernia uncomplicated direct or indirect no sliding no incarceration of bowel or bladder
200	Internal derangement of knee chronic with torn meniscus and/or ligament laxity
201	Strain lumbosacral sacroiliac joint chronic all cases
202	Eczema dermatitis seborrheic contact others affecting weight bearing or pressure areas
203	Eczema dermatitis seborrheic contact others not affecting weight bearing areas
204	Boils furuncles pyoderma requiring surgery

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
205	Boils furuncles pyoderma all other cases
206	Cellulitis involving face or weight bearing areas
207	Cellulitis other than face or weight bearing areas
208	Dermatophytosis severe - affecting feet
209	Dermatophytosis all other cases
210	Pediculosis all cases
211	Scabies all cases
212	Pilonidal cyst/abscess requiring major excision
213	Pilonidal cyst/abscess requiring minor incision
214	Ingrown toenails bilateral with secondary infections unresolvable at Echelon 2
215	Ingrown toenails without secondary infection
216	Herpes simplex and zoster without encephalitis all types all cases
217	Not assigned
218	Not assigned
219	Hyperhidrosis all cases
220	Blepharitis all cases
221	Conjunctivitis severe all cases
222	Conjunctivitis moderate all cases
223	Corneal ulcer
224	Corneal abrasion
225	Iridocyclitis acute marked visual impairment
226	Iridocyclitis acute minimal visual impairment
227	Refraction and accommodation disorders refraction required

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
228	Refraction and accommodation disorders replacement of spectacles required
229	Otitis externa all cases
230	Otitis media acute suppurative all cases
231	Not assigned
232	Allergic rhinitis all cases
233	Upper respiratory infections acute including tonsillitis all cases
234	Bronchitis acute all cases
235	Asthma with disabling symptoms or repeated attacks
236	Asthma other cases
237	Not assigned
238	Not assigned
239	Acute respiratory disease severe
240	Acute respiratory disease moderate
241	Not assigned
242	Not assigned
243	Food poisoning all organisms disabling symptoms
244	Food poisoning all organisms moderate symptoms
245	Diarrheal disease severe
246	Diarrheal disease moderate
247	Upper gastrointestinal hemorrhage gastritis or ulcer
248	Dyspepsia acute all cases
249	Peptic ulcer gastric or duodenal penetrating and/or perforating
250	Peptic ulcer gastric or duodenal uncomplicated

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
251	Regional ileitis disabling symptoms unresponsive to treatment
252	Regional ileitis responds to treatment
253	Helminthiasis all cases
254	Not assigned
255	Migraine all cases
256	Hemorrhoidal disease all cases
257	Not assigned
258	Severe hypertension
259	Ischemic heart disease
260	Phlebitis deep vein involvement
261	Not assigned
262	Tenosynovitis elbow wrist shoulders etc.
263	Meningo-encephalitis uncomplicated
264	Meningo-encephalitis complicated
265	Near drowning without cervical spine injury or hypothermia all cases
266	Toxic inhalation including burn-related respiratory injuries severe all cases
267	Not assigned
268	White phosphorus burns resultant partial thickness burns < 40% TBSA all cases
269	Sexually transmitted diseases (STD) urethritis
270	Sexually transmitted diseases (STD) genital ulcers and/or adenopathy
271	Sexually transmitted diseases (STD) complicated
272	Glomerulonephritis acute
273	Glomerulonephritis chronic

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
274	Pyelonephritis acute secondary to obstruction
275	Pyelonephritis acute no obstruction
276	Nephrotic syndrome all cases
277	Ureteral calculus causing obstruction impacted
278	Ureteral calculus not causing obstruction
279	Epididymitis cystitis prostatitis acute all cases
280	Balanoposthitis all cases
281	Not assigned
282	Infectious mononucleosis all cases
283	Hepatitis infectious viral all cases
284	Not assigned
285	Cholecystitis acute with stones all cases
286	Pancreatitis acute all cases
287	Cirrhosis all cases
288	Not assigned
289	Neoplasms malignant
290	Neoplasms benign
291	Abnormal uterine bleeding (Not included in calculation of BAS wartime supplies)
292	Dysmenorrhea amenorrhea (Not included in calculation of BAS wartime supplies)
2293	Pelvic inflammatory disease (PID) all cases (Not included in calculation of BAS wartime supplies)
294	Cervicitis endocervicitis with symptomatic leukorrhea (Not included in calculation of BAS wartime supplies)
295	Vulvovaginitis (Not included in calculation of BAS wartime supplies)
296	Not assigned

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
297	Tubal pregnancy all cases (Not included in calculation of BAS wartime supplies)
298	Not assigned
299	Abortion spontaneous with hemorrhage (Not included in calculation of BAS wartime supplies)
300	Not assigned
301	Psychosis
302	Conduct disorders
303	Non-psychotic mental disorders
304	Stress reaction severe unstable slow improvement
305	Stress reaction severe stable slow improvement
306	Alcohol dependency syndrome moderate
307	Alcohol misuse simple intoxication
308	Drug dependency (other than alcohol) severe
309	Drug misuse (other than alcohol) mild or moderate
310	Stress reaction mild/moderate
311	Eye wound lacerated penetrated with retinal injury eye salvageable
312	Wound knee open lacerated penetrating perforating with joint space penetration no bone or articular cartilage
313	Wound abdominal cavity open with lacerated penetrating perforating wound kidney moderate - kidney salvageable
314	Stress reaction severe unstable delayed improvement
315	Stress reaction severe unstable persisting
316	Alcohol dependency severe - impending or actual DTs
317	Drug misuse (other than alcohol) severe - atypical no dependency
318	Stress reaction severe - rapid improvement
319	Wound fingers open lacerated contused crushed with fracture(s) of phalangeals not requiring rehabilitation

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
320	Dislocation/subluxation temporomandibular joint without fracture chronic requiring correction
321	Dislocation/subluxation temporomandibular joint without fracture acute initial injury
322	Fracture mandible with/without oral laceration without airway involvement unstable severe requiring open reduction
323	Fracture mandible with/without oral laceration without airway involvement mild displacement stable
324	Stress reaction severe stable - delayed improvement
325	Stress reaction severe stable persisting
326	Not assigned
327	Not assigned
328	Animal bites and rabies exposure
329	Trachoma all cases
330	Schistosomiasis all cases
331	Malaria severe - all species
332	Malaria moderate - all species
333	Febrile illness acute severe - except malaria and pneumonia
334	Febrile illness acute moderate
335	Snake bite
336	Not assigned
337	Not assigned
338	Not assigned
339	Cutaneous ulcers including leishmaniasis
340	Not assigned
341	Not assigned
342	Not assigned

Appendix A - DEPMEDS Patient Condition List

PC#	PC DESCRIPTION
343	Not assigned
344	Not assigned
345	Not assigned
346	Eye wound directed energy induced (laser) severe of macula and/or optic nerve with vitreous blood severe visual loss one or both eyes
347	Eye wound directed energy induced (laser/rfr) moderate to severe posterior nonmacular nonoptic nerve visual loss secondary to vitreous blood
348	Eye wound directed energy induced (laser) moderate nonmacular nonoptic nerve no vitreous blood
349	Eye wound directed energy induced (laser/rfr) mild to moderate anterior pain with photophobia and disruption of corneal integrity
350	Eye wound directed energy induced (laser) mild flash blindness no permanent damage

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: A2 Remove Casualty From Danger

EQUIPMENT

Nomenclature

Amount

NO SUPPLIES NEEDED

CONSUMABLES

Nomenclature

Amount

Um

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: A6 Apply Tourniquet

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Tourniquet Nonpneumatic Camouflaged

1

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: A8 Clear Respiratory Airway

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

NO SUPPLIES NEEDED

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 001 Triage¹

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount ²	Um
Blanket Bed Wool Olive Green	1	Blanket Casualty Plas Alum Coated	1	EA
Litter Rigid Folding Talon II	1	Tag ID Personnel Cardboard Field Triage	1-2	EA
Litter Nonrigid Poleless Nylon Retaining Straps	1			
Strap Webbing Litter Securing Rigid Pole Litter	2			
Support Litter Folding Ltwt	1			

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 002 Assessment & Evaluation of Patient Status¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
Otoscope & Ophthalmoscope Set	1	Cup Specimen Plas Disp 2.5" Dia 4.5OZ	1	EA
		Depressor Tongue 6x.75x.062" Straight	2	EA
		Flashlight Diagnostic Str Shape Pt Exam	1	EA
		Glove Patient Exam/Treat Lrg Prepwr	2	EA
		Glove Patient Exam/Treat Med Prepwr	2	EA
		Test Strips & Color Chart	1	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 005 Remove/Collect Belongings, Valuables & Equipment

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
NO SUPPLIES NEEDED			Um

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 006 Establish Adequate Airway¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
		Airway Nasopharyngeal Robertazzi 30FR	1	EA
		Airway Pharyngeal 4" Airway/Cut Away	1	EA
		Airway Pharyngeal Berman Lrg Adult	1	EA
		Airway Pharyngeal Guedel Sm 80mm	1	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 007 Emergency Cricothyroidotomy

EQUIPMENT

Nomenclature

CONSUMABLES

Nomenclature	Amount	Nomenclature	Amount	Um
		Adhesive Tape Surgical Porous Woven 1"	.5	RL
		Airway Kit Percutaneous Emergency	1	EA
		Glove Patient Exam/Treat Lrg Prepwr	2	EA
		Glove Patient Exam/Treat Med Prepwr	2	EA
		Pad Isopropyl Alcohol Impreg Nonwvn	2	EA
		Sponge Surg Cellulose/Cotton/Gauze 4x4"	10	EA
		Tube Inhaler Force-Fit 72"	1	EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 010 Neurological Assessment

