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VOLUME II

**KOREA PROGRAM
MEMORANDUM
(DRAFT)**

**INTER-AGENCY
PROGRAM ANALYSIS**

NSSM-27

JULY 1969

Declassified Under Authority of
the Interagency Security
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VOLUME II

KOREA PROGRAM MEMORANDUM (ANNEXES)
(DRAFT)

INTER AGENCY PROGRAM ANALYSIS

NSSM - 27

1 July 1969

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Supporting annexes of the Korea Program Memorandum (draft), Inter-Agency Program Analysis (NSSM-27), are contained in this volume.

The excellent cooperation of the Department of State, the Military Services, the Joint Staff, various field commands, and other participating agencies in placing capable members of their staffs on the Study Group, performing special studies, making data available, and reviewing drafts, made this volume possible.

Earl C. Ravenal
Project Director
Korea Program Analysis

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VOLUME II

ANNEXES

KOREAN PROGRAM MEMORANDUM (DRAFT)

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ANNEX I

TERMS OF REFERENCE - KOREA PROGRAM ANALYSIS STUDY

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THE UNDER SECRETARY OF STATE
WASHINGTON

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September 26, 1968

MEMORANDUM FOR SIG MEMBERS

Subject: Interagency Planning-Programming-Budgeting Study
for Korea

In accordance with our discussion at the 43rd SIG meeting, I hereby direct an interagency study of the requirements for the defense of the Republic of Korea and the related and supporting political, economic and psychological programs and policies of the United States. The Terms of Reference of this Study, as earlier circulated to SIG members, are attached.

The Director of Central Intelligence will designate a representative to the Steering Group and a full-time member to the Study Group. The Study will include in its scope of analysis--(see Terms of Reference, paragraph IV.C)-- the likely warning time of an impending attack and North Korean military capabilities.

As agreed in our discussion, the Study should be based on the following major United States objectives:

- To prevent large-scale North-South hostilities;
- To maintain a stable compromise among the great powers with interests in Korea;
- To keep South Korea out of hostile hands;
- To increase ROK ability to defend itself;
- To promote South Korea's economic development and political stability;

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- To encourage Japan to make a greater contribution to the security and prosperity of the ROK.

It is understood that the Study may develop specific recommendations of a preferred course of action. Equally important, however, the Study should set forth several feasible alternatives from which the United States Government might make a possible choice. The several alternatives should delimit the military, political and economic risks as well as the costs involved in each of them.

The Study will also examine how the several feasible courses of action would fit into and support a broader strategy towards East Asia designed to enhance the region's security while reducing the military and economic burdens now carried by the United States.

It is requested that all SIG agencies give their fullest cooperation to this effort.

The Study will be handled in the same manner as other studies undertaken under SIG auspices. Accordingly, in line with the procedure laid out in Section VII of the attached terms of reference, we plan to review the study report in four steps as follows:

- The first draft of the final report as approved by the Steering Group will be circulated to appropriate agencies for informal comment;

- In light of these comments the project director and the Study Group will review the findings and make appropriate adjustments to the report, to be approved by the Steering Group.

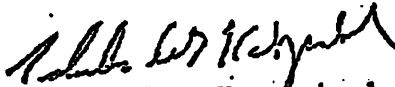
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-- The SIG will ask the IRG/EA to review the revised report and comments, and submit its own recommendations;

-- The SIG then will meet to review the report, the IRG comments and recommendations, and other comments of interested agencies.


Nicholas deB. Katzenbach

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September 9, 1968

Terms of Reference for
Interagency Planning, Programming, Budgeting Study
for Korea

I. Purpose

The purpose of this study is to develop an inter-agency country planning, programming, budgeting document for Korea for the period FY 70-74.

II. Direction

The study will be directed as set forth in Annex A.

III. Economic and Military Programs for Korea

The study will consider alternative five-year mixes of ROK force structures, United States forces in, and programmed for, the defense of Korea, and the United States economic and military assistance programs to achieve the overall United States objectives for Korea. The study will develop alternative choices and recommend a mix of these programs to include a five year plan for military and economic development for the ROK.

IV. Scope of Analysis

The analysis of alternative mixes will include consideration of the following factors:

- A. Detailed costs for U.S. and the ROK.
- B. Effect on Korean economic growth.
- C. Intelligence estimates of the threat, to include consideration of impact of any revised force structure on the risk of ROK aggressive action.
- D. Political acceptability in U.S. and Korea.

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E. Possibilities (including estimated dates) that various forms of concessional aid, economic and military, could be terminated.

