

Code Number	Unit Name	U.S. TOE	Requirements Rationale
541	MI 11 CO Stry	3005700000	1,000(412)
542	MI 11 DET CMT Record Fac	3005800000	1,000(500)
543	MI 11 CP XI Co, Theater Army	3005900000	1,000(2)
544	MI 11 DET INTEL SP GP	3006000000	1,000(15)
545	MI 11 DET Casualty	3006100000	1,000(265)
546	MI 11 CO Abn Div	1502700000	1 per Airborne Div
547	MI 11 CO Div Bde	1502700000	1 Det Infantry Div
548	MI 11 CO Div Bde	1502700000	1 per Mech Inf Div
549	MI 11 CO Div Bde	1502700000	1 per Armored Div
550	MI 11 CO Div Bde	1502700000	1 per Air Mobile Div.
551	MI 11 CO Div Bde	1502700000	Input Manually
552	MI 11 CO Div Bde	1502700000	1,000(2) + 1,000(4) + 1,000(6) + 1,000(414) + 1,000(418) + 3,500(7) + 3,500(8) + 3,500(11) + 3,500(12) + 3,500(22) + 1,000(415) + 1,000(416)
553	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
554	MI 11 CO Div Bde	1502700000	1,000(250) + 1,000(600) + 1,000(601)
555	MI 11 CO Div Bde	1502700000	1,000(415) + 3,000(504) + 2,000(570) + 1,000(576) + 1,000(580)
556	MI 11 CO Div Bde	1502700000	1,000(510) + 1,000(522)
557	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
558	MI 11 CO Div Bde	1502700000	1,000(415) + 1,000(414)
559	MI 11 CO Div Bde	1502700000	Input Manually
560	MI 11 CO Div Bde	1502700000	1,000(504) + 250(508) + 250(500) + 250(502)
561	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
562	MI 11 CO Div Bde	1502700000	.385(260)
563	MI 11 CO Div Bde	1502700000	.250(250) + .250(260)
564	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
565	MI 11 CO Div Bde	1502700000	1,000(415)
566	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
567	MI 11 CO Div Bde	1502700000	1,000(102)
568	MI 11 CO Div Bde	1502700000	1,000(412) + 1,000(417)
569	MI 11 CO Div Bde	1502700000	Input Manually
570	MI 11 CO Div Bde	1502700000	1,000(415) + 1,000(414)
571	MI 11 CO Div Bde	1502700000	Input Manually
572	MI 11 CO Div Bde	1502700000	.500(590)
573	MI 11 CO Div Bde	1502700000	.400(591)
574	MI 11 CO Div Bde	1502700000	.250(594) + .250(598) + .250(600) + .250(602)
575	MI 11 CO Div Bde	1502700000	.250(595) + .250(601) + .250(603)
576	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
577	MI 11 CO Div Bde	1502700000	1,500(594)
578	MI 11 CO Div Bde	1502700000	.115(821) + .115(822) + .115(823) + .115(824) + .066(825) + .133(826) + .133(827) + .099(828) + .099(829) + .133(830)
579	MI 11 CO Div Bde	1502700000	.016(831) + .016(832) + .016(833) + .016(834) + .016(835) + .016(836) + .016(837) + .016(838) + .016(839) + .016(840)
580	MI 11 CO Div Bde	1502700000	.016(841) + .016(842) + .016(843) + .016(844) + .016(845) + .016(846) + .016(847) + .016(848) + .016(849) + .016(850)
581	MI 11 CO Div Bde	1502700000	2,000(600)
582	MI 11 CO Div Bde	1502700000	.051(921) + .051(922) + .051(923) + .051(924) + .051(925) + .051(926) + .051(927) + .051(928) + .051(929) + .051(930)
583	MI 11 CO Div Bde	1502700000	.051(931) + .051(932) + .051(933) + .051(934) + .051(935) + .051(936) + .051(937) + .051(938) + .051(939) + .051(940)
584	MI 11 CO Div Bde	1502700000	.567(600)
585	MI 11 CO Div Bde	1502700000	1,000(416)
586	MI 11 CO Div Bde	1502700000	1,000(228)
587	MI 11 CO Div Bde	1502700000	0,333(924) + 0,667(922) + 0,667(925) + 0,667(929)
588	MI 11 CO Div Bde	1502700000	1,000(417)
589	MI 11 CO Div Bde	1502700000	0,250(610)
590	MI 11 CO Div Bde	1502700000	1,000(417)
591	MI 11 CO Div Bde	1502700000	Input Manually
592	MI 11 CO Div Bde	1502700000	1,000(4) + 1,000(414) + 1,000(418)
593	MI 11 CO Div Bde	1502700000	1,000(6) + 1,000(414) + 1,000(418)
594	MI 11 CO Div Bde	1502700000	1,000(3) + 7,000(4) + 2,000(7) + 2,000(8) + 2,000(11) + 2,000(12) + 2,000(22) + 3,000(414) + 2,000(418)
595	MI 11 CO Div Bde	1502700000	1,000(2)
596	MI 11 CO Div Bde	1502700000	Input Manually
597	MI 11 CO Div Bde	1502700000	1,000(2)
598	MI 11 CO Div Bde	1502700000	1,000(2)
599	MI 11 CO Div Bde	1502700000	1,000(2)
600	MI 11 CO Div Bde	1502700000	1,000(4)
601	MI 11 CO Div Bde	1502700000	Input Manually
602	MI 11 CO Div Bde	1502700000	1 per Infantry Div
603	MI 11 CO Div Bde	1502700000	1 per Mech Inf Div
604	MI 11 CO Div Bde	1502700000	1 per Airborne Div
605	MI 11 CO Div Bde	1502700000	1 per Air Mobile Div
606	MI 11 CO Div Bde	1502700000	1 per Armored Div
607	MI 11 CO Div Bde	1502700000	1 per Sig Inf Bde
608	MI 11 CO Div Bde	1502700000	1 per Sig Mech Inf Bde
609	MI 11 CO Div Bde	1502700000	1 per Sig Abn Bde
610	MI 11 CO Div Bde	1502700000	1 per Sig Armd Bde
611	MI 11 CO Div Bde	1502700000	1 per Sig Inf Bde
612	MI 11 CO Div Bde	1502700000	1,000(6)
613	MI 11 CO Div Bde	1502700000	Input Manually
614	MI 11 CO Div Bde	1502700000	0,200(635)
615	MI 11 CO Div Bde	1502700000	Input Manually
616	MI 11 CO Div Bde	1502700000	0,125(642) + 0,125(740)
617	MI 11 CO Div Bde	1502700000	0,125(644) + 0,125(730)
618	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
619	MI 11 CO Div Bde	1502700000	Number of units is dependent on factors unique to Korea.
620	MI 11 CO Div Bde	1502700000	0,200(548)
621	MI 11 CO Div Bde	1502700000	0,200(550)
622	MI 11 CO Div Bde	1502700000	0,500(8) + 0,500(12) + 0,500(22) + 1,000(6)
623	MI 11 CO Div Bde	1502700000	1,000(414)
624	MI 11 CO Div Bde	1502700000	1,000(11) + 1,000(418)
625	MI 11 CO Div Bde	1502700000	1,000(651) + 1,000(652)
626	MI 11 CO Div Bde	1502700000	
627	MI 11 CO Div Bde	1502700000	
628	MI 11 CO Div Bde	1502700000	
629	MI 11 CO Div Bde	1502700000	
630	MI 11 CO Div Bde	1502700000	
631	MI 11 CO Div Bde	1502700000	
632	MI 11 CO Div Bde	1502700000	
633	MI 11 CO Div Bde	1502700000	
634	MI 11 CO Div Bde	1502700000	
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653	MI 11 CO Div Bde	1502700000	
654	MI 11 CO Div Bde	1502700000	