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	Unit
Hammer Reflex Testing Taylor	1	Flashlight Diagnostic Str Shape Pt Exam	1	EA

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 011 Stabilize Neck (Collar/Spine Board)¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
		Board Spinal Folding Heavy Gauge Alum	1	EA
		Support Cervical Large w/Trach Hole	1	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 017 Suction (Oral/Trach/Endo)

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
Suction Apparatus Surg Prtble/St	1	Tube Suct Surg 144" Plas Transparent	1
Cannula Laryngeal Angular Yankauer 9"	1	Bag Suction Apparatus Surgical	1
			EA
			EA
			Um

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 018 Recognize & Respond to Hemorrhage¹

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount²

Um

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Bandage Muslin Compressed Brn	1-2	EA
Bandage Elastic Flesh Rolled 2"x4.5YD	1	RL
Bandage Elastic Flesh Rolled 4"x4.5YD	1-2	RL
Bandage Kerlix 2.25"x4 YD Flesh	1-5	RL
Dressing Burn 4x16" w/Water Gel	1-3	EA
Dressing Chest Wound Seal	1	EA
Dressing First Aid Field Cam 7.75-8.25"	1-5	EA
Dressing First Aid Field Cam 11.5-12"	1-2	EA
Dressing First Aid Field White 4"	1	EA
Sponge Surg Cellulose/Cotton/Gauze 4x4"	2-8	EA
Tourniquet Nonpneumatic Camouflaged	1-2	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 019 Emergency Control of Hemorrhage¹

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount ²	Um
		CONSUMABLES		
		Adhesive Tape Surgical Porous Woven 1"	.5	RL
		Bandage Muslin Compressed Brn	1-2	EA
		Bandage Elastic Flesh Rolled 2"x4.5YD	1	RL
		Bandage Elastic Flesh Rolled 4"x4.5YD	1-4	RL
		Bandage Gauze Tubular .875"x50YD	1	YD
		Bandage Kerlix 2.25"x4YD Flesh	1-5	RL
		Dressing Chest Wound Seal	1	EA
		Dressing First Aid Field Cam 7.75-8.25"	1-5	EA
		Dressing First Aid Field Cam 11.5-12"	1-2	EA
		Dressing First Aid Field White 4"	1-5	EA
		Pad Post Surgical Obstetrical Super Size	1	EA
		Sponge Surg Cellulose/Cotton/Gauze 4x4"	1-10	EA
		Tourniquet Nonpneumatic Camouflaged	1-4	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 022 O₂ Administration Setup

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Oxygen Admin Kit w/Case 2-Port Unibody Reg	1	Oxygen USP 99% Cylinder Type D	1	EA
		Mask Oronasal Semi-Rigid Translucent	1	EA
		Tube Inhaler Force-Fit 72"	1	EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 023 O₂ Administration Continuous (Nasal/Mask)

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount

Um

NO SUPPLIES NEEDED (See Task 022)

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 024 Vital Signs¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
Sphygmomanometer Aneroid 300mm Max	1	Cover Electronic Thermometer Probe	1	EA
Stethoscope Adl Sz 24" Lg Two Position Valve	1	Thermometer Clin Human Oral Digital	1	
Thermometer Clin Human Rectal F Scale	1			
Thermometer Clin Human Subnormal Low	1			

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 044 Setup Drainage Bottles/Pleurevac

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
Drainage Unit Pleural Cavity Plas Water-Seal	1		Um

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 046 Maintain Chest Tube Suction

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount

NO SUPPLIES NEEDED (See Task Z042)

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 049 Start/Change IV Infusion Site¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Urn
Infusor Pressure Blood Collecting-Dispensing	1	Adhesive Tape Surgical Porous Woven 1"	.5	RL
Rod Intravenous-Irrigation Container Alum	1	Catheter & Ndl Unit IV 18GA 1.25"	1-2	EA
		Catheter & Ndl Unit IV 14GA Bev Tip	1-2	EA
		Catheter & Ndl Unit IV 20GA 1.25"	1	EA
		Intravenous Exchange Set 8.5FR	1-2	EA
		Intravenous Injection Set 12 Components	1-2	EA
		Pad Isopropyl Alcohol Impreg Nonwvn	1-2	EA
		Splint Wood Basswood Overall	1-2	EA

¹ The supplies used for this task varies on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 050 IV Infusion, Change Bottle (Maintain)¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
		Ringer's Injection Lactated USP 1000ML	1-4	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 064 Venous Cutdown

EQUIPMENT

Nomenclature	Amount	CONSUMABLES Nomenclature	Amount	Um
Forceps Hemo Halsted Slightly Curved Serr	3	Adhesive Tape Surgical Porous Woven 1"	.5	RL
Forceps Hemo Halsted Straight Jaw Box Lock	2	Blade Surg Knife Det No. 10 Sm Tang	1	EA
Forceps Tissue Tweezer Straight & Smooth Jaw	1	Blade Surg Knife Det No. 11 Sm Tang	1	EA
Forceps Tissue Adson Tweezer Straight & Smooth	1	Pad Isopropyl Alcohol Impreg Nonwvn	2	EA
Handle Surgical Knife Detach Blade Sz 3	1	Splint Wire Malleable Alum Diamond Cross	1	EA
Holder Suture Needle Brown Serrated Jaw	1	Splint Wood Basswood Overall	1	EA
Hook Iris Tyrell CRS Blunt Tip	2	Suture Nonabs Sz 0 2.25' Ndl FSL Silk	1	EA
Retractor Mastoid Weitlaner Hook Unit Type	2	Tube Drainage Surg Penrose Amber	1	EA
Retractor Tracheal Hupp CRS Sharp Blade	2			
Scissors Gen Surg One Blunt & One Sharp Blade	1			
Scissors Tenotomy Stevens Crvd Blade Blunt Pts	1			
Tray Instrument CRS 10.5x8x2"	1			

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 068 IV Infusion Terminate

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Sponge Surg Gauze Compressed 2x2" 4 EA
Adhesive Tape Surgical Porous Woven 1" .5 RL

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 070 Bowel Sounds Assess

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
Stethoscope Adl Sz 24" Lg Two Position Valve	1		Urn

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 071 Insert NG Tube

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Adhesive Tape Surgical Porous Woven 1" .5

RL

Lubricant Surgical 4OZ 1

TU

Tube Stomach Surg Salem E19 1

EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 075 Irrigate NG Tube

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount Um
Basin Emesis Corrosion Resisting Steel	1	Sodium Chloride Inj USP 1000ML Bag	100 ML
		Syringe Irrigating 70ML Luer Plas Disp	1 EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 076 Gastric Lavage

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Lubricant Surgical 4OZ	.5	TU
Sodium Chloride Inj USP 1000ML Bag	1000	ML
Tube Stomach Surg Salem E19	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 079 Catheterization Foley

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Catheterization Kit Urethral

1

EA

Lidocaine Hydrochloride Jelly USP

1

TU

Tube Connecting Urinary Drainage

1

EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 082 Measure/Record Intake/Output

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	Um
		Form Printed	1	EA
		Pen Ball-Point Pocket Med Retract Black	1	EA

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 084 Shave & Prep

EQUIPMENT

Nomenclature

CONSUMABLES

Nomenclature	Amount	Urn
Applicator Plastic/Wood Rod 6" Sterile	2	EA
Lubricant Surgical 4OZ	1	TU
Povidone-Iodine Cleansing Sol USP 7.5%	10	ML
Povidone-Iodine Topical Sol USP 10%	4	ML
Razor Surg Prep Plas Stationary Dsgn	1	EA
Sponge Surg Cellulose/Cotton/Gauze 4x4"	6	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 085 Wound Irrigation

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Glove Patient Exam/Treat Lrg Prepwr	2	EA
Glove Patient Exam/Treat Med Prepwr	2	EA
Povidone-Iodine Cleansing Sol USP 7.5%	25	ML
Sodium Chloride Inj USP 1000 ML Bag	500	ML
Syringe Irrigating 70ML Luer Plas Disp	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 086 Clean & Dress Wound¹

EQUIPMENT

Nomenclature

CONSUMABLES

Nomenclature	Amount	Nomenclature	Amount ²	Um
		Adhesive Tape Surgical 12"x5YD	.5	RL
		Bandage Adhesive .75x3" Flesh	1-4	EA
		Bandage Kerlix 2.25"x4YD Flesh	1-4	RL
		Blanket Burn 6x5' 100% Woven Wool	1	EA
		Dressing Burn 4x16" w/Water Gel	2-4	EA
		Dressing Chest Wound Seal	1	EA
		Dressing First Aid Field White 4"	1-8	EA
		Gauze Absorbent Iodoform Impreg	1	RL
		Sodium Chloride Inj 1000ML Bag	250	ML
		Sponge Surg Cellulose/Cotton/Gauze 4x4"	2-4	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 090 Compresses (Soaks)

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Towel Pack Surg Blue/Gry or Grn 3

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 091 Apply Ice/Hot Packs

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	U/m
Pad Heating Chemical Plas Chem Reaction 110F	1	Pad Cooling Chemical Plas Flex Pck	2	EA

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 092 Apply Ace Bandage¹

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount ²	Um
		Bandage Elastic Flesh Rolled 2"x4.5YD	1-2	RL
		Bandage Elastic Flesh Rolled 4"x4.5YD	1-2	RL
		Bandage Elastic Flesh Rolled 6"x4.5YD	1	RL

¹ The supplies used for this task varies on the Patient Condition.
² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 093 Extremity Elevation