F. Prospective United States budget constraints, and impact on alternative mixes.

G. Possible greater involvement of Japan and other nations in Korea's security and economic growth.

V. Related Tasks

Development of a five-year interagency country program memorandum.

VI. Schedule

A. First draft should be completed by 30 October 1968.

B. Final draft should be completed by 18 December 1968.

VII. Follow-on Action

After review and comment by appropriate agencies, the study and comments will be submitted to the SIG. Prior to consideration by SIG, the study and comments thereon will be reviewed by IRG/EA, which shall make recommendations to the SIG for a five-year program for the economic and military development of the ROK.

Interagency Program Budgeting Study
for Korea

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Chairman

- Claus W. Ruser, Office of the Under Secretary of State

Co-Chairman

- James F. Leonard, Country Director for Korea, Department of State

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NATIONAL SECURITY COUNCIL
WASHINGTON, D.C. 20306

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February 22, 1969

National Security Study Memorandum 27

TO: The Secretary of State
The Secretary of Defense
The Director of Central Intelligence
The Director of the Bureau of the Budget
The Administrator of the Agency for
International Development
The Director of the United States Information
Agency

SUBJECT: Interagency Planning-Programming-Budgeting
Study for Korea

Senior Interdepartmental Group Memorandum #85, dated September 26, 1968, directed an Interagency Planning-Programming-Budgeting study for Korea. The President has directed the completion of this study as one of the series of studies to be undertaken in accordance with National Security Decision Memorandum No. 4, subject: Program Analyses.

To avoid interrupting the progress of the study, no changes in the organization of the interagency task force and support of the study by the participating agencies should be made at this time. However, the task force should be in close consultation with the NSC staff as the study progresses.


A complete draft of the study report, backup analyses, and program memorandum should be submitted by the Chairman of the Steering Group to the Assistant to the President for National Security Affairs for review in accordance with NSDM 4 by May 1, 1969. The completed study report and program memorandum will be circulated for NSC IG/EA comment prior to submission to the NSC Review Group. The Administrator, Agency for International Development and the Director, United States Information Agency should be represented on the Interdepartmental Group for this purpose.

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The terms of reference for the study as described in SIG Memorandum #85 shall remain in effect.


Henry A. Kissinger

cc: The Chairman, Joint Chiefs of Staff

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ANNEX II

CHAPTER TWO: ROK AND US LAND FORCES FOR DEFENSE OF SOUTH KOREA

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APPENDIX A
THE MODULAR FORCE PLANNING SYSTEM

A.1 . General

The modular force planning approach was used as a point of departure in calculating the balanced in-theater support structure required for effective operation of a selected set of combat battalions. The computational vehicle used is a variation of standard input-output methodology.

The essential problem is to relate units within the theater to each other. For example, the number of military police guard companies is related to the number of logistics support brigade headquarters, PW camp headquarters, stockade rehabilitation center battalions, military police confinement and detachment and railway battalions.

The relationships will vary with the peculiarities of the theater and the scenario. The terrain, vegetation, number and condition of ports and airfields, length and condition of the lines of communication, and casualty rates are among the many variables which were considered. Such parameters alter the relationships of a large portion of the units within the model.

Using these relationships, the model forms two matrices which link the units together. One matrix consists of a set of numerical fractions or coefficients, relating the combat modules to the supporting units. For example, an infantry maneuver battalion might require .037 field hospitals, .389 separate military police companies, .111 divisional military police companies, etc. The second matrix consists of the set of coefficients relating all of the supporting units to each other. The first matrix is thus used to generate the number of support units required to serve the combat modules, while the second matrix produces the backup support tail behind the resultant support units. The theater independent interrelationships are shown in Table A-1-4.

A.2 Scenarios Used

As was mentioned earlier, the support relationships in the model vary with the peculiarities of the theater and the scenario. In this study two SPECTRUM scenarios were used: 8, 10, 12, and 14 division forces were analyzed in defense against a North Korean limited objective attack along the Seoul corridor; and 16, 18, 20, 23, 28, and 30 division forces were analyzed in defense against a North Korean invasion all along the border. Logistic and administrative data describing the scenarios came from the Army General Purpose Forces Study - 1972 (Gen Pur 72). The assumptions for the two scenarios were as follows:

1. Limited North Korean Attack

Transportation: Of the cargo coming into theater, 90% would be delivered by sea. It would enter 50X5 ports - 50X5
50X5 The remaining 10% of cargo
would be delivered by air, to 50X5

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50X5 All cargo coming into ports would be handled by Terminal Service Companies, 80% of which would be Type B units.

POL: Three days of supply would be stored at Corps level; five days at Army level. All of the POL would be moved forward by rail or pipeline, and none of it would require port clearance by POL Truck Companies.