Code Number	Unit Name	UN TFC	Requirements National
655	CM 11 CO Air Equip Spt Co Abn	10337060000	1 per Airborne Div
656	CM 11 CO Laundry - Sewer	10437080000	1-333(260)
658	CM 11 DET M Sales, Mobile	10500078000	7,000(416) + 7,000(417)
660	CM 11 DET M Sales, Semi-Mobile	10500078000	1,000(416) + 1,000(417)
662	CM 11 DET M Sales, Supply	10500078000	1,000(416)
663	CM 11 DET Bldg Det (M/MS/BC)	10500078000	Input Manually
664	CM 11 DET Dry Cleaning	10500078000	1,000(505)
666	CM 11 DET Laundry	10500078000	Input Manually
668	CM 11 DET Clothing EK + Meth	10500078000	1,000(638)
670	CM 11 DET M Petrol Lab Mobile	10500078000	1 per Corps
672	CM 11 M Corp	11015080000	Input Manually
673	CM 11 CO Construction	11026500000	0.250(678)
674	CM 11 M Construction Bn	11026500000	1 per Armored Div
676	CM 11 M Div Support	11036500000	1 per Mech Inf Div 1 per Infantry Div 0.350(7) + 0.100(23) + 0.350(173)
677	CM 11 M AM Div	11209750000	Input Manually
678	CM 11 M Army Comd Sig Bnd - Cab	11075071000	0.350(11) + 0.100(13) + 0.350(171)
679	CM 11 M Arm Div	11085080000	0.460(232)
680	CM 11 M Combat Arm	11247080000	0.250(20)
681	CM 11 CO Abn BV Group	11099070000	Input Manually
682	CM 11 M Army Comd Operations	11108070000	0.125(678) + 0.125(680) + 0.125(706)
683	CM 11 MOC Fld Army Sig Bn	11117070000	Input Manually
684	CM 11 CO Support	11117070000	0.143(702) + 0.143(704) + 0.143(708)
685	CM 11 MOC Gp Th Army W/Av	11120070000	1,000(36) + 1,000(154) + 1,000(414)
686	CM 11 CO Signal M Co	11120070000	2,000(608)
687	CM 11 CO Comms Operations	11120070000	1,000(102) + 1,000(260) + 1,000(416) + 1,000(417) + 1,000(417) + 1,000(638) + 1,000(716)
688	CM 11 CO Small M Co	11147070000	Input Manually
689	CM 11 MOC Th Area Sig Op Comd	11302760000	Input Manually
690	CM 11 CO Radio Operations	11302760000	1,000(2) + 1,000(418) + 1,000(716)
691	CM 11 CO Large M Operations	11302760000	0.200(680)
692	CM 11 CO Cable Center	11302760000	0.200(680)
693	CM 11 M Operations	11302760000	0.200(680)
694	CM 11 MOC Cable Const Bn	11302760000	0.090(701)
695	CM 11 CO Messenger	11358070000	Input Manually
696	CM 11 CO Troop (Light)	11358070000	0.200(680)
697	CM 11 CO Troop (Heavy)	11358070000	Input Manually
698	CM 11 CO Platoon	11358070000	Input Manually
699	CM 11 CO Strategic Command	11358070000	Input Manually
700	CM 11 DET Mobile Broadcasting	11500021100	1,000(418)
701	TC 11 MOC Transportation Comd	25000070000	0.150(717)
702	TC 11 MOC Command Maintenance	25000070000	1,000(418)
703	TC 11 ACFT Movement Control	25000070000	1,000(418)
704	TC 11 MOC Mov Con Cntr (TABCOM)	25000070000	1,000(417)
705	TC 11 MOC MOC Trans Gp	25000070000	0.333(727) + 0.200(730) + 0.200(734) + 0.200(742) + 0.200(744) + 0.200(752)
706	TC 11 MOC MOC Trans (TABCOM)	25000070000	0.200(737) + 0.200(738) + 0.200(743) + 0.200(745) + 0.200(754)
707	TC 11 MOC MOC Trans (TABCOM)	25000070000	0.410(176) + 0.410(184) + 0.410(186)
708	TC 11 CO Main Trk Patr. (FWD)	25018060000	0.333(642) + 0.333(644)
709	TC 11 CO Main Trk Cargo (DIV)	25018060000	0.333(176) + 0.333(184) + 0.333(186)
710	TC 11 CO Main Trk Cargo (REAR)	25018060000	Number of units is dependent on factors unique to Korea
711	TC 55 CO Main Trk Cargo (REAR)	25018060000	Number of units is dependent on factors unique to Korea
712	TC 11 CO Heavy Truck (REAR)	25028060000	Number of units is dependent on factors unique to Korea
713	TC 11 CO Main Trk Reoctr	25018060000	Number of units is dependent on factors unique to Korea
714	TC 11 CO Main Trk Patr. (REAR)	25018060000	Number of units is dependent on factors unique to Korea
715	TC 11 CO Car (FWD)	25018060000	1,000(4) + 1,000(6)
716	TC 55 CO Car (REAR)	25018060000	1,000(418)
717	TC 11 CO Heavy Truck (FWD)	25028060000	Number of units is dependent on factors unique to Korea
718	TC 11 CO Heavy Truck (REAR)	25028060000	0.030(902) + 0.030(904) + 0.030(906) + 0.030(907) + 0.030(908) + 0.030(909) + 0.030(910) + 0.030(911) + 0.030(912)
719	TC 11 CO Trk Carrier	25047750000	Input Manually
720	TC 11 MOC MOC	25066080000	1,000(189)
721	TC 11 CO MOC MOC	25066080000	2,000(176) + 2,000(184) + 2,000(186)
722	TC 11 CO MOC MOC	25066080000	1,000(260)
723	TC 11 CO MOC MOC	25066080000	1,000(412)
724	TC 11 CO MOC MOC	25066080000	0.250(758)
725	TC 11 MOC Terminal Bn	25116080000	0.200(760) + 0.200(762) + 0.200(766) + 0.200(768) + 0.200(770) + 0.200(772) + 0.200(776)
726	TC 11 CO Terminal Service	25117060000	Number of units is dependent on factors unique to Korea
727	TC 55 CO Terminal Service	25117060000	Number of units is dependent on factors unique to Korea
728	TC 11 CO Terminal TRP (TABCOM)	25118060000	1,000(417)
729	TC 11 CO Terminal TRP (TABCOM)	25118060000	1,000(418)
730	TC 11 CO Medium Boat	25128070000	Number of units is dependent on factors unique to Korea
731	TC 11 CO Heavy Boat	25128070000	Number of units is dependent on factors unique to Korea
732	TC 11 CO Light Amphibious	25138080000	Number of units is dependent on factors unique to Korea
733	TC 11 CO Medium Amphibious	25139070000	Number of units is dependent on factors unique to Korea
734	TC 11 CO Flg Craft Co	25158080000	0.090(776) + 0.250(768) + 0.027(770) + 0.028(772)
735	TC 11 MOC Railway Group	25202080000	0.333(780)
736	TC 55 MOC Railway	25225080000	Input Manually
737	TC 55 Diesel LOC Repair	25247080000	Input Manually
738	TC 55 CO RT Car Rev Gen Spt	25247080000	Input Manually
739	TC 11 CO Acrt Div Spt	25457080000	1,000(967) + 1,000(968)
740	TC 11 CO Acrt Maint Co (FWD)	25457080000	1,000(969)
741	TC 11 MOC Acrt Maint - Sup AM B	25457080000	0.201(907) + 0.068(983) + 0.003(419) + 0.019(780) + 0.021(79) + 0.039(31) + 0.422(121) + 0.106(125) + 0.048(153)