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

NO SUPPLIES NEEDED

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 096 Apply Sling

EQUIPMENT

Nomenclature

CONSUMABLES

Amount	Nomenclature	Amount	Um
	Bandage Muslin Compressed Brn	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 098 Apply Splint, Immobilize Injury¹

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount ²	Um
Brace Ankle Male/Female 9" Univ Size	1	Adhesive Tape Surgical Porous Woven 1"	.5	RL
		Adhesive Tape Surgical Porous Woven 3"	.5	RL
		Bandage Elastic Flesh Rolled 2"x4.5YD	1-2	RL
		Bandage Elastic Flesh Rolled 4"x4.5YD	1-2	RL
		Bandage Elastic Flesh Rolled 6"x4.5YD	1	RL
		Bandage Kerlix 2.25"x4YD Flesh	1-2	RL
		Board Spinal Folding Heavy Gauge Alum	1	EA
		Splint Arm Adult Dbl-Wall Pneumatic	1	EA
		Splint Finger Phalange Either Hand	1	EA
		Splint Leg Adult Dbl-Wall Pneumatic	1	EA
		Splint Wire Malleable Alum Diamond Cross	1	EA

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 099 Closed Reduction (Finger, Thumb, Toe)

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Bandage Elastic Flesh Rolled 2"x4.5YD	1	RL
Splint Finger Phalange 18x.75"	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 100 Closed Reduction of Fractured Radius & Ulna

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
		Bandage Elastic Flesh Rolled 4"x4.5YD	1	RL
		Diazepam Injector USP 5MG/ML 2ML	2	EA
		Splint Wire Malleable Alum Diamond Cross I		EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 103 Circulation Check

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

Stethoscope Adl Sz 24" Lg Two Position Valve 1

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 108 Minor Surgical Procedure

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	Um
Basin Wash Corrosion Resisting Steel 7 QT	1	Adhesive Tape Surgical Porous Woven 1"	.5	RL
Basin Wash Corrosion Resisting Steel 9 QT	1	Applicator Plastic/Wood Rod 6" Sterile	2	EA
Bowl Surgical Sponge CRS	1	Bacitracin Ointment USP 7100 Units	1	TU
Forceps Dressing 5.5" Str & Serrated Jaw CRS	2	Bandage Elastic Flesh Rolled 2"x4.5YD	1	RL
Forceps Gauze Pad Holding Foerster Box Lock	2	Bandage Elastic Flesh Rolled 4"x4.5YD	1	RL
Forceps Hemo Halsted Slightly Curved Serr	4	Bandage Kerlix 2.25"x4YD Flesh	1	RL
Forceps Hemo Halsted Straight Jaw Box Lock	2	Blade Surg Knife Det No. 10 Sm Tang	1	EA
Forceps Hemo Kelly Slightly Curved Jaw	8	Blade Surg Knife Det No. 11 Sm Tang	1	EA
Forceps Hemo Kelly Straight Jaw Box Lock	4	Brush Surgical Scrub Black	1	EA
Forceps Hemo Rochester-Ochsner Straight Jaw	6	Forceps Suture Clip Removing 4MM Disp	1	EA
Forceps Tissue Adson Tweezer Straight & Smooth	2	Gauze Absorbent Iodoform Impreg	1	RL
Forceps Tissue Allis Pivoted Str & Smooth Jaw	4	Glove Patient Exam/Treat Lrg Prepwr	2	EA
Forceps Towel Backhaus Opposed Prong	6	Glove Patient Exam/Treat Med Prepwr	2	EA
Handle Surgical Knife Detach Blade Sz 3	2	Lidocaine Hydrochloride Inj USP	10	ML
Holder Suture Needle Collier Str Jaw Box Lock	1	Lidocaine Hcl & Epinephrine Inj USP 1%	5	ML
Holder Suture Needle Hegar-Mayo Serrated	1	Needle Hypo C13A GP 25GA Luer Lock	1	EA
Holder Suture Needle Webster Str Jaw Lock	1	Povidone-Iodine Cleansing Sol USP 7.5%	25	ML
Probe Bullet Fluhner Copper Tapered	1	Povidone-Iodine Topical Sol USP 10%	4	ML
Rack Suture Needle C/O Base Tract & Coil Spring	1	Skin Cleanser 60% Ethyl Alcohol	2	OZ
Retractor Mastoid Weitlaner Hook Unit Type	2	Skin Closure Adhesive Surgical Porous	4	EA
Retractor Set General Operating Double End	1	Sponge Surg Cellulose/Cotton/Gauze 4x4"	10	EA
Retractor Vein Cushing 8.5" CRS	2	Stapler Skin Surgical 35 SZ 6.9x3.9MM	1	EA
Scissors Gen Surg One Blunt & One Sharp Blade	1	Suture Abs Surg Gen Closure Sz 3-0 2.25'	1	EA

Task: 108 Minor Surgical Procedure (Continued)

EQUIPMENT

Nomenclature	Amount	Um
Scissors Gen Surg Mayo 5.25-5.75"	1	EA
Scissors Gen Surg Mayo Crvd 6.5-7" Blade	2	EA
Scissors Gen Surg Mayo 6.5-7" Blunt Pts	1	EA
Scissors Iris Sharp Pts CRS	1	EA
Scissors Tonsil Metzenbaum 7" Crvd Blade Blunt	2	EA
Stand Surgical Instrument Adj Olive Drab	1	EA
Tray Instrument CRS 16.75x9.25x2.5" Rect	1	EA
Tray Instrument CRS 19.25x12.75x.75"	1	EA

CONSUMABLES

Nomenclature	Amount	Um
Suture Abs Surg Sz 4-0 2.25' Polyglycolic	1	EA
Suture Nonabs Sz 2-0 1.5' Silk Unarm Blk	1	EA
Suture Nonabs Sz 5-0 18" Ndl FS-2 Dry	1	EA
Suture Nonabs Surg Sz 3-0 2.5' Nylon	1	EA
Suture Nonabs Sz 4-0 1 18" Strand C3	2	EA
Suture Removal Kit Ster Disp	1	EA
Syringe Hypo GP 10ML Cap Luer Slip	1	EA
Towel Pack Surg Blue/Gry or Grn	2	EA
Tube Drainage Surg Penrose Amber	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 110 Test Vision			
EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
Chart Set Vision Acuity Test	1		Um

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 121 Eye Irrigation

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	Um
Basin Emesis Corrosion Resisting Steel	1	Catheter & Ndl Unit IV 18GA 1.25"	1	EA
		Sodium Chloride Inj USP 1000 ML Bag	500	ML
		Sponge Surg Gauze ABS White 4x4"	10	EA
		Syringe Irrigating 70ML Luer Plas	1	EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 123 Eye Care (Dressings/Eye Patch)

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Applicator Plastic/Wood Rod 6" Sterile	4	EA
Shield eye Surgical Fox Sgl Constr	2	EA
Sponge Surg Cellulose/Cotton/Gauze 4x4"	10	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 124 Ear Care Irrigation

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Basin Emesis Corrosion Resisting Steel	1	Catheter & Ndl Unit IV 18GA 1.25"	1	EA
		Sponge Surg Gauze ABS White 4x4"	4	EA
		Syringe Irrigating 70ML Luer Plas	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 125 Sponge/Hyperthermia Treatment

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Urn
		Pad Cooling Chemical Plas Flex Pck	2	EA
		Towel Pack Surg Blue/Gry or Grn	3	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 126 Seizure Care/Precautions

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Strap Webbing Litter Securing Ridgid Pole	1	Bandage Kerlix 2.25"x4 YD Flesh	3	RL

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 127 Patient Restraint (Gauze, Mitts, Ties)

EQUIPMENT

Nomenclature

Restraint Set Wrist & Ankles

Amount

1

CONSUMABLES

Nomenclature

Bandage Kerlix 2.25"x4YD Flesh

Amount

3

Um

RL

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 128 Patient Restraint (Combative Patient)

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Restraint Set Wrist & Ankles	1	Diazepam Injector USP 5MG/ML 2ML	2	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 142 Order/Document Appropriate Meds/Treatment

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
		Form Printed	1	EA
		Pen Ball-Point Pocket Med Retract Black	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 145 Administer Appropriate Medication¹

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount ²	Um
Injector Tube Plas Accom 1-2ML Med	1	Acetaminophen Tablets USP .325 GM	10-30	TB
		Albumin Human USP 25% 100ML Can	1	CN
		Albuterol Inhalation Aerosol 17GM	1	CO
		Amoxicillin & Potassium Clavulanate	30	TB
		Atropine Sulfate Inj USP 0.1MG/CC	.5	BT
		Atropine Sulfate Ophthalmic Solution USP	2	ML
		Bag Plastic 4x4"	1-3	EA
		Bandage Adhesive .75x3" Flesh	1-2	EA
		Belladonna Alkaloids & Phenobarbital	10	TB
		Bisacodyl Tablets USP 5MG Film Enteric	10	TB
		Bismuth Subsalicylate Tablets 262MG	16	TB
		Cefazolin Sodium Ster USP Equiv to 1GM	1	VI
		Cefoxitin Sodium Ster USP 2GM Vial	1	VI
		Ceftriaxone Sodium Ster USP 250MG	1	VI
		Cephalexin Capsules USP 250MG	40	CP
		Cetylpyridinium Chloride & Benzocaine Lz	10	LZ
		Chlorzoxazone Tablets USP 500MG	4-15	TB
		Cimetidine Tablets USP 300MG	30	TB
		Ciprofloxacin Tablets USP 500MG	28	TB
		Clindamycin Phosphate Injection USP 6ML	1	VI
		Codeine Sulfate Tablets USP 30MG	6-10	TB
		Diazepam Injector USP 5MG/ML 2ML	1-2	EA
		Dicloxacillin Sodium Caps USP 250MG	20-40	CP
		Diphenhydramine Hydrochloride Caps USP	5-40	CP