Medical: The evacuation policy and the period of estimate would both be 60 days; therefore, everyone remains in-theater. The dispersion factor would be 20%. Daily admission rates per thousand men are shown in the next table. Of the patients, 69% will be placed in 1,000 bed hospitals; 15% in 500 bed hospitals; and 16% in 300 bed hospitals.

TABLE A-1-1

ADMISSION RATES

	<u>WIA^{1/}</u>	<u>DNBI^{2/}</u>
Div	3.46	2.35
Corps/FA	1.59	1.74
COMMZ	0.02	0.93

- 1/ Wounded in action.
2/ Disease or non-battle injury.

Engineers: Of the required general facilities, 98% would be available. Indigeneous personnel would handle 44% of in-theater general construction. The following tasks must be accomplished: (1) Build 84 km of additional combat roads. (2) Rehabilitate 182 km of existing combat roads. (3) Build 8 defensive barriers, 7 deliberate barriers, and 14 deliberate field fortifications. (4) Maintain 2 Air Force heavy-lift airfields and 8 Air Force tactical support airfields, assuming an 8% damage factor. (5) Maintain 1271 km of rail lines, assuming a 3% damage factor. Maintain 168 250 ft. railroad bridges and 1,260 50 ft. bridges, assuming a 3% damage factor. (6) Maintain 535 km of pipeline, (assumed to be constructed by FY 72) assuming a 5% damage factor.

Consumption: The following consumption factors were used in the study (in pounds/man/day):

	<u>I</u>	<u>II</u>	<u>III**</u>	<u>IV</u>	<u>V</u>
Field Army	4.9	9.5	3.19	3.0	1.2
COMMZ	4.9	9.7	3.19	20.0	0.6

* Type B units are made up largely of foreign nationals and hired by the US Army.
** Packaged POL only - does not include bulk POL.

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Units which were excluded as not needed are shown in Table A-1-2 below:

TABLE A-1-2

EXCLUDED UNITS

<u>Name</u>	<u>TOE</u>	<u>Computer Code</u>
AG SP SVC DET	12018G80066	76
AG ARMY POST OFFICE	12550G70066	80
CM CO PROCESSING	02077G70000	160
CA HHD BN (FASCOM)	41500G80066	161
CM HHD SMOKE GENR BN	03266G60000	162
CM DET JA CBR CENTER	03500G8JA01	166
CM DET FA DECONTAMINATION	03500G8FA01	168
EN CO PIPELINE CONST	05177G80000	300
EN CO TOPO CORPS	05327G60000	308
EN TM HE UTILITIES	05530G7HE01	325
EN TM HA DIVING	05530G7HA01	348
JA TM GA WAR CRIMES INVES	27500G68A01	411
MD DET JB VET SVC	08500G6JB01	494
MH DET	20017G70000	528
OD DET MSL SPT DS	09550T70066	607
TC CO MEDIUM BOAT	55128G70000	766
TC CO HEAVY BOAT	55129G70000	768
TC CO LIGHT AMPHIB	55138G80000	770
TC CO MED AMPHIB	55139G70000	772

2. All-Out North Korean/Chicom Attack

Transportation: Of the cargo coming into the theater, 90% would be delivered by sea. It would enter 50X5 ports - 50X5 50X5. The remaining 10% of cargo would be delivered by air, to 50X5. All cargo coming into ports would be handled by Terminal Service Companies, 80% of which would be Type B units.

Military Police: Approximately 89,200 prisoners and civilian internees would be expected. Of the allied military population, 1.1% would require confinement; 65% of which would be in stockades and the remainder in rehabilitation centers.

Engineers: Of the required general facilities, 85% would be available. Indigenous personnel would handle 44% of in-theater general construction. The following tasks would have to be accomplished: (1) Build 168 km of additional combat roads. (2) Rehabilitate 364 km of existing combat roads. (3) Build 8 defensive barriers (nuisance mines, demolition obstacles, scattered minefields, high density of demolition obstacles), and 28 deliberate field fortifications

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(cut and cover field emplacements, timber supported tactical wire, and overhead earth cover). (4) Maintain 3 Air Force heavy-lift airfields and 7 Air Force tactical support airfields, assuming an 8% damage factor. (5) Maintain 1271 km of rail lines and 168 250 ft railroad bridges and 1260 50 ft bridges, assuming, in both cases a 3% damage factor. (6) Build 114 km of POL pipeline. Maintain 649 km of pipeline (assumed to be constructed by FY 72) assuming a 5% damage factor.

Units which are excluded as not needed are shown above in Table A-1-2. POL, Medical and consumption assumptions are as indicated in the limited objective scenario.