Code Number	Unit Name	NA 700	Requirement Rationale
730	TC 11 CO Soft Maint Co (SMA)	5540070000	1,000(770)
732	TC 11 CO PLS Craft + Maint	5550000006	Input Manually
733	TC 11 TM KA Acti RPA Aug	5570000001	2,000(530)
734	TC 11 TM CG RNY RPA FT (OO)	5580000001	Input Manually
736	TC 11 DTR JD Tran Contr Dep	5590000001	Input Manually
738	TC 11 DTR JI Cargo Dep	5590000001	Input Manually
739	TC 11 TM PW 27A Amph LANC-LX	5590000001	Number of units is dependent on factors unique to Korea
800	TC 11 TM OF PLS 1st Pt CP	5590000001	Input Manually
802	TC 11 DTR Amph Maint Spt	5590000001	1,000(770) + 1,000(770)
901	IN NW Infantry		Input Manually
902	IN Marine Regt.		Input Manually
903	IN NW Airborne Infantry	0702060000	Input Manually
904	IN NW Airborne Infantry	0702061000	Input Manually
905	AN NW Tank	1702060000	Input Manually
906	AN CAV Bde		Input Manually
907	AN CAV Bde, Airborne Div	1702060000	Input Manually
908	AN CAV Bde, Airborne Div	1707060000	Input Manually
909	AN CAV Trp, Sep I/A/Armd Bde	1717060000	Input Manually
910	AN CAV Trp, Sep 2d Inf Bde	1717060000	Input Manually
911	AN CAV Trp, Sep 3d Inf Bde	1727060000	Input Manually
912	AN CAV sqdn (ACH)	1702061000	Input Manually
913	AN CAV Troop, Air (ACH)	1702060000	Input Manually
914	PA NW 105 TOAD (Inf)		Input Manually
915	PA NW 105 TOAD (AM Div)	0670070000	Input Manually
916	PA NW 105 TOAD Sep Inf Bde	0618060000	Input Manually
917	PA NW 105 TOAD Sep Abn Bde	0618060000	Input Manually
918	PA NW 105 T Sep 1st Inf Bde	0618060000	Input Manually
919	PA NW 105 T Sep 2nd Inf Bde	0636060000	Input Manually
920	PA NW 105 T Sep 3rd Inf Bde	0637060000	Input Manually
921	PA NW 105 Towad		Input Manually
922	PA NW 105 Towad (Div)	0617060000	Input Manually
923	AV 11 CO Aerial Weapons	0111070000	Input Manually
924	AN 11 TM CHASOVAL-VULCAN	4432060000	Input Manually
925	AN 11 TM MSH (Mobile)	4432060000	Input Manually
926	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
927	PA NW 105 Towad		Input Manually
928	PA NW 105 T (Non-Div)	0649070000	Input Manually
929	PA NW 105 Towad		Input Manually
930	PA NW 105 T (Non-Div)	0649070000	Input Manually
931	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
932	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
933	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
934	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
935	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
936	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
937	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
938	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
939	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
940	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
941	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
942	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
943	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
944	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
945	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
946	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
947	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
948	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
949	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
950	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
951	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
952	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
953	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
954	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
955	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
956	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
957	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
958	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
959	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
960	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
961	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
962	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
963	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
964	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
965	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
966	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
967	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
968	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
969	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
970	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
971	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
972	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
973	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
974	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
975	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
976	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
977	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
978	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
979	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
980	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
981	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
982	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
983	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
984	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
985	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
986	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
987	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
988	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
989	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
990	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
991	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
992	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
993	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
994	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
995	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
996	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
997	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
998	PA NW 105 Towad (Non-Div)	0649070000	Input Manually
999	PA NW 105 Towad (Non-Div)	0649070000	Input Manually