Task: 145 Administer Appropriate Medication (Continued)¹

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount²

Um

Diphenhydramine Hydrochloride Inj USP	1	EA
Doxycycline Hyclate Caps USP 100MG	14-40	CP
Envelope Drug Dispensing Paper White	1-3	EA
Epinephrine Inj USP Aqueous	1	EA
Epinephrine Inj USP 0.1MG/ML	1	EA
Fluocinolone Acetonide Cream USP	.25	JR
Gentamicin Sulf Opth Sol USP	1-5	ML
Gentamicin Sulfate Inj USP 40MG	1	VI
Guaifenesin & Pseudoephedrine Hcl	20	TB
Haloperidol Inj USP 5MG/ML 1ML	1	AM
Hydrocortisone Acetate & Pramoxine Hcl	1	CN
Ibuprofen Tabs USP 800MG	10-40	TB
Lidocaine Hydrochloride Inj USP	15	ML
Lidocaine Hydrochloride Jelly USP 2%	1	TU
Lindane Shampoo 2OZ	1	BT
Loperamide Hydrochloride Caps USP 2MG	8	CP
Magnesia Alumina Hydrox Simethicone	10-25	TB
Methylprednisolone Sodium Succinate Inj	50	MG
Metronidazole Tabs USP 250MG	30	TB
Miconazole Nitrate Antifungal Kit	1	KT
Morphine Sulfate Inj USP 10MG/ML	1	AM
Morphine Sulfate Inj USP 10MG Auto	1	EA
Naloxone Hydrochloride Inj USP	1	AM
Needle Hypo C13A GP 25GA Luer Lock	1-2	EA
Needle Hypo C13A GP 18GA Luer Lock	1	EA
Neomycin & Polymyxin B Sulfate Otic	1	BT

Task: 145 Administer Appropriate Medication (Continued)¹

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount²

Um

Neomycin & Polymyxin B Sulfate Oint	.5	TU
Nitrofurantoin Ex-Release Caps 100MG	30	CP
Oxymetazoline Hydrochloride Nasal Sol	15	ML
Pad Isopropyl Alcohol Impreg Nonwvn	1-2	EA
Permethrin Cream 60GM Tube	1	TU
Polyvinyl Alcohol Ophthalmic Sol 1.4%	1	BT
Prednisone Tablets USP 20MG	10-20	TB
Promethazine Hydrochloride Inj USP 25MG	1-2	AM
Pseudoephedrine Hydrochloride Tabs 60MG	15	TB
Sulfadiazine Silver Cream 1% Topical	50	GM
Sulfamethoxazole & Trimethoprim Tabs	28	TB
Syringe Hypo GP 10ML Cap Luer Slip	1-2	EA
Syringe Hypo GP 5ML Cap Sgl Scale Luer	1-2	EA
Syringe Irrigating 70ML Luer Plas Disp	1	EA
Tetracaine Hydrochloride Ophthalmic Sol	2	ML
Tolnaftate Topical Sol USP 1%	1	BT
Triamcinolone Acetonide Suspen USP	20-80	MG
Water for Inj Ster USP 5ML Amp	1	AM

¹ The supplies used for this task varies depending on the Patient Condition.

² The amounts cited vary depending on the Patient Condition.

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 204 Provide Patient Safety Special Watch

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

NO SUPPLIES NEEDED

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 221 Pericardiocentesis

EQUIPMENT

Nomenclature

Amount

Stand Surgical Instrument Adj Olive Drab

1

CONSUMABLES

Nomenclature

Amount

Um

Adhesive Tape Surgical Porous Woven 1" .5 RL
 Atropine Sulfate Inj USP 0.1MG/CC 10ML 1 BT
 Cup Specimen Plas Disp 2.5" Dia 4.5OZ 1 EA
 Glove Patient Exam/Treat Lrg Prepwrdr 2 EA
 Glove Patient Exam/Treat Med Prepwrdr 2 EA
 Needle Hypo C13A GP 25GA Luer Lock 1 EA
 Needle Hypo Spinal Malleable Lemmon 1 EA
 Pad Isopropyl Alcohol Impreg Nonwvn 2 EA
 Razor Surg Prep Plas Stationary Dsgn 1 EA
 Sponge Surg Cellulose/Cotton/Gauze 4x4" 5 EA
 Syringe Hypo GP 10ML Cap Luer Slip 1 EA
 Syringe Irrigating 70ML Luer Plas Disp 1 EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 244 Hemacult Test Feces Emesis Gastric Suction

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Cup Specimen Plas Disp 2.5" Dia 4.5OZ

1

EA

Test Kit Occult Blood Determination

1

EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 245 Urine Testing

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Cup Specimen Plas Disp 2.5" Dia 4.5OZ
Test Strips & Color Chart

1
2

EA
EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: 248 Force Fluids

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

NO SUPPLIES NEEDED

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 278 Arrange for Patient Evacuation

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
NO SUPPLIES NEEDED			

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 279 Arrange & Document Returns to Duty

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Form Printed

1

EA

Pen Ball-Point Pocket Med Retract Black

1

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 359 Induce Local Anesthesia

EQUIPMENT

Nomenclature

CONSUMABLES

Nomenclature	Amount	Nomenclature	Amount	Um
		Lidocaine Hydrochloride Inj USP	10	ML
		Lidocaine Hydrochloride Jelly USP 2%	1	TU
		Lidocaine Hcl & Epinephrine Inj USP 1%	5	ML
		Needle Hypo C13A GP 25GA Luer Lock	1	EA
		Pad Isopropyl Alcohol Impreg Nonwvn	1	EA
		Syringe Hypo GP 10ML Cap Luer Slip	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 453 Closed Reduction of Dislocation

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount Um
		Bandage Elastic Flesh Rolled 2"x4.5YD	1 RL
		Bandage Muslin Compressed Brn	1 EA
		Diazepam Injector USP 5MG/ML 2ML	2 EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 739 Reduce Fracture (Assist)

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Bandage Elastic Flesh Rolled 2"x4.5YD	1	RL
Bandage Elastic Flesh Rolled 4"x4.5YD	1	RL
Bandage Kerlix 2.25"x4YD Flesh	1	RL
Lidocaine Hydrochloride Inj USP	20	ML
Lidocaine Hcl & Epinephrine Inj USP 1%	5	ML
Morphine Sulfate Inj USP 10MG/ML 1ML	1	AM
Needle Hypo C13A GP 25GA Luer Lock	2	EA
Syringe Hypo GP 10ML Cap Luer Slip	2	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 740 Reduce Dislocation (Assist)

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Diazepam Injector USP 5MG/ML 2ML

2

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 744 Apply Velpeau Dressing

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Bandage Muslin Compressed Brn

1

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 748 Assemble Material/Clean Up

EQUIPMENT

Nomenclature

Basin Wash Corrosion Resisting Steel 7 QT
Basin Wash Corrosion Resisting Steel 9 QT

Amount

1
1

CONSUMABLES

Nomenclature

Bag Sterilization-Biohazard Disposal
Disinfectant-Detergent General Purpose
Disposal Container Hypo Ndl & Syr
Sponge Surg Gauze ABS White 4x4"
Towel Pack Surg Blue/Gry or Grn

Amount

1
.05
1
10
2

Um

EA
GL
EA
EA
EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 802 Initial/Subsequent Nonsurgical Debride of Burn/Wound

EQUIPMENT

Nomenclature	Amount	Um
Basin Wash Corrosion Resisting Steel 7 QT	1	EA
Handle Surgical Knife Detach Blade Sz 3	1	EA
Stand Basin Alum w/Carrying Case	1	EA
Stand Surgical Instrument Adj Olive Drab	1	EA
Tray Instrument CRS 19.25x12.75x.75"	1	EA

CONSUMABLES

Nomenclature	Amount	Um
Applicator Plastic/Wood Rod 6" Sterile	4	EA
Blade Surg Knife Det No. 10 Sm Tang	1	EA
Blade Surg Knife Det No. 11 Sm Tang	1	EA
Brush Surgical Scrub Black	1	EA
Glove Patient Exam/Treat Lrg Prepwrdr	2	EA
Glove Patient Exam/Treat Med Prepwrdr	2	EA
Lidocaine Hydrochloride Inj USP	10	ML
Lidocaine Hcl & Epinephrine Inj USP 1%	5	ML
Needle Hypo C13A GP 25GA Luer Lock	1	EA
Povidone-Iodine Topical Sol USP 10%	4	ML
Sodium Chloride Irrigation USP	1000	ML
Sponge Surg Cellulose/Cotton/Gauze 4x4"	10	EA
Syringe Hypo GP 10ML Cap Luer Slip	1	EA
Syringe Irrigating 70ML Luer Plas Disp	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: 999 Morgue Care

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

Form Printed

1

EA

Pen Ball-Point Pocket Med Retract Black

1

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: A10 Position Postural Drainage/Coma Position

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
NO SUPPLIES NEEDED			Um

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: A12 Occlude Sucking Chest Wound

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Dressing Chest Wound Seal

1

EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: A30 Wet/Cold Injury Therapy

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Blanket Bed Wool Olive Green	1	Blanket Casualty Plas Alum Coated	1	EA
Pad Heating Chemical Plas Chem Reaction 110F	2	Towel Pack Surg Blue/Gry or Gm	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z014 Intubation