A.3 Combat Modules

A second major input to the model was the tactical arrangement of the ROK forces, which included the number of divisions on line and the number and mix of combat battalions to be played in each case. This was specified by OASD(SA). A listing of the units included in each case is shown below:

TABLE A-1-3

COMBAT UNITS TO BE SUPPORTED

	<u>Number of Divisions</u>									
	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>	<u>16</u>	<u>18</u>	<u>20</u>	<u>23</u>	<u>28</u>	<u>30</u>
Infantry Bn.	63	81	99	117	135	153	171	198	243	261
Marine Regt.	3	3	3	3	3	3	3	3	3	3
Tank Bn.	10	10	10	10	10	10	10	10	10	10
Armored Cav. Sq.	8	10	12	14	16	18	20	23	28	30
F.A. Bn. 105 towed	24	30	36	42	48	54	60	69	84	90
F.A. Bn. 155 (Div) towed	8	10	12	14	16	18	20	23	28	30
F.A. Bn. 155 towed	10	10	10	10	10	10	10	10	10	10
F.A. Bn. 8-inch towed	7	7	7	7	7	7	7	7	7	7
A.D. Bn., AAA Aw 40mm	2	2	2	2	2	2	2	2	2	2
A.D. Bn., Hawk	2	2	2	2	2	2	2	2	2	2
A.D. Bn., Nike-Hercules	1	1	1	1	1	1	1	1	1	1
Corps Hq.	2	3	3	4	4	5	5	6	6	7

In each case it was assumed that there was one Marine division, made up of three regiments, and that the remainder of the divisions were Army infantry. This corresponds to the current case in which there is one ROK Marine division. The number of infantry battalions input to the model was then the normal 9 battalions per division. There was also assumed to be one armored cavalry squadron, three 105 mm How. Bns. (Towed), and one 155 mm How. Bn. (Towed) per division which is consistent with the current situation in the ROK Army. (The four Recon. companies in the ROK division were judged equal to an Armored Cav squadron.) The number of corps headquarters was determined based on the constraint of having no

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more than 4 divisions per corps headquarters. Currently there are 5 corps headquarters for 20 divisions.

The remainder of the combat module type units were set at their current actual level and were not allowed to vary based on the number of divisions used in each case. Corps artillery (ten 155mm How Bns. and seven 8-inch Bns), Armored capability (ten tank Bns.), and Air Defense (two Hawk bns., one Nike-Hercules bn., and two 40mm AAAA bns) remained constant throughout the exercise. This was done because it was felt that the current level is a minimum even for the 8 division case. Although additional combat units of this type would almost certainly be needed for cases with more divisions the problem was not addressed. We have tried instead to limit this study to the analysis of support requirements for mixes of the existing combat forces. A separate analysis of the requirements for modernizing and expanding the structure of the combat units does address the problem, however, and is currently under way. This, of course, means that the support levels resulting from this study do not include the possible support required by any additional artillery battalions which might be called for in the modernization study.