~~SECRET~~

APPENDIX B

USE AND ADAPTION OF THE MODEL

B.1 General

Since the model was designed for US units, there were many difficulties in applying it to ROK units. The data bank of the Modular Force Planning System describes the G-Series, TASTA - oriented US Army of the 1970's, while the ROKA structure is based upon regiment and technical service concepts.

Some of these differences were eliminated by replacing the TOEs and the consumption requirements of all US combat battalions in the model with those of their ROK counterparts. This assured that the support package which was generated was that needed to support ROK not US units, but it was still given in terms of US support units. It also assumed that ROK support units need to be supported at the same level as US support units, since, given the time constraints, it was not possible to similarly modify all of the interrelationships between support units.

Step 1: The ROK TOEs for combat modules, the required mix of combat modules, the consumption data, etc., were entered into the model. It was then allowed to run until the approximate requirements to support the combat units were derived. These requirements were labeled "support to combat modules".

Step 2: These units were reviewed by OASD(SA) in order to eliminate all types of support units not required by ROK forces. Deleted units included amphibious companies, heavy and medium boat companies, military history detachments, etc. In general, they were eliminated only when it was obvious that neither the US nor the ROKs would consider them necessary in Korea.

Step 3: Next, the support to combat units requirement was further reduced to account for the existing ROK support capability. The entire ROK capability could not be considered available to support combat units since some proportion would have to support support units instead. To determine this support to combat unit/support to supporter mix, the US ratio for that type unit was used.

This is best illustrated by an example. Suppose in a US Army troop list that two medium truck companies were required in support of support troops for every four companies required in support of combat troops. This same ratio (4/6) was then used to isolate the capability of ROK force structure to support combat troops. If they had a total of 12 units, it was assumed that 8 were available to support combat units. Thus, if the model indicated that 14 US truck companies were needed to support the combat battalions of a given case, this approach said that an augmentation of $14 - \left[\frac{4}{4+2} \times 12 \right] = 14 - 8 = 6$ truck companies were required for combat module support. If the ratio resulted in a fractional ROK capability (i. e., 7 1/3 units) it was always rounded up. This was based on the belief that ROK units would probably require less support to supporter capability than US units, since the ROK Army does not provide or require many of the rear area services found in a US theater of operations.

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Step 4: Once the requirement was reduced by the existing ROK capability, the units still remaining were the augmentation required to support ROK combat units and support to supporters. The troop lists describing the augmentation required in each case are discussed in Appendix C.

B.2 Strength and Capability of Current ROK Units

The most detailed information regarding the current ROK Army structure is contained in the ROK Army Troop list for CY 68. We used this document extensively. Since the Military Assistance Plan for Korea contains more recent information, however, all figures were checked against it, with discrepancies settled in favor of the MAP plan. ROK TOEs were used only to clarify the mission and capability of various units, since most were published prior to 1965.

In addition to simply determining the number and strength of existing ROK units, an attempt was also made to classify these units systematically to facilitate the analysis of the existing force and the structuring of alternative forces.

First, all units were classified as either division forces, special mission forces, or general support forces. The definitions used in making this breakdown were essentially as given in the US Army and Marine Corps Land Force Classification System, although division forces were defined as field army division slices instead of theater army division slices. The above breakdown was made in order to identify the three primary groups of units.

Division forces, for instance, include all those units in the field army area that are required to conduct operations. This includes not only the divisions, but all other combat and support units as well. Special mission forces, on the other hand, are assigned specific, special missions and the size and number of these units is totally unrelated to the size of the division forces. General support forces are those which provide administrative and logistics support to both divisions and special mission forces. In determining current ROKA capability to support combat units, only support units classified as part of the division forces were included. This assumption puts the ROK structure on an equivalent basis with US structure since the Modular Force Planning Model consists of only those units which are part of Division Forces.

Within the division forces, special mission forces, and general support forces breakdown, units were further grouped into force packages based on common missions. For example, all Air Defense units are in one package no matter where they are located, while all units which have a mission of defending the East Coast approach to the DMZ are grouped in another package. We believe this packaging is essential for structuring a force in detail. The packaging is done by grouping units with common missions, and in structuring a force, the real determinants of whether or not a unit is necessary is the need for it in accomplishing a specific mission.

Finally, all units were classified on a functional basis. This breakdown is useful for gaining an insight into major weaknesses in ROK capability, while

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at the same time allowing a summary look at the general skills which might be required in augmenting units.

See Table B-1 on the following page for a listing of current ROK units.

B.3 Assumptions

There were many assumptions required in adapting the Modular Force Planning Model to the ROK forces. Probably the most important was our use of US relationships and US support unit characteristics in determining the support required by ROK support units. Obviously, however, ROK units are not exactly like US units either in the support they are able to provide or in the support they themselves require. Many of the ROK TOEs are patterned after those of their US counterparts, however, so the assumption may not be too bad. In any event, the fact that ROK units both require less and are capable of giving less support than US units should mean that the number of units required is relatively accurate since these differences tend to offset each other.