EQUIPMENT

Nomenclature

Laryngoscope Macintosh Infant/Child/Adl

Amount

1

CONSUMABLES

Nomenclature

Um

Amount

Adhesive Tape Surgical Porous Woven 1"	.5	RL
Catheter & Conn Suct Trach E14 10FR	1	EA
Lidocaine Hydrochloride Jelly USP	1	TU
Stylet Tracheal Tube 7.5-10MM Tube	1	EA
Syringe Hypo GP 5ML Cap Sgl Scale Luer	1	EA
Tube Tracheal Murphy E12 w/Cuff	1	EA
Tube Tracheal Radiopaque Murphy	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z027 Cardio Arrest Resuscitation

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

Dextrose Injection USP 50% 50ML Cart
 Diphenhydramine Hydrochloride Inj USP
 Epinephrine Inj USP 0.1MG/ML
 Sodium Bicarbonate Inj USP 8.4%

2
 4
 4
 3

EA
 EA
 EA
 EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z037 BVM Setup

EQUIPMENT

Nomenclature

Resuscitator Hand Operated Sm/Med Adl

Amount

1

CONSUMABLES

Nomenclature

Tube Inhaler Force-Fit 72"

Amount

1

Um

EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: Z038 Maintain on BVM

EQUIPMENT

Nomenclature

Amount

CONSUMABLES

Nomenclature

Amount

Um

NO SUPPLIES NEEDED (See Task Z037)

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z042 Insert Chest Tube

EQUIPMENT

CONSUMABLES

Nomenclature	Amount	Nomenclature	Amount	Um
Forceps Hemo Rochester-Pean Qtr-Curved	1	Adhesive Tape Surgical Porous Woven 1"	.5	RL
Handle Surgical Knife Detach Blade Sz 3	1	Blade Surg Knife Det No. 10 Sm Tang	1	EA
Holder Suture Needle Brown Serrated Jaw	1	Dressing First Aid Field Cam 7.75-8.25"	1	EA
Scissors Gen Surg Mayo Crvd 6.5-7" Blade	1	Lubricant Surgical 4OZ	1	TU
		Razor Surg Prep Plas Stationary Dsgn	1	EA
		Suture Nonabs Sz 0 2.25' Ndl FSL Silk	1	EA
		Towel Pack Surg Blue/Gry or Grn	1	EA
		Tube Drainage Surg C18 Thoracic 36FR	1	EA
		Valve Surg Drain Heimlich 4.5"	1	EA

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: Z045 Change Drainage Bottles (Gastric/Chest)

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

NO SUPPLIES NEEDED

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z072 Insert Orogastric Tube

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Basin Emesis Corrosion Resisting Steel	1	Tube Stomach Surg Salem E19 16FR	1	EA
Suction Apparatus Surg Prtble/St	1	Tube Suct Surg 144" Plas Transparent	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z083 Expose Patient for Exam

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
Blade Finger Ring Saw	1			
Saw Finger Ring	1			
Scissors Bandage Blunt Points CRS	1			

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: Z094 Extremity Traction, Application/Adjust

EQUIPMENT		CONSUMABLES	
Nomenclature	Amount	Nomenclature	Amount
Splint Traction-Extraction Adl Alum	1		Um

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: Z277 Prepare for Evac Ground/Air

EQUIPMENT

Nomenclature

Amount

Nomenclature

Amount

Um

CONSUMABLES

NO SUPPLIES NEEDED

Appendix B -- Equipment & Consumable Requirements for BAS Tasks

Task: ZZ01 Induce Vomiting

EQUIPMENT

Nomenclature	Amount	Nomenclature	Amount	Um
Basin Emesis Corrosion Resisting Steel	1	Ipecac Syrup USP 7% 30ML	1	EA
		Sponge Surg Cellulose/Cotton/Gauze 4x4"	2	EA

CONSUMABLES

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: ZZ02 Stain Eyes (Flourescein Stain/Woods Lamp)

EQUIPMENT		CONSUMABLES		
Nomenclature	Amount	Nomenclature	Amount	Um
		Flashlight Eye Examining Cobalt 2.5V DC	1	EA
		Flourescein Sodium Ophthalmic Strips Mod 2	2	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: ZZ03 Needle Thoracostomy

EQUIPMENT

Nomenclature

CONSUMABLES

Nomenclature	Amount	Um
Catheter & Ndl Unit IV Bev Tip Radpq	2	EA
Pad Isopropyl Alcohol Impreg Nonwvn	2	EA
Sponge Surg Cellulose/Cotton/Gauze 4x4"	2	EA
Syringe Irrigating 70ML Luer Plas Disp	1	EA
Tube Drainage Surg Penrose Amber	1	EA

Appendix B – Equipment & Consumable Requirements for BAS Tasks

Task: ZZ16 Repair Eye Glasses

EQUIPMENT

Nomenclature

Screw Instrument UNS Thread
Screwdriver Set Jewelers

CONSUMABLES

Nomenclature

Amount

Nomenclature

Amount

Um

1

1

Appendix C
Proposed AMAL 635 – BAS Equipment

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
6530007709220	Basin Emesis Corrosion Resisting Steel	4	EA	00.85	0.032
6530007710105	Basin Wash Corrosion Resisting Steel 7 Qt	2	EA	02.45	0.188
6530007710225	Basin Wash Corrosion Resisting Steel 9 Qt	4	EA	02.84	0.206
6515003634150	Blade Finger Ring Saw .018" x .75" 90 Teeth Steel	1	EA	00.01	0.001
7210007157985	Blanket Bed Wool Olive Green 90" x 66"	24	EA	04.67	0.360
6530007720326	Bowl Surgical Sponge Corrosion Resisting Steel	2	EA	01.08	0.100
6515012761351	Brace Ankle Male/Female 9" Lg Univ Size Plastic Adj	3	EA	00.50	0.015
6515003867600	Cannula Laryngeal Angular Yankauer 9" Lg Brass	2	EA	00.19	0.006
6545009129900	Case Medical Instrument & Supply Set Polyamide Nylon	4	EA	04.56	1.125
6540005988075	Chart Set Vision Acuity Test Clinical & Screening	1	SE	05.00	0.530
6630010273914	Comparator Color: Hydrogen Ion & Residual Chlorine	1	EA	02.30	0.209
6515010587450	Drainage Unit Pleural Cavity Plas Water-Seal 3 Cham 6s	0.3	BX	01.50	0.167
6230002648261	Flashlight Right Angle 8.5" Lg 3 Volt DC Plas ABS Body	24	EA	00.10	0.001
6515003333600	Forceps Dressing 5.5" Lg Straight & Serrated Jaw CRS	2	EA	00.10	0.010
6515003373900	Forceps Gauze Pad Holding Foerster Box Lock Joint	2	EA	00.23	0.010
6515003345600	Forceps Hemo Halsted Straight Jaw Box Lock	6	EA	00.11	0.008
6515003344900	Forceps Hemo Halsted Slightly Curved Serr CRS	30	EA	00.10	0.009
6515003343800	Forceps Hemo Kelly Slightly Curved Jaw Str Hdl	8	EA	00.15	0.010
6515003346800	Forceps Hemo Kelly Straight Jaw Box Lock CRS	4	EA	00.15	0.007
6515003347400	Forceps Hemo Rochester-Ochsner Straight Jaw	6	EA	00.19	0.012
6515003344300	Forceps Hemo Rochester-Pean Qtr-Curved CRS	4	EA	00.21	0.010

* Items added to upgrade clinical capability

Appendix C (cont.)
Proposed AMAL 635 – BAS Equipment

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
6515003379900	Forceps Tissue Tweezer Straight & Smooth Jaw Rd Tip	2	EA	00.10	0.100
6515003377800	Forceps Tissue Adson Tweezer Straight & Smooth Jaw	14	EA	00.08	0.010
6515003380300	Forceps Tissue Allis Pivoted Straight & Smooth Jaw	4	EA	00.13	0.010
6515003204590	Forceps Towel Backhaus Opposed Prong Towel Clamp	6	EA	00.13	0.005
6515003406700	Hammer Reflex Testing 7-8"L 0.75" Thick Triangular	2	EA	00.39	0.034
6515003447800	Handle Surgical Knife Detach Blade Sz 3 Narrow Nose	8	EA	00.08	0.002
6515005843736	Holder Suture Needle Brown Serrated Jaw Straight	6	EA	00.21	0.010
6515003417200	Holder Suture Needle Collier Straight Jaw Box Lock	1	EA	00.16	0.012
6515002998737	Holder Suture Needle Hegar-Mayo Serrated Tungsten	1	EA	00.22	0.010
6515006198219	Holder Suture Needle Webster Str Jaw Lock	10	EA	00.13	0.002
6515003423100	Hook Iris Tyrell CRS Blunt Tip	4	EA	00.20	0.013
6515005842893	Infusor Pressure Blood Collecting-Dispensing Bag	8	EA	00.75	0.063
6515013448487	Injector Tube Plas Accom 1-2ml Med Needle Cart Unit	4	EA	00.11	0.065
6545002998649	Insert Cabinet Medical Instrument & Supply Set Chest	2	EA	60.00	3.900
6230006433562	Lantern Electric 5.1 V DC Conical Shap (Head Mount)	5	EA	00.83	0.067
6515006165052	Laryngoscope Macintosh Infant/Child/Adl 4 Det Blades	1	EA	03.96	0.160
NSN PENDING	*Litter Rigid Folding Talon II Polypropylene Cover	12	EA	13.00	0.498
6530007837510	Litter Nonrigid Poleless Nylon Retaining Straps Field	24	EA	03.50	0.163
6515001656544	Otoscope & Ophthalmoscope Set Elec Oper Btry Pwr	3	SE	00.76	0.016
NSN PENDING	*Oxygen Admin Kit w/Case 2-port Unibody Regulator	3	SE	06.00	0.750