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TABLE A-1-4

THEATER INDEPENDENT RELATIONSHIPS

Code Number	Unit Name	U.S. TOE	Requirements Rationale
2	Hq HHC Theatre Army Hq	TDAR1W0ARAA	Input manually
3	AR 11 HHC Armd Cav Regt	17052650000	1 per Armd Cav Regt
4	Hq 11 Army	51001970000	1 per Field Army
5	IN 11 HHC Sep Lt Inf Bde	77102280000	1 per Sep Lt Inf Bde
6	IN 11 Corps	52001751000	1 per Corps
7	IN 11 HHC Am Div	67002150000	1 per Air Mobile Div
8	AR 11 HHC Div Hq Armd Div	17004650000	1 per Armored Div
9	AR 11 HHC Sep Armd Bde	17102250000	1 per Sep Arm Bde
10	AR 11 HHC Bde Hq Armd Div	17042360000	3 per Armored Div
11	IN 11 HHC Abn Div	57004360000	1 per Airborne Div
12	IN 11 HHC Div Hq Inf Div	07004360000	1 per Infantry Div
13	IN 11 HHC Abn Div Bde	57042060000	3 per Airborne Div
14	IN 11 HHC Bde Hq Inf Div	07042060000	3 per Infantry Div
15	IN 11 HHC Sep Inf Bde	07102260000	1 per Sep Inf Bde
16	IN 11 CO Long Range	07156280000	Input manually
17	IN 11 HHC Sep Abn Bde	57102260000	1 per Sep Abn Bde
18	IN 11 PLAZ Scout Dog	07167670000	Input manually
19	IN 11 HHC Abn sr Group	31106280000	.25 (20)
20	IN 11 CO Airborne SF	31107280000	Input manually
21	IN 11 DET SFDR, Abn Div	07167670000	1.0 (124) + 1.0 (142)
22	IN 11 HHC Div Hq Mech Div	37004060000	1 per Mech Inf Div
23	IN 11 HHC Am Div, Abn Bde	57042252000	3 per Air Mobile Div
24	IN 11 HHC Bde Hq Mech Div	37042250000	3 per Mech Inf Div
25	IN 11 HHC Sep Mech Bde	37102260000	1 per Sep Mech Inf Bde
26	FA 11 HHC Div Arty Hq	06302260000	1 per Armored Div 1 per Mech Inf Div 1 per Infantry Div 1 per Airborne Div
27	FA 11 HHC Div Arty Abn Div	06201260000	1 per Airborne Div
28	FA 11 HHC Arty GP Hq	06401260000	.167(926) + .167(927) + .167(928) + .167(929) + .167(930) + .167(931) + .167(932) + .167(933)
30	FA 11 HHC Corps Arty	06501260000	1 per Corps
31	FA 11 BTRY Av, Am Divarty	06702250000	1 per Air Mobile Div
32	FA 11 BTRY Searchlight	06552650000	1 per Corps
33	FA 11 HHC Arty Am Div	06701250000	1 per Air Mobile Div
34	FA 11 BN Target Acquisition	06752620000	1 per Corps
36	AD 11 HHC AD Arty Bde	44002260000	.04(925) + .04(935) + .04(936) + .04(937) + .04(939)
40	AD 11 HHC Group	44012270000	0.200(925) + 0.200(935) + 0.200(936) + 0.200(937) + 0.200(939)
49	AG 11 CO Admin Abn Div	12157660000	1 per Airborne Div
51	AG 11 CO Administration (Div)	12037660000	1 per Infantry Div 1 per Mech Inf Div 1 per Armored Div
55	AG 11 CO Admin Spt Comd Am Div	12077630000	1 per Air Mobile Div
57	AG 11 CO Pers SVC TT A	12067671000	Input manually
58	AG 11 CO Pers SVC TT B	12067672000	Input manually
60	AG 11 CO Pers SVC TT C	12067673000	Input manually
62	AG 11 CO Pers SVC TT D	12067674000	Input manually
64	AG 11 CO Pers SVC TT E	12067675000	Input manually
66	AG 11 BAND Army 42-Piece	12107681000	1.0(417)
70	AG 11 HED Pers/Admin (FASCOM)	12066072000	1.0(416) + 1.0(417)
72	AG 11 DET Admin SVC (FASCOM)	12570681000	1.0(416) + 1.0(417)
76	AG 11 DET Special SVC	12018270000	.25(964)
78	AG 11 DET Repl Reg	12560670066	1.0(964)
80	AG 11 DET Army Post Office	12550670066	1.0(964)
86	AG 11 CO Postal OS	12550670000	1.0(102)
88	AG 11 CO Repl Reg	12560070066	1.0(102)
89	AG 11 CO Special SVC	12018270066	1.0(102)
90	AG 11 AGENCY Pers and Admin	29112770000	1.0(102)
92	AG 11 HED Pers/Admin (ASCOM)	12066071000	1.0(415)
94	AG 11 DET Admin SVC (ASCOM)	12570672000	1.0(415)
102	AG 11 HHC Personnel Command	29011270000	1.0(418)
104	AS HHC Group	32052261000	1.0(4)
106	AS HHC Group (Aug)	32052210215	1.0(104)
107	AS 11 DET ASA Ssp Inf & Abn Bde	32057741000	1 per Sep Abn Bde 1 per Sep Inf Bde
108	AS HHC Battalion	32056660000	1.0(6)
109	AS 11 DET ASA S.F. Gp	32500031066	1.0(19)
110	AS CO Support, Inf Div	32057741000	1 per Infantry Div
112	AS CO Support, Armd/Mech Div	32057741000	1 per Mech Inf Div 1 per Armored Div
114	AS DET Support (ACH)	32057742000	1 per Armd Cav Regt 1 per Sep Mech Inf Bde 1 per Sep Arm Bde
116	AS CO Operations (A)	36067830000	1.0(6)
118	AS CO Processing	32077020000	1.0(104)
120	AS CO Security	32078010000	1.0(104)
121	AV 11 BN Aslt Hel Am Div	01152750000	2 per Air Mobile Div
122	AS CO Aviation	32067760000	1.0(104)
124	AV BN Type Aviation	01256060055	Input manually
125	AV 11 BN Aslt Spt Hel Am Div	01167750000	1 per Air Mobile Div
128	AV BN Div Support	01075660000	1 per Infantry Div
129	AV 11 BN Airborne Division	01055060000	1 per Airborne Div
130	AV CO Assault Helicopter	01077660000	Input manually
132	AV 11 CO Corps	01127680000	1.0(6)
134	AV 11 CO Aerial Survl	01127660000	1.0(6)
136	AV 11 CO Army	01137680000	1.0(4)