Secondly, we have assumed that the ROK Army will have support to combat/support to supporter ratios that are similar to those of the US Army. Given the fact that the ROK Army has never provided nor apparently required many of the rear area services found in a US theater of operations, this assumption might result in a larger support base than is actually needed. On the other hand, if ROK forces do fight with a great deal of aggressiveness, as we would hope they would, some of this support might be necessary and our military assistance plan expenditures would be justified.

We have also assumed that there is a meaningful distinction between units supporting combat units and units supporting supporters. Although we examined the list of all units carefully in making this distinction, there are some units that simply serve both groups, and small errors may have been introduced because of this. This process of separating support to combat units from support to supporters was aimed at avoiding developing a support requirement for the ROKs that was excessive simply because it was based on the extremely heavy US support structure. Although problems were introduced by making this separation, it was felt that the answer obtained by doing so was more accurate than using the model without modification.

Although the results of this study certainly must be qualified because of the above assumptions, we still believe, however, that it is a good first approximation of the overall size of support augmentation required by the ROK forces. Because it was patterned so clearly after the US support structure, however, any errors are probably on the side of extra support requirements. Although detailed troop lists were derived for each case, we do not claim that they are accurate. They do, however, provide an idea of the possible requirements in the various functional areas.

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FORM B-1
 HOW ARMY: Units by Force Package

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	DIVISION FORCES				SPECIAL MISSION FORCES							GENERAL SUPPORT FORCES							Total All Forces		
	West.	East.	Cent.	Res.	Attached to US 195F	Total US Div. Forces	Air Def.	CMC	III MDC	V MDC	VI MDC	Intel.	Commo.	Spec. Miss.	Train.	Log.	Supt. Comd.	Gen. Supt.			
STRUCTURE SPACES																					
Aggregate strength	54,119	31,766	120,135	65,007	14,751	305,778	38,106	343,882	0	0	0	0	0	0	0	0	0	0	0	343,882	
Division Forces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60,960	
Special Mission Forces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60,960	
General Support Forces	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60,960	
Total Spaces	54,119	31,766	120,135	65,007	14,751	305,778	38,106	343,882	5,317	10,702	10,127	14,915	12,626	3,321	1,932	60,960	25,124	29,992	7,420	10,938	73,477
CONTROLLED UNITS																					
Divisions	3	3	7	3	1	17	2	19												19	
Active Infantry Reserve																				7	
Infantry (RAD)									1	1	2	3								3	
Infantry (IR)									1	1	1									3	
Separate Brigades Active Armored						2	2													2	
Cavalry Regiments												1								1	
Special Forces Cpt																				1	
Maneuver Units Active	9	9	21	9	3	51	6	57												57	
Infantry Regts	1	2	4	1	9	9	9	9								1				10	
Task Bde																					
Reserve Infantry Regts																					
Cavalry Squadrons																					
Field Actly Units Active	9	9	21	9	3	51	6	57												57	
105 mm How Bde	3	3	12	3	1	16	3	19												19	
155 mm How Bde																				1	
155 mm Gun Bde																				5	
8" How Bde	1	1	2	1	1	5	1	5												19	
4.2" Stryp's	1	3	7	3	1	17	1	19												1	
Target Acquis Bde					1	1	1	1													

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KOREAN ARMY										SPECIAL MISSION FORCES							GENERAL SUPPORT FORCES				Total All Forces			
DIVISION FORCES				Atchd	Total	Viet-	Total	Alc	SPECIAL MISSION FORCES				Total				GENERAL SUPPORT FORCES				Total			
West.	East.	Cent.	Res.	to US	1968	nam	Forces	Def.	CAC	III MDC	V MDC	VI MDC	Intnl.	Commo.	Spec.	Miss.	Train.	Log.	Supt.	Comm.	Gen.	Eupt	Forces	
Anti-Tank Miss (M-56)																								2
106 mm RR Co	3	3	7	3	1	17	2	19																19
Chemical Units																								
Cml Cp, BQ				1		1		1																1
Cml Svc Bn, BQ																								1
Cml Combat Spt Co	1	1	2	1		5		5				1												6
Cml Smoke Co	1	1	2	1		5		5																5
Cml Gen Spt Co				1		2		2																2
Cml Spt pltn							2	2																2
Cml training unit																								1
Cml Deton Co																								1
Cml Btry Co										1														1
Cml Lab																								1
Cml Inse Depot																								1
Engineer Units																								
Engr Combat Sp, HHC	2	2	4	2		10		10																10
Engr Const Cp, HHC				1		1		1		1	1	1	1											6
Engr Maint Cp, HHC				1		1		1																1
Engr Slt Bn Co	1		3	1		5		5																5
Engr Svy Co		1	1	3		5		5																5
Engr Dump th Co	2	2	4	3		11		11		1	1	1	1											17
Engr Lt. Equip Co	2	2	4	2		10		10																10
Engr Farel Bn Co		1	1	1		3		3		1	1	1	1											7
Engr Parks Depot Co				1		1		1																1
Engr Water Svy Co				1		1		1																1
Engr FF pltn				1		1		1																1
Engr Depot Co				1		1		1																1
Engr Slt Maint Bn				1		1		1																1
Engr Svc Bn				1		1		1																1
Engr Field Maint Co	1	1	2	2		6		6				1												6
Engr Maint Co																								1
Engr OAS det										3		1	1	1										6
Engr Svc Depot																								3
Engr Svt Const off																								1
Engr Army Topo Unit																								1
Engr Mv Equip Co																								1
Engr Mv Const Bn																								3
Engr field Bn																								1