* Items added to upgrade clinical capability

Appendix C (cont.)
Proposed AMAL 635 - BAS Equipment

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
6530013171131	Pad Heating Chemical Plas Chemical Reaction of 110°F	4	EA	01.80	0.002
6515003567100	Probe Bullet Fluhrer Copper Tapered Hdl Bulbous Tip	10	EA	00.07	0.003
6515003585500	Rack Suture Needle C/O Base Tract & Coil Wire Spring	1	EA	00.08	0.010
6530007884010	Restraint Set Wrist & Ankle	2	SE	02.89	0.150
6515012045394	Resuscitator Hand Operated Sm/Med Adl Face Masks	4	EA	03.00	0.070
6515009269193	Retractor Mastoid Weitlaner Hook Unit Type	6	EA	00.31	0.013
6515003609200	Retractor Set General Operating Double End	1	SE	00.43	0.031
6515003618980	Retractor Tracheal Hupp CRS Sharp Blade Pt 3 Prong	4	EA	00.13	0.014
6515003620200	Retractor Vein Cushing 8.5" Corrosion Resisting Steel	2	EA	00.24	0.014
6530007926000	Rod Intravenous-Irrigation Container Aluminum	8	EA	01.46	0.125
6515003634100	Saw Finger Ring .75" Blade Dia 6" Lg	1	EA	00.25	0.013
6515009357138	Scissors Bandage Blunt Points CRS	12	EA	00.19	0.014
6515003651820	Scissors Gen Surg One Blunt & One Sharp Blade Pt	3	EA	00.13	0.006
6515003640520	Scissors Gen Surg Mayo Crvd 6.5-7" Lg Blade Blunt Pts	6	EA	00.08	0.004
6515003640900	Scissors Gen Surg Mayo 5.25-5.75" Lg	10	EA	00.14	0.003
6515003640920	Scissors Gen Surg Mayo 6.5-7" Lg Blunt Pts	1	EA	00.35	0.007
6515003644800	Scissors Iris Sharp Pts Corrosion Resisting Steel	11	EA	00.12	0.006
6515003656200	Scissors Tenotomy Stevens Crvd Blade Blunt Pts	2	EA	00.06	0.002
6515003657100	Scissors Tonsil Metzenbaum 7" Crvd Blade Blunt Pts	2	EA	00.16	0.005
5305009265590	Screw Instrument UNS Thread Qty/In 90 C54 Oval Head	1	PG	00.07	0.003

* Items added to upgrade clinical capability

Appendix C (cont.)
Proposed AMAL 635 – BAS Equipment

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
512000288739	Screwdriver Set Jewelers	1	SE	03.00	0.096
6515010394884	Sphygmomanometer Aneroid 300mm Max Calibration	4	EA	01.25	0.100
6515012508936	Splint Traction-Extraction Adl Alum Dual-Hinged Case	4	EA	01.50	0.104
6530008902025	Stand Basin Alum w/Carrying Case	4	EA	05.83	0.667
6530005518681	Stand Surgical Instrument Adj Olive Drab Enameled Field	2	EA	17.00	1.750
6515009354088	Stethoscope Adl Sz 24" Lg Two Position Valve	8	EA	00.70	0.300
6530007844335	Strap Webbing Litter Securing Rigid Pole Litter	36	EA	00.13	0.004
6515010610662	Suction Apparatus Surg Prble or Stationary	1	EA	07.00	0.535
6530006600034	Support Litter Folding Lightweight 31.5" High	4	PR	13.75	1.000
6515001491407	Thermometer Clinical Human Rectal F Scale Red Tip	1	EA	00.01	0.001
6515013753244	Thermometer Clinical Human Subnormal Low 6s	1	PG	00.30	0.002
6530007939945	Tray Instrument CRS 10.5x8x2"	2	EA	01.50	0.146
6530007939570	Tray Instrument CRS 19.25x12.75x.75"	2	EA	03.25	0.150
6530009140238	Tray Instrument CRS 16.75x9.25x2.5" Rectangular	1	EA	03.50	0.330

* Items added to upgrade clinical capability

Total Weight = Σ (Quantity x Unit Weight) in pounds	779.5
Total Cube = Σ (Quantity x Unit Cube) in cubic feet	55.3

Appendix D
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
6505009857301	Acetaminophen Tablets USP 0.325GM 1000s	1.00	BT	1.330	0.067
6505002998179	Albumin Human USP 25% 100ML Can	20.00	CN	0.940	0.031
6505011169245	Albuterol Inhalation Aerosol 17GM Container 200 Sprays	4.00	PG	0.130	0.009
6505001060875	Ammonia Inhalant Sol Aromatic 0.333CC Ampul 10/PG	2.00	PG	0.070	0.004
6505013396919	Amoxicillin & Potassium Clavulanate Tablets 100TB/PG	2.00	PG	0.580	0.012
6505010946196	Atropine Sulfate Inj USP 0.1MG/CC 10ML BT 10BT/Bx	1.00	BX	1.400	0.120
6505005824735	Atropine Sulfate Ophthalmic Solution USP 1% 15ML	2.00	BT	0.080	0.004
6505001596625	Bacitracin Ointment USP 7100 Units 0.5OZ Tube 12/PG	2.00	PG	0.790	0.038
6505011007983	Belladonna Aklaloids & Phenobarbital Ext-Release 1000	1.00	BT	0.500	0.083
6505008899034	Bisacodyl Tablets USP 5MG Film Enteric 1000/BT	1.00	BT	0.560	0.018
6505012448010	Bismuth Subsalicylate Tablets 262MG IS 42TB/PG	2.00	PG	0.120	0.007
6505010100832	Cefazolin Sodium Ster USP Equiv to 1GM Cefazolin	25.00	BT	0.060	0.003
6505011046393	Cefoxitin Sodium Ster USP 2GM Vial 10VI/PG	0.40	PG	1.670	0.083
6505012277028	Ceftriaxone Sodium Ster USP 250MG Vial 10VI/PG	4.00	PG	0.580	0.020
6505013719634	Cephalexin Capsules USP 250MG 500/BT	2.00	BT	0.850	0.012
6505014213787	Cetylpyridinium Chloride & Benzocaine Lozenges 648s	1.00	PG	2.350	0.015
6505012036253	Charcoal Activated & Sorbitol Suspension 120ML BT	1.00	BT	0.750	0.006
6505012644453	Chlorzoxazone Tablets USP 500MG 100/BT	2.00	BT	0.231	0.008
6505010503547	Cimetidine Tablets USP 300MG 100s	1.00	BT	0.063	0.003
6505013334154	Ciprofloxacin Tablets USP 500MG 100/BT	4.00	BT	0.650	0.012
6505011875540	Clindamycin Phosphate Injection USP 6ML Vial 25/PG	1.00	PG	1.050	0.042

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit	
				Weight	Cube
6505001182132	Codeine Sulfate Tablets USP 30MG 100s	2.00	BT	0.120	0.003
6505001394460	Dextrose Injection USP 50% 50ML Cart 10/BX	1.00	PG	4.400	0.340
6505001375891	Diazepam Inj USP 5MG/ML 2ML Syringe w/Needle 10s	2.00	PG	0.250	0.015
6505003697289	Dicloxacillin Sodium Caps USP 250MG 100/BT	2.00	BT	0.170	0.009
6505001168350	Diphenhydramine Hydrochloride Caps USP 50MG 100s	2.00	BT	0.280	0.008
6505001487177	Diphenhydramine Hydrochloride Inj USP 50MG/ML	2.00	BX	0.250	0.033
650500095063	Doxycycline Hyclate Caps USP 100MG 500/BT	1.00	BT	0.920	0.058
6505001334449	Epinephrine Inj USP Aqueous Cart Needle Unit 10ML	1.00	PG	0.210	0.007
6505010932384	Epinephrine Inj USP 0.1MG/ML Syringe/Needle 10ML	1.00	PG	1.600	0.140
6505001394596	Fluocinolone Acetonide Cream USP 0.025% 425GM	1.00	JR	2.170	0.050
6505011591493	Fluorescein Sodium Ophthalmic Strips Modified 300s	1.00	PG	0.150	0.017
6505010222646	Gentamicin Sulf Ophth Sol USP Equiv 3.0MG/ML 5ML	4.00	BT	0.050	0.005
6505012139514	Gentamicin Sulfate Inj USP 40MG Equiv/ML 2ML VI 25	1.00	PG	0.660	0.020
6505013480278	Guaifenesin & Pseudoephedrine Hcl Ex-Release Tab 100s	2.00	BT	0.550	0.011
6505002688530	Haloperidol Inj USP 5MG/ML 1ML Ampul 10/PG	1.00	PG	0.130	0.016
6505010802904	Hydrocortisone Acetate & Pramoxine Hcl Foam 10GM	1.00	PG	0.010	0.001
6505012149062	Ibuprofen Tabs USP 800MG 500/BT	3.00	BT	1.470	0.050
6505009269197	Ipecac Syrup USP 7% 30ML	1.00	BT	0.300	0.005
6505005900470	Isometheptene Mucat Caps 50/BT	2.00	BT	0.310	0.008
6505005986116	Lidocaine Hydrochloride Inj USP 10MG/ML 50ML BT	5.00	BT	0.280	0.010
6505005843131	Lidocaine Hydrochloride Jelly USP 2% 30ML	8.00	PG	0.150	0.006