Code Number	Unit Name	U.S. FSC	Requirements Rationale
270	EM 11 SM Combat Army	0501060000	Number of units is dependent on factors unique to Korea
271	EM 11 CO Sep Inf Bde	0510705000	1 per Sep Inf Bde
272	EM 11 HHC Combat Cp	05010671000	$0.250(270) + 0.050(276) + 0.050(278) + 0.050(280)$
273	EM 11 CO Sep Lt Inf Bde	05107750000	1 per Sep Lt Inf Bde
274	EM CO LT Equip	05010670000	1.000(276)
275	EM 11 CO Lt Equip Airborne	05010670000	Input Manually
276	EM 11 CO Mobile Assault Bridge	05010671000	Number of units is dependent on factors unique to Korea
278	EM 11 CO Panel Bridge	05077070000	Number of units is dependent on factors unique to Korea
279	EM 11 TM Mt Ada Squad	05570070001	Input Manually
280	EM 11 CO Float Bridge	05070060000	Number of units is dependent on factors unique to Korea
281	EM 11 TM Mt Ada Liaison	05570070001	1.000(280)
282	EM 11 HHC HHC Combat Army	05110670000	$0.310(270)$
283	EM 11 TM Mt Ada Flt Bn	05570070001	$0.250(279)$
284	EM HHC Construction Brigade	05111070000	$0.313(286)$
285	EM 11 HHC Construction Group	05111070000	$0.200(290) + 0.040(294) + 0.040(300)$
286	EM 11 CO Construction Support	05111070000	1.000(286)
287	EM 11 AM Airborne (C)	05111070000	Input Manually
288	EM 11 AM Construction	05111070000	Number of units is dependent on factors unique to Korea
289	EM 11 CO Base Truck	05127060000	Input Manually
290	EM 11 CO Sep Mech/Armd Bde	05127060000	$1.000(272) + 1.000(286)$
291	EM 11 CO Port Construction	05129070000	1 per Sep Mech Inf Bde
292	EM 11 CO Sep Abn Bde	05137060000	Number of units is dependent on factors unique to Korea
293	EM 11 EM Armd/Mech Div	05137060000	1 per Sep Abn Bde
294	EM 11 EM Armd/Mech Div	05137060000	1 per Mech Inf Div
295	EM 11 EM Armd/Mech Div	05137060000	1 per Armd Div
296	EM 11 EM Armd/Mech Div	05137060000	1 per Mech Inf Div
297	EM 11 EM Armd/Mech Div	05137060000	1 per Air Mobile Div
298	EM 11 EM Armd/Mech Div	05137060000	1 per Tanker Div
299	EM 11 EM Armd/Mech Div	05137060000	1 per Airborne Div
300	EM 11 CO Pipeline Const Spt	05177060000	Number of units is dependent on factors unique to Korea
301	EM 11 HHC Construction Command	05201600000	1.000(418)
302	EM 11 HHC Construction Command	05201600000	1.000(418)
303	EM 11 CO 10th Corps	05201600000	1.000(418)
304	EM 44 HHC Base Troop Co	05346070000	Input Manually
305	EM 55 CO Base Production	05347080000	Input Manually
306	EM 55 CO Base Survey	05348090000	Input Manually
307	EM 55 CO Base Photomap	05349000000	Input Manually
308	EM 11 CO Water Supply	05510670000	$0.077(285)$
309	EM 11 TM FA Firefighting	05510670000	$0.050(284)$
310	EM 11 TM FA Firefighting	05510670000	1.000(280)
311	EM 11 TM FA Firefighting	05510670000	Input Manually