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KOREAN ARMY										SPECIAL MISSION FORCES						GENERAL SUPPORT FORCES					Total All Forces	
DIVISION FORCES				Abchd to US	Total 1958	Visit- nam Div. Forces	Air Def.	CAC	III MDC	V MDC	VI MDC	Intel.	Commo.	Total Spec. Mis.	Train.	Log.	Supt.	Comd. Gen. Spt.	Total	All Forces		
West.	East.	Cent.	Res.																			
Engr Field Cos																				2		
Engr Supp Maint Cos																					2	
Eng Supp Maint Bkch & Yish mig Co																1			1		1	
Medical Units																					2	
Medical Cp Hqs					2	2															2	
Med In, H&D				1	1	1															5	
Med Depots					2	2															2	
Med Evac Hosp's				1	1	2	3														9	
Med Mobile Surg Hosp				2	2	4	2														12	
Med Amb Cos				3	3	6	2	1	1	1	1		6								20	
Frv Med Cos					2	2															2	
Psychiatric treat Cos				1	1	1	1														2	
Dental Svc Co					1	1	1														3	
Med Field Lab					1	1	1														1	
Dispensary					1	1	3														5	
Army Physical Insp Tn								1					1								1	
Med MV Surg tm					1	1	1														1	
R.H.F. center					1	1	1														3	
Food Insp teams				1	1	2	2														6	
Hosp train unit																					2	
Central Dental Hq																					1	
Med Center																					1	
Med Cntr Spt Cp																					1	
Army Hospitals								2	2	2			6	1	2	2					11	
Med Base Depot																1					1	
Central Med Lab																		1			1	
Med Clearing Co																					1	
Med P.M. Fltn																					2	
Central Dental Clinics																					1	
Military Police Units																					3	
M.P. Co					1	1	1														1	
M.P. Co				1	1	2	1														5	
C.I.O.				1	1	2	2														16	
Army Discipln Cntr																						1
Science Inven Lab																						1
Capital Security Comd																						1

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DIVISION FORCES	KOREAN ARMY										SPECIAL MISSION FORCES					GENERAL SUPPORT FORCES					Total All Percent		
	West.	East.	Cont.	Res.	Atchd to US	Total 1968	Vist- nam	Total Dlv. Forces	Air Def.	SPECIAL MISSION FORCES				Total	GENERAL SUPPORT FORCES								
										CAC	III	V	VI MDC		Comm.	Spec.	Miss.	Train.	Log.	Supt.		Comnd	Gen.
Security Bn						4	4	1	5		1	1	3	1					6	11		11	22
Security Cos																							1
Fort Security N.P. Co.																							1
Ordnance Units							1		1														1
Ord K & S Co, WDC							1		1														1
Ord Op, WDC	1						1		1														1
Amo Co, WDC							1		1														1
Ord M&S Bn, WDC	2	1	3				2		8														8
Amo Bn, WDC	1						4		4														4
Ord Bn, WDC																							1
Ord Ammo Cnd, HQ																							1
Ord Ammo Depot, HQ																							1
Ord DAS Cos	1	1	2				5		5														5
Ord Gas Cos	1		1				3		3														3
Amo Cos	4					2	16		16														2
Ord PARTS COS.	1		1				2		2														6
Ord RMC Cos	1	2	1				5		5														16
Ord D.S. Cos	3	1	7				15		16														2
Ord Gen Spt Cos	1		1				2		2														9
Ord Depot Cos	2	1	2				6		6														1
Ord WSD							1		1														1
Ord AAA spt tm																							2
Q.M. spt tm	1		1				2		2														2
Ord school																							1
Ord Hwy Maint Cos																							1
Ord D.S. det																							2
Ord Truck Cos Spt Co																							1
Ord D.S. Ammo det																							2
Ord Hawk Svc Unit																							3
Ord Ammo Storage plin																							4
Ord Ammo Cnd																							1
Army Arsenal																							1
Auto Rebuild shop																							1
Auto & Tire rebuild																							1
Ord Base Depot																							1
Ord Wash Shop																							1
Ord Base Coll pc																							1
Ord Supply Hqst Az																							1
Yungchon Ord Supt det																							1
Ord Supply D.S. Co							1		1														1

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	DIVISION FORCES					Total 1958	Vist- Total nam Div. Forces	Air Def.	SPECIAL MISSION FORCES				GENERAL SUPPORT FORCES							Total All Forces	
	West.	East.	Cent.	Res.	Atchd to US				CAC	III HDC	VII HDC	VI HDC	Total	Intnl.	Commo.	Spec.	Mis.	Transp.	Log.		Supp.
Quartermaster Units																					1
QM Cq. HHC					1	1															1
QM En. HHC	1	1	2	3		7															7
QM Gen Spt Bn, Ng Tn			1			1															1
QM D.S. Co	2	2	4	2		10															10
QM Field Depot Co			2	5		7															7
AM Evac			1	2		3															3
QM Svc Co	1	1	4			6											1				7
QM POL Depot Co					1	1											1				2
QM Graves Reg																					1
QM Base Comd																					1
QM Base Depot																					1
Clock m/c det																					1
Sup Hsg Co																					1
QM Sup Maint							2	2													4
QM Supp det							2	2													4
QM D.S. det																					1
9th Area Food Buying Off																					1
Area F BOCA type	1	1	2	1		5		5													5
Signal Units																					1
Sig Cq. Hqs & Hqs Tn					1	1		1													1
Sig Opn Bn, Hqs													1	1							1
Sig 2.L. Cq, HHC													1	1							1
Sig Svc Bn																					2
Sig Opn Bn					2	1		1													1
Sig Spt Bn					1	1		2													2
Sig S&M Bn					1	2		2													3
Sig Field Depot Csq						5		5													5
Sig I Csq						1		1													1
Sig Sup Maint det		1	1																		1
Sig T C																					4
Sig Radar Maint det																					3
Sig Direct Supt unit																					1
Sig Base Depot																					1
Air Photo unit Co																					1
Sig Supt Hqs Co																					1
Est Depot Short Wave																					1
Tag Film Lab																					1