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit	Unit	Unit
			Issue	Weight	Cube
6505005825182	Lidocaine Hcl & Epinephrine Inj USP 1% 20ML 5s	1.00	BX	0.630	0.025
6505002688574	*Lindane Shampoo 2OZ 12s	1.00	PG	0.330	0.010
6505010666568	Loperamide Hydrochloride Caps USP 2MG 100/BT	1.00	BT	0.080	0.004
6505001538809	Lubricant Surgical 4OZ (113.4GM)	6.00	TU	0.350	0.015
6505011561844	Magnesia Alumina Hydrox Simethicone Tabs 50/BT	2.00	BT	0.120	0.018
6505009262111	Mecizine Hydrochloride Tabs USP Chewable 25MG 100s	1.00	BT	0.110	0.006
6505011080808	Methylprednisolone Sodium Succinate Inj USP 1000MG	1.00	CO	0.120	0.004
6505008901840	Metronidazole Tabs USP 250MG 250/BT	1.00	BT	0.470	0.024
6505012362147	Miconazole Nitrate Antifungal Treatment Kit 36/PG	1.00	PG	3.550	0.022
6505013025530	Morphine Sulfate Inj USP 10MG Automatic Injector	60.00	EA	0.030	0.003
6505008122596	Morphine Sulfate Inj USP 10MG/ML 1ML Ampul 25/PG	2.00	PG	0.250	0.013
6505000797867	Naloxone Hydrochloride Inj USP 0.4MG/ML 1ML Amp	1.00	BX	0.120	0.050
6505011434642	Neomycin & Polymyxin B Sulf & Dexamethasone Opth	5.00	TU	0.030	0.001
6505010430230	Neomycin & Polymyxin B Sulf & Hydrocortisone Otic	6.00	PG	0.130	0.008
6505013523884	Nitrofurantoin Ex-Release Caps 100MG 100/BT	2.00	BT	0.650	0.012
6505001325181	Oxygen USP 99% Cylinder Type D 95GL	8.00	EA	13.000	0.300
6505008694177	Oxymetazoline Hydrochloride Nasal Sol 15ML Spray BT	10.00	BT	0.100	0.006
6505013218812	Permethrin Cream 60GM Tube	3.00	TU	0.350	0.010
6505009617486	Polyvinyl Alcohol Ophthalmic Sol 1.4% 15ML	10.00	BT	0.070	0.003
6505004917557	Povidone-Iodine Cleansing Sol USP 7.5% 4FLOZ	15.00	BT	0.410	0.016
6505009143593	Povidone-Iodine Topical Sol USP 10% .5FLOZ 50s	1.00	BX	2.750	0.108

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit	
				Weight	Cube
6505010729666	Prednisone Tablets USP 20MG 100/BT	1.00	BT	0.150	0.030
6505006807352	Promethazine Hydrochloride Inj USP 25MG/ML 1ML	2.00	BX	0.310	0.019
6505009582366	Pseudoephedrine Hydrochloride Tabs USP 60MG 1000s	1.00	BT	1.500	0.104
6505013306267	Ringer's Injection Lactated USP 1000ML Bag 12/PG	10.00	PG	6.550	0.115
6505002165370	Sodium Bicarbonate Inj USP 8.4% Syringe/Needle Unit	1.00	PG	4.400	0.300
6505013306269	*Sodium Chloride Inj 1000ML Bag 12s	2.00	PG	6.550	0.115
6505005607331	Sulfadiazine Silver Cream 1% Topical 400GM Jar	5.00	JR	1.250	0.047
6505010161470	Sulfamethoxazole & Trimethoprim Tabs USP 100/BT	2.00	BT	0.020	3.700
6505005824737	Tetracaine Hydrochloride Ophthalmic Sol 0.5% 15ML	1.00	BT	0.100	0.005
6505009262241	Tolnaftate Topical Sol USP 1% 10ML	12.00	BT	0.060	0.006
6505012104472	Triamcinolone Acetonide Suspen Ster USP 40MG/ML	2.00	VI	0.007	0.002
6505005434048	Water For Inj Ster USP 5ML Ampul 25/BX	2.00	PG	0.750	0.029
6510002036010	Adhesive Tape Surgical 12"x5YD	2.00	RO	2.590	0.167
6510009268882	Adhesive Tape Surgical Porous Woven 1"x10YD 12s	3.00	PG	1.410	0.050
6510009268884	Adhesive Tape Surgical Porous Woven 3"x10YD 4s	4.00	PG	1.200	0.050
6515013215211	*Airway Kit Percutaneous Emergency 10s	1.00	PG	0.200	0.050
6515011676637	Airway Nasopharyngeal Robertazzi 30FR Oblique Tip 12s	0.10	PG	3.000	0.200
6515006878052	Airway Pharyngeal 4" Airway/Cut Away Flange 30FR 30s	1.00	PG	0.110	0.010
6515006878052	Airway Pharyngeal Berman Lrg Adult 100MM Plas Disp	1.00	BX	0.550	0.052
6515012821834	Airway Pharyngeal Guedel Sm 80MM Plas Disp	1.00	PG	0.260	0.025
6515009051473	Applicator Plastic/Wood Rod 6" Sterile Disp 2000s	0.25	PG	6.500	0.700

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
8105008377753	Bag Plastic 4x4"	1.00	MX	35.000	0.278
6530011075798	Bag Sterilization-Biohazard Disposal 36x24" Sgl Wall 200	1.00	PG	17.000	0.435
6515012968429	Bag Suction Apparatus Surgical	1.00	EA	0.010	0.001
6510009137909	Bandage Adhesive .75x3" Flesh 300s	1.00	BX	0.670	0.051
6510009355822	Bandage Elastic Flesh Rolled 4"x4.5YD 12s	6.00	PG	2.000	0.183
6510009355820	Bandage Elastic Flesh Rolled 2"x4.5YD 12s	2.00	PG	1.190	0.103
6510009355823	Bandage Elastic Flesh Rolled 6"x4.5YD 12s	2.00	PG	3.250	0.284
6510002007015	Bandage Gauze Tubular 50Ydx.875 w/Applicator White	1.00	RO	0.780	0.084
NSN PENDING	*Bandage Kerlix 2.25"x4YD Roll 100s	2.00	PG	0.150	0.006
6510002011755	Bandage Muslin Compressed Brown 37x37x52" Triang	48.00	EA	0.130	0.008
6135009300030	Battery Nonrecharg 1.5 Volt Cyl Shape 2.375" L	2.00	PG	0.100	0.001
6515006600011	Blade Surg Knife Det No. 10 Sm Tang U/W 3 3L 7 9 Hndl	2.00	PG	0.030	0.002
6515006600010	Blade Surg Knife Det No. 11 Sm Tang U/W 3 3L 7 9 Hndl	2.00	PG	0.030	0.001
6510012422271	Blanket Burn 6x5' 100 PCT Woven New Wool 4s	2.00	PG	40.000	1.610
7210009356665	Blanket Casualty Plas Alum Coated 84x56" Green	50.00	EA	0.770	0.070
6515013637700	Board Spinal Folding Heavy Gauge Alum	3.00	EA	10.000	3.000
7530002223525	Book Memorandum	2.00	EA	16.800	0.600
6530007725935	Brush Surgical Scrub Nylon or Polypropylene Block	6.00	EA	0.130	0.010
6515004588413	Catheter & Conn Suct Trach E14 10FR Whistle Tip 50s	1.00	PG	5.000	0.773
6515013373681	Catheter & Ndl Unit IV 18GAX1.25" w/Ndl Guard 200s	1.00	PG	1.000	0.400
6515013373682	Catheter & Ndl Unit IV 20GAX1.25" w/Ndl Guard 200s	1.00	PG	4.000	0.400

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
6515013405429	Catheter & Ndl Unit IV Bev Tip 14GA Plas Hub 200s	1.00	PG	4.000	0.400
6515001490104	Catheterization Kit Urethral w/Bot Outlet Drain Bag 16FR	15.00	EA	0.710	0.254
6515013738659	Cover Electronic Thermometer Probe Plas Disp 100s	2.00	PG	0.200	0.010
6530008377472	Cup Specimen Plas Disp 2.5" Dia 4.5OZ 100s	0.25	PG	6.000	1.400
6515003245500	Depressor Tongue 6x.75x.062" Straight 100s	2.00	PG	0.690	0.036
6840005261129	Disinfectant-Detergent General Purp Iodine Concent 1GL	1.00	BT	9.250	0.300
6530011832863	Disposal Container Hypo Ndl & Syr 6.9QT Plas 12s	0.25	PG	13.000	4.300
6510012435894	Dressing Burn 4x16" Saturated w/Water Gel 28s	2.00	PG	7.500	0.390
6510014081920	*Dressing Chest Wound Seal 10s	2.00	PG	0.200	0.001
6510002017425	Dressing First Aid Field Camouflaged 11.5-12" W	20.00	EA	0.500	0.038
6510002017430	Dressing First Aid Field Camouflaged 7.75-8.25" W	50.00	EA	0.290	0.017
6510000835573	Dressing First Aid Field White 4" W Absorbent	80.00	EA	0.140	0.006
8105005593051	Envelope Drug Dispensing Paper White Sgl Wall 100s	1.00	PG	0.333	0.021
6515012376086	Flashlight Diagnostic Str Shape Patient Exam Disp 6s	2.00	PG	1.000	0.100
6515001859483	Flashlight Eye Examining 2.5V DC Split Beam Disp	2.00	EA	0.060	0.002
6230002648261	Flashlight Right Angle 3V DC Plas ABS Body	2.00	EA	0.100	0.001
6515011253266	Forceps Suture Clip Removing 4MM Disp 12s	0.50	PG	2.000	0.500
7540006344176	Form Printed 100s	2.00	HD	0.010	0.000
6510010037697	Gauze Absorbent Iodoform Impregnated .25"x5YD 12s	1.00	PG	3.160	0.092
6515013648554	Glove Patient Exam/Treat Lrg Prepwr Snug Cuff 100s	1.00	PG	1.200	0.100