312	EM 11 TM FA Firefighting	05510670000	1.000(4)
313	EM 11 TM FA Firefighting	05510670000	1.000(4)
314	EM 11 TM FA Firefighting	05510670000	1.000(4)
315	EM 11 TM FA Firefighting	05510670000	1.000(4)
316	EM 11 TM FA Firefighting	05510670000	1.000(4)
317	EM 11 TM FA Firefighting	05510670000	1.000(4)
318	EM 11 TM FA Firefighting	05510670000	1.000(4)
319	EM 11 TM FA Firefighting	05510670000	1.000(4)
320	EM 11 TM FA Firefighting	05510670000	1.000(4)
321	EM 11 TM FA Firefighting	05510670000	1.000(4)
322	EM 11 TM FA Firefighting	05510670000	1.000(4)
323	EM 11 TM FA Firefighting	05510670000	1.000(4)
324	EM 11 TM FA Firefighting	05510670000	1.000(4)
325	EM 11 TM FA Firefighting	05510670000	1.000(4)
326	EM 11 TM FA Firefighting	05510670000	1.000(4)
327	EM 11 TM FA Firefighting	05510670000	1.000(4)
328	EM 11 TM FA Firefighting	05510670000	1.000(4)
329	EM 11 TM FA Firefighting	05510670000	1.000(4)
330	EM 11 TM FA Firefighting	05510670000	1.000(4)
331	EM 11 TM FA Firefighting	05510670000	1.000(4)
332	EM 11 TM FA Firefighting	05510670000	1.000(4)
333	EM 11 TM FA Firefighting	05510670000	1.000(4)
334	EM 11 TM FA Firefighting	05510670000	1.000(4)
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339	EM 11 TM FA Firefighting	05510670000	1.000(4)
340	EM 11 TM FA Firefighting	05510670000	1.000(4)
341	EM 11 TM FA Firefighting	05510670000	1.000(4)
342	EM 11 TM FA Firefighting	05510670000	1.000(4)
343	EM 11 TM FA Firefighting	05510670000	1.000(4)
344	EM 11 TM FA Firefighting	05510670000	1.000(4)
345	EM 11 TM FA Firefighting	05510670000	1.000(4)
346	EM 11 TM FA Firefighting	05510670000	1.000(4)
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348	EM 11 TM FA Firefighting	05510670000	1.000(4)
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351	EM 11 TM FA Firefighting	05510670000	1.000(4)
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381	EM 11 TM FA Firefighting	05510670000	1.000(4)
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386	EM 11 TM FA Firefighting	05510670000	1.000(4)
387	EM 11 TM FA Firefighting	05510670000	1.000(4)
388	EM 11 TM FA Firefighting	05510670000	1.000(4)
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390	EM 11 TM FA Firefighting	05510670000	1.000(4)
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396	EM 11 TM FA Firefighting	05510670000	1.000(4)
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400	EM 11 TM FA Firefighting	05510670000	1.000(4)
401	EM 11 TM FA Firefighting	05510670000	1.000(4)
402	EM 11 TM FA Firefighting	05510670000	1.000(4)
403	EM 11 TM FA Firefighting	05510670000	1.000(4)
404	EM 11 TM FA Firefighting	05510670000	1.000(4)
405	EM 11 TM FA Firefighting	05510670000	1.000(4)

Code Number	Unit Name	U.S. TOE	Requirements Rationale
408	JA 11 TW JO Labor Relations	2750052001	1.000(418)
410	JA 11 TW G3 War Crims	2750052001	0.200(411)
411	JA 11 TW G4 War Crims Issues	2750052001	2.000(2) + 3.000(4) - 1.000(7) + 1.000(8) + 1.000(11) + 1.000(12) = 1.000(22)
412	LC 11 HMC Area Spt Op	5442270000	1.000(567)
413	LC 11 HMC S + M CDR/ADM	5431270000	1.000(416)
414	LC 11 HMC PASCOM Hq	5401270000	1.000(4)
415	LC 11 HMC Area Spt Command	5440270000	1.000(418)
416	LC 11 HMC Sps Bde Hq (ARMP)	5400270000	1.000(4)
417	LC 11 HMC Spt Bde Hq (Course)	5400270000	1.000(6)
418	LC 11 HMC SPT/COM	5400270000	1.000(2)
419	MD 11 BN An Div	0802770000	1 per Air Mobile Div
420	MD 11 BN Div	0802560000	1 per Infantry Div 1 per Mech Inf Div 1 per Armored Div 1 per Airborne Div
421	MD 11 BN Alphas Div	0802560000	2.000(6)
422	MD 11 CO Holding	0802770000	1.000(418)
424	MD 11 HMC ME Cnd	0811270000	1.000(414)
426	MD 11 HMC S	0811270000	2.000(6) + 0.333(7) + 0.333(8) + 0.333(11) + 0.333(12) = 0.333(22)
428	MD 11 HMC Op	0811270000	0.143(422) + 0.143(432) + 0.143(434) + 0.143(436) + 0.046(444) + 0.046(448) + 0.046(450) + 0.046(452) + 0.046(454) = 1.000(430) + 1.000(424)
430	MD 11 HMC S	0811270000	1.000(6) + 1.333(7) + 1.333(8) + 1.333(11) + 1.333(12) + 1.333(22)
432	MD 11 CO Ambulance	0811270000	2.000(6)
434	MD 11 Train Amb Btl	0811270000	1.000(6)
436	MD 11 CO Clearing	0811270000	1.000(6)
438	MD 11 CO Collecting	0811270000	1.000(6)
440	MD 11 CO Air Ambulance	0811270000	1 per Arm Cav Regt 0.400(96)
442	MD 11 CO Arm Cav Regt	0811270000	1.000(484) + 1.000(486)
444	MD 11 HMC S	0800270000	0.200(310) + 0.020(311) + 0.020(312) + 0.020(313) + 0.020(314) + 0.075(316)
446	MD 11 HMC S	0800270000	1.000(6)
448	MD 11 HMC S	0800270000	1.000(6)
450	MD 11 HMC S	0800270000	3.000(6)
452	MD 11 HMC S	0800270000	0.100(466) + 0.100(468) + 0.100(470)
454	MD 11 HMC S	0800270000	0.333(446) + 0.333(448)
456	MD 11 HMC S	0800270000	1.000(6) + 2.000(486)
458	MD 11 HMC S	0800270000	0.083(472) + 0.083(476)
460	MD 11 HMC S	0800270000	1.000(244)
462	MD 11 HMC S	0800270000	2.000(426)
464	MD 11 HMC S	0800270000	10.000(6)
466	MD 11 HMC S	0800270000	2.000(6)
468	MD 11 HMC S	0800270000	2.000(426)
470	MD 11 HMC S	0800270000	0.257(466)
472	MD 11 HMC S	0800270000	.250(566)
474	MD 11 HMC S	0800270000	9.333(366)
476	MD 11 HMC S	0800270000	Input Manually
478	MD 11 HMC S	0800270000	1.000(978)
480	MD 11 HMC S	0800270000	.500(444) + .125(342)
482	MD 11 HMC S	0800270000	1.000(444) + .250(342)
484	MD 11 HMC S	0800270000	1.000(444) + .250(342)
486	MD 11 HMC S	0800270000	1.333(46)
488	MD 11 HMC S	0800270000	.533(366)
490	MD 11 HMC S	0800270000	2.000(444) + .250(342)
492	MD 11 HMC S	0800270000	1.000(444) + .100(342)
494	MD 11 HMC S	0800270000	.500(444) + .125(342)
496	MD 11 HMC S	0800270000	.500(444) + .125(342)
498	MD 11 HMC S	0800270000	Input Manually
500	MD 11 HMC S	0800270000	1.000(6)
502	MD 11 HMC S	0800270000	.333(444) + .042(342)
504	MD 11 HMC S	0800270000	.333(7) + .333(8) + .333(11) + .333(12) + .333(22)
506	MD 11 HMC S	0800270000	1.000(54)
508	MD 11 HMC S	0800270000	Number of units is dependent on factors unique to Korea
510	MD 11 HMC S	0800270000	unique to Korea
512	MD 11 HMC S	0800270000	Number of units is dependent on factors unique to Korea
514	MD 11 HMC S	0800270000	Number of units is dependent on factors unique to Korea
516	MD 11 HMC S	0800270000	Number of units is dependent on factors unique to Korea
518	MD 11 HMC S	0800270000	1 per Infantry Div 1 per Mech Inf Div 1 per Airborne Div 1 per Air Mobile Div 1 per Armored Div 2 per Infantry Div 2 per Mech Inf Div 2 per Airborne Div 2 per Armored Div
520	MD 11 HMC S	0800270000	1.000(446)
522	MD 11 HMC S	0800270000	1.000(446) + .333(446)
524	MD 11 HMC S	0800270000	1.000(426)
526	MD 11 HMC S	0800270000	5.000(2) + 1.000(4) + 1.000(6) + 1.000(8) + 1.000(12) + 1.000(22)
528	MD 11 HMC S	0800270000	1.000(4)
530	MD 11 HMC S	0800270000	Input Manually
532	MD 11 HMC S	0800270000	1 per Arm Cav Regt 1 per Sep Inf Bde 1 per Sep Mech Inf Bde 1 per Sep Arm Bde 1 per Armored Div 1 per Airborne Div 1 per Infantry Div 1 per Mech Inf Div 1 per Armored Div 1 per Air Mobile Div
534	MD 11 HMC S	0800270000	1.000(2)
536	MD 11 HMC S	0800270000	1.000(4)
538	MD 11 HMC S	0800270000	1.000(4)
540	MD 11 HMC S	0800270000	1.000(415)