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KOREAN ARMY

DIVISION FORCES					Total 1962	Viet- nam Div. Forces	Total Div. Forces	Air Det.	SPECIAL MISSION FORCES					GENERAL SUPPORT FORCES					Total All Forces	
West.	East.	Cent.	Res.	Atch'd to HQ					CAC	III MDC	V MDC	VI MDC	Inte'l.	Commo.	Spec.	Mia.	Train.	Log.		Supt.
Sig Security																				
Radio Security Cos																				
D.F. Cos																				
Sig D.S. Sn							1													
Sig D.S. Co							2													
Sig U.S. det							2													
Transportation Units																				
Trans Co. HHC							1													
Trans Co. HHC					1	1	3	5												
Trans Terminal, HHC																				
Trans Cos (Lt truck)					4	4	14	24	2	48	1	60								
Trans Cos (Med truck)									1											
Trans Car Co									1											
Trans Aircraft Maint									1											
Trans Movement Cont Unit					1	1	1	3												
Trans Supply det									1											
Trans Port Cnd																				
Trans Base Cnd																				
Trans Base depot																				
Trans Co.																				
Trans Terminal Svc Co																				
SCHOOLS																				
FRONA schools																				
SQ RONA schools																				
LNG schools																				
SROKA schools																				
SROKA ROTC units																				
MISC. UNITS																				
A.D. Arty Brig. HQs																				
A.D. Training Units																				
Aviation Co																				
Svc Unit Coast Spt Co HQs																				
Svc Col'd Log Cnd																				
Supt Co, HQs																				

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	DIVISION FORCES				KORAN ARMY	Total 1968	Vint- nam	Total Div. Forces	SPECIAL MISSION FORCES					GENERAL SUPPORT FORCES					Total All Forces			
	West.	East.	Cent.	Res.					Air Def.	CAC	III MOC	V MOC	VI MOC	Total	Intel.	Commo.	Spec.	M.A.S.		Train.	Log.	Supt.
Supp D.S. Sq, HQ							2	2													1	1
Supp SV Co							1	1													1	1
Printing Co							1	1													1	1
Repl Co							1	1													1	1
Repl Ssh Gg																1					1	1
Repl Sq															2						2	2
Area Finance Unit										1	1	1	1		4		1	6			7	11
Army Finance Center																		1			1	1
AMU										1	1	1	1		4			2			2	2
Area Printing Factory										1	1	1	1		4			1			1	1
Leaflet/Loudspeaker Unit				1		1		1													1	1
Army Printing Plant																	1				1	1
Army Tech Lab																	1	1			1	1
9th Holding Sq																	1				1	1
Kajeri Log Spt Svc Gp																					1	1
Area FRO										1	1	1	1		4						1	1
CIC															1						1	1
AIU															1						1	1
MEG															1						1	1
Tongchun Area Svc Unit												1			1						1	1
Repl det										1	1	1	1		4						1	1
Mil Relief Svc Unit																		1			1	1
Labor Svc Gp																		1			1	1
WAG Sq, SMC																		1			1	1
Admin Spt Cnd, HQ																					1	1
CIA																					1	1

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APPENDIX C

ALTERNATIVE SUPPORT TROOP LISTS

C.1 . General

For each of the 15 cases considered, a detail troop list was derived. Each troop list was designed to be a self-sufficient support package which, when combined with current ROK support capability, was to be capable of supporting the combat units of that particular case in sustained combat. As noted earlier, the lists were in terms of US TOE units. This assumes that if the ROK supplied these units that they would be based upon US TOEs, and that they would have a capability similar to a US unit. A second alternative, not explored in this study, would be to assume that ROK units are smaller and/or less capable than US units, and thus include some percentage of additional units for those provided by the ROK. The tables which follow are illustrative of a type support augmentation for an 18 division ROKA combat service support structure:

TABLE C-I

TYPE ROKA SUPPORT AUGMENTATION REQUIREMENTS
(18 Division Force)

Table A-3-1	Engineer	6,083
Table A-3-2	Medical	14,744
Table A-3-3	Military Police	12,342
Table A-3-4	Ordnance	13,488
Table A-3-5	Quartermaster	1,281
Table A-3-6	Signal	16,039
Table A-3-7	Transportation	13,889
Table A-3-8	Intelligence	4,263
Table A-3-9	Miscellaneous	<u>1,807</u>
	Augmentation Total	83,936
	Division Slice Equivalent	12-13,000

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TABLE C-1-1 Engineer						
Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Increase Spaces
Engr Cbt Gp Hqs (88)	5-192 ROK	11	10	1	968	88
Engr Cbt Bn (533) ^{1/}	5-35 ROK	33	30 ^{1/}	3	17,589	1,593
Engr Const Bn (732)	5-315 ROK	22	19	3	- ^{2/}	2,196
Engr Co, ACR (220)	5-127 US	2	-	2	-	440
Panel Brg Co (111)	5-137 ROK	8	7	1	- ^{2/}	111
Engr DS Det (35)	5-500 EF ROK	Unk	Unk	2	- ^{2/}	70
Engr SL Maint Tm (3)	5-500 DF ROK	5	2	3	- ^{2/}	9
Dump Trk Co (128)	5-324 ROK	19	18	1	- ^{2/}	128
Engr Light Equip Co (131)	5-367 ROK	12	11	1	- ^{2/}	131
Float Brg Co (188)	5-138 ROK	7	5	2	- ^{2/}	376
HHC, Const Bn (125)	5-116 US *	1	0	1	-	125
Pipeline Const Spt Co (178)	5-177 US *	0	0	2	-	356
Engr Co, Port Const (227)	5-129 US *	0	0	2	-	454
Pipeline Design Tm (6)	5-530 US *	0	0	1	-	6
Engr Spt Units ^{2/}	-	-	-	-	25,424	-
					43,981	6,083
					Total Spaces	Total Space Increase

^{1/} ROKA has 3 Bns in SVN not included in these totals. Strength of the Bns in SVN is 583.

^{2/} Total spaces are not broken out. They are contained in Column Engineer Spt units.

^{3/} Includes 1 base depot, 1 depot Co, 1 block and tile Co, 11 Field Maintenance Cos, 4 fire fighting platoons, 5 float bridge Co, 19 Const Bn, 6 Const Gp Hq, 18 dump truck Co, 16 Equip Co, 1 M&S Gp Hq, 3 Mill work Platoons, 7 Panel Bridge Co, 2 Searchlight Maint Team, 1 Supply Mgt Gp, 5 Supply Co, 1 Water Supply Co.

*This type unit and expertise is not available in the ROK Army.

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TABLE C-I-Z- Medical						
Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Total Increase
HHD Med (26)	C-22 ROK	5	2	3	<u>1/</u>	78
HHD Med Bn (27)	8-26 ROK	5	5	5	<u>1/</u>	135
Med Holding Co (90)	8-57 US	5	0	5	450	450
MASH (72)	8-571 ROK	18	10	8	<u>1/</u>	576
Med Air Amb Co (159)	8-137 US	4	0	4	636	636
Med Amb Co (59)	8-317 ROK	36	19	17	-	1,003
Med Ctr Co (127)	8-128 US	7	0	7	889	889
Med Co Col (190)	8-129 US	6	0	6	1,140	1,140
Convales Ctr (242)	8-590 US	4	0	4	968	968
Evac Hosp 400 Bd (189)	8-592 ROK	8	4	4	<u>1/</u>	756
Evac Hosp (750 Bd) (303)	8-591 ROK	5	3	2	<u>1/</u>	606
Pvnt Med Svc Unit (114)	8-204 US	1	0	1	114	114
Army Med Depot (107)	8-866 ROK	5	2	3	<u>1/</u>	321
Fld Hosp (213)	8-510 US	6	0	6	1,278	1,278
Army Hosp Train (37)	8-520 ROK	5	1	4	<u>1/</u>	148
Gen Hosp (1000 Bd) (586)	8-551 US	20	11	9	<u>1/</u>	5,274
Vet Svc Det Large (54)	Tm JB US	1	0	1	54	54
Central Dental Det (7)	8-500W ROK	6	1	5	<u>1/</u>	35
Neuro Surg Det (12)	8-500K ROK	6	1	5	<u>1/</u>	60
Dental Svc Det (38)	8-500T ROK	5	3	2	<u>1/</u>	76
Psych Det (19)	8-500P ROK	5	2	3	<u>1/</u>	57
Blood Col Det (11)	8-500R ROK	6	0	6	66	66
Med Intel Det (12)	Tm QA US	2	0	2	24	24
Med Support Units ^{1/}	-	-	-	-	10,157 ^{1/}	-
Total					24,901	14,744
^{1/} Total spaces not broken out. ROKA currently has 85 Medical Support Units (10,157 spaces) which include: 1 Hosp, 3 med Depot, 7 Evac Hosp, 2 Med Lab, 19 Ambul Co, 5 Med Bn (H/H Det), 5 Disp, 13 Med Det, Med Gp Hq, 10 MASH, 2 Prev Med Co, Taegu Army Med Cmd Ctr, Central Dental Clinic Dental Lab, 3 Dental Det.						

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TABLE C-1-3 Military Police

Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Space Increase
HHD MP Bn (60)	19-56 ROK	1	0 _{1/}	1	- _{3/}	60
MP Bn (680)	19-55 ROK	4	3 _{1/}	1	- _{3/}	680
MP HHC PW Gp (329)	19-256 ROK	4	0	4	1,316 _{3/}	1,316
MP Co Esc Guard (140)	19-47 ROK	8	1	7	- _{3/}	980
MP Co PW Proc (109)	19-237 ROK	2	0	2	218	218
MP Co Guard (123)	19-247 ROK	13	0	13	1,599	1,599
MP Bn Army (592)	19-035F US*	4	0	4	2,368	2,368
MP Co Corps (182)	19-037F US*	5	0	5	910	910
MP Bn Commc (678)	19-055F US*	3	0	3	2,034	2,034
MP Co Separate (155)	19-057F US*	5	0	5	775	775
MP Co (Phys Scty) (141)	19-097F US*	3	0	3	423	423
MP Plat (Phys Scty) (31)	19-097F US*	1	0	1	31	31
MP Plat Guard (32)	19-247E US*	1	0	1	32	32
MP HHD Bde (61)	19-262F US*	1	0	1	61	61
MP HHD Gp (37)	19-272F US*	5	0	5	185	185
MP HHC Bn Sckd (122)	19-316D US*	1	0	1	122	122
MP HHD Bn (AD) (21)	19-500E US*	8	0	8	168	168
MP HHD Bn Tm (AD) (20)	19-500E US*	1	0	1	20	20
MP Det CID (LB) (14)	19-500E US*	10	0	10	140	140
MP Det CI Tm (LC) (8)	19-500E US*	1	0	1	8	8
MP Det CI Tm (LD)	19-500E US*	1	0	1	12	12
MP Plt Dog (44)	19-500E US*	4	0	4	136	136
MP Det Thtr PW	-	-	-	-	-	-
Info Center (64)	19-503G US*	1	0	1	64	64
MP Units ^{2/}	-	-	-	-	5,498 ^{2/}	-
Total					17,840	12,342

* ROKA units based on US TOE. .

^{1/} One Bn is a railway security Bn (strength 570).

^{2/} ROKA currently has 32 MP units with a total of 5,498 spaces; they include 3 MP Bns, 17 MP Cos, and 12 CID units:

^{3/} Total spaces not broken out.

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TABLE C-1-4 - Ordnance Units

Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Increase Spaces
HAWK Ord DSU (77)	9-510 FE (US)	5	3	2	385	154
ADA Repair Tm (9)	9-510 EC ROK	6	1	5	54	45
Ord M&S Bn, HHD (46)	9-76 ROK	19	9	10	874	460
Ord DAS Co (126)	9-127 ROK	34	5	29	4,284	3,654
Ord GS Co (Aug) (253)	9-9 ROK	7	3	4	1,771	1,012
Ord GAS Co (180)	9-197 ROK	30	4	26	5,400	4,680
Ord Field Supply Co. (165)	9-57 ROK	23	9	14	3,795	2,310
Ord DS Co (194)	9-7 ROK	17	15	2	3,298	388
Ord Ammo Bn Hq (46)	9-86 ROK	5	4	1	230	46
Ord Ammo Co (200)	9-17 ROK	27	25	2	5,400	400
EOD Control Det (8)	9-500 KC ROK	1	0	1	8	8
Auto Repair Tm (13)	9-500 DA ROK	10	0	10	130	130
Small Arms Repair Tm	9-500 EB ROK	30	0	30	98	98
Ord M&S Gp HHC (103)	9-12 ROK	3	2	1	309	103
					26,036	13,488
					Total Spaces	Total Space Increase

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TABLE C-1-5 - Quartermaster

Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Total Space