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit	
				Weight	Cube
6515013648553	Glove Patient Exam/Treat Med Prepwrdr Snug Cuff 100s	4.00	PG	1.200	0.100
6515012767970	Intravenous Exchange Set 8.5FR ID Cath 2.5" L 25s	0.50	PG	2.000	0.030
6515011050614	Intravenous Injection Set 12 Components Nonvent 50s	2.00	PG	0.128	0.028
6508014360607	Lipstick Antichap Cold or Hot Climate SPF 15 144/PG	1.00	PG	3.150	0.018
6515008886122	Mask Oronasal Semi-Rigid Translucent Plas 50s	1.00	PG	5.500	1.500
6515007542834	Needle Hypo C13A GP 18GA Luer Lock Reg Ster 100s	1.00	PG	0.660	0.044
6515006555751	Needle Hypo C13A GP 25GA Luer Lock Ster Disp 100s	1.00	PG	0.580	0.053
6515003025040	Needle Hypo Spinal Malleable Lemmon 18GA 4"	3.00	EA	0.090	0.005
6530001334299	Pad Cooling Chemical Plas Flexible Pack Disp 4s	4.00	PG	2.800	0.133
6510007863736	Pad Isopropyl Alcohol Impreg Nonwvn Cotton/Ray 100s	2.00	PG	0.500	0.100
6510005596130	Pad Post Surgical Obstetrical Super Size 12s	2.00	PG	0.670	0.113
7520009357136	Pen Ball-Point Pocket Med Retract Black Cart Replaceable	2.00	DZ	0.360	0.144
6515013225898	Razor Surg Prep Plas Stationary Dsgn Solid Hdl Disp 100s	1.00	PG	0.010	0.001
6515006639801	Shield Eye Surgical Fox Sgl Constr 2.938" Horiz Axis Lg	4.00	EA	0.030	0.004
8520013535671	Skin Cleanser 60% Ethyl Alcohol No Rinsing 4OZ/BT 36s	2.00	PG	9.000	0.500
6510000547254	Skin Closure Adhesive Surgical Porous .5x4" 300s	1.00	PG	0.710	0.035
6515009356592	Splint Arm Adult Dbl-Wall Pneumatic Zipper Close Plas	5.00	EA	1.880	0.335
6515001686894	Splint Finger Phalange 18x.75" Either Hand 12s	2.00	PG	0.920	0.059

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 – BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit	
				Weight	Cube
6515009356593	Splint Leg Adult Dbl-Wall Pneumatic Slide Fasten Plas	6.00	EA	2.880	0.380
6515003732100	Splint Wire Malleable Alum Diamond Crosshatch	12.00	EA	0.490	0.018
6515003721200	Splint Wood 18x4x.188" Basswood Overall 12s	2.00	PG	3.000	0.117
6510007822698	Sponge Surg Gauze ABS White 4x4" 8-Ply Inj/Surg 200s	1.00	PG	0.830	0.073
6510007822700	Sponge Surg Gauze Compressed 2x2" White Ster Bag 200s	1.00	PG	0.310	0.026
6510007219808	Sponge Surg Cellulose/Cotton/Gauze 4x4" Ster 1200s	0.25	PG	16.000	2.200
6515010715561	Stapler Skin Surgical 35 Sz 6.9x3.9MM Staples 6s	1.00	PG	1.200	0.096
6515013948327	Stylet Tracheal Tube 7.5-10MM Trach Tubes 10s	1.00	PG	2.100	0.021
6515012637725	Support Cervical Large 14-19" L 5/50" W w/Trach Hole	6.00	EA	0.880	0.290
6515001395916	Suture Abs Surg Gen Closure Sz 3-0 2.25' Sgl Arm 36s	1.00	PG	0.530	0.049
6515004822833	Suture Abs Surg Sz 4-0 2.25' Polyglycolic Sgl Arm 36s	1.00	PG	0.530	0.049
6515002277897	Suture Nonabs Surg Sz 3-0 2.5' Nylon Mono Sgl Arm 36s	1.00	PG	0.010	0.001
6515004054007	Suture Nonabs Sz 0 2.25' Ndl FSL Silk Blk Br 3s	1.00	DZ	0.420	0.420
6515000678244	Suture Nonabs Sz 2-0 1.5' Silk Unarm Blk Br 36s	1.00	PG	0.420	0.041
6515007344342	Suture Nonabs Sz 4-0 1 18" Strand C3 RVS Nylon 36s	1.00	PG	0.730	0.041
6515010615374	Suture Nonabs Sz 5-0 18" Ndl FS-2 Dry Pack 36s	1.00	PG	0.400	0.020
6515004361881	Suture Removal Kit Ster Disp Remov Silk/Nyl Sut 50s	0.10	PG	6.500	0.612
6515007540412	Syringe Hypo GP 10ML Cap Luer Slip w/o Ndl 100s	1.00	PG	5.800	0.570
6515007540406	Syringe Hypo GP 5ML Cap Sgl Scale Luer Slip 100s	1.00	PG	4.750	0.460
6515010998517	*Syringe Irrigating 70ML Luer Plas Disp 50s	1.00	PG	2.000	0.500

* Items added to upgrade clinical capability

Appendix D (cont.)
Proposed AMAL 636 -- BAS Consumables

NSN	Nomenclature	Quantity	Unit Issue	Unit Weight	Unit Cube
8465013376792	Tag ID Personnel Cardboard Field Triage 200s	1.00	PG	0.200	0.400
6550001656538	Test Kit Occult Blood Determination 100 Tests	1.00	EA	1.500	0.070
6550012215400	Test Strips & Color Chart 100 Strips/BT	1.00	BT	0.230	0.023
6515013737292	Thermometer Clin Human Oral Digital Ltwt 300Hr Use	5.00	EA	0.010	0.001
6515003830565	Tourniquet Nonpneumatic Camouflaged	20.00	EA	0.240	0.020
6530001101854	Towel Pack Surg Blue/Gry or Grn Ster Disp 19x26" 96s	1.00	PG	9.000	0.900
6515000423850	Tube Connecting Urinary Drainage Plas Disp 9/32" 50s	1.00	PG	10.000	0.750
6515013851697	Tube Drainage Surg Penrose Amber Rubber 200s	0.10	PG	5.200	1.400
6515008669073	Tube Drainage Surg C18 Thoracic 36FR Str 6 Eye 10s	1.00	PG	1.540	0.096
6515005628308	Tube Inhaler Force-Fit 72" Plas w/Molded Res Tape 50s	1.00	PG	4.500	0.900
6515001490316	Tube Stomach Surg Salem E19 w/Funnel 16FR 50s	0.50	PG	4.000	0.700
6515011742354	Tube Suct Surg 144" Plas Transparent 20s	1.00	PG	0.140	0.031
6515001050759	Tube Tracheal Murphy E12 w/Cuff 10s	1.00	PG	1.000	0.050
6515010369034	Tube Tracheal Radiopaque Murphy 10s	2.00	PG	1.200	0.260
6515009269150	Valve surg Drain Heimlich 4.5" L 1" Dia Flutter Rbbr 10s	2.00	PG	0.060	0.024

* Items added to upgrade clinical capability

Total Weight = Σ (Quantity x Unit Weight) in pounds

Total Cube = Σ (Quantity x Unit Cube) in cubic feet

822.03

58.37

REPORT DOCUMENTATION PAGE		Form Approval OMD No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for receiving instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA. 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.			
1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE September 1997	3. REPORT TYPE AND DATE COVERED Interim 97 FEB - 97 AUG	
4. TITLE AND SUBTITLE A Model for Predicting Medical Supply Requirements at the Forward Areas of Care: Battalion Aid Stations		5. FUNDING NUMBERS Program Element: 63706 N Work Unit Number: M0095.005 - 6510	
6. AUTHOR(S) Michael R. Galarneau, Paula J. Konoske, Kristee E. Emens-Hesslink, Gerald Pang, & Eleanor D. Gauker			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Naval Health Research Center P.O. Box 85122 San Diego, CA 92186-5122		8. PERFORMING ORGANIZATION NUMBER Report Number 97-28	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) Naval Medical Research and Development Command National Naval Medical Center Building 1, Tower 2 Bethesda, MD 20889-5044		10. SPONSORING/MONITORING AGENCY AND REPORT NUMBER	
11. SUPPLEMENTARY NOTES			
12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release: distribution is unlimited.		12b. DISTRIBUTION CODE A	
13. ABSTRACT The Medical Readiness Strategic Plan 2001 outlines the necessity of tailoring medical capability to support evolving Marine Corps doctrine. To address this issue, the primary objective of the current study was to develop a model of the echelon 1a (battlefield) and echelon 1b (Battalion Aid Station) medical supply stream that described the clinical requirement for each item stocked. Clinical requirements were established by linking each item to the specific medical task and type of patient condition (PC) requiring the item. A patient generating model (PATGEN) was used to determine which PCs would be expected to present at a BAS during a worst-case scenario major regional contingency. This information was loaded into the model to produce the specific medical supply items required for the BAS equipment AMAL 635 and consumable AMAL 636. When compared to the current Marine Corps BAS AMALs, the proposed AMALs produced by the model resulted in reductions of 33% in weight and 55% in cubic volume for the equipment AMAL 635 and 29% reductions in weight and 30% in cubic volume for the consumable AMAL 636. This approach, which resulted in no reductions in BAS clinical capability, produced an audit trail for each item that allows medical planners and logisticians to substantially improve the process of configuring the AMALs because only items that can be clinically related to a treatment task conducted in theater are considered for inclusion in the AMALs.			
14. SUBJECT TERMS Authorized Medical Allowance Lists (AMAL), supply stream, logistics, medical resource allocation, supply configuration model, Battalion Aid Station		15. NUMBER OF PAGES 133	
		16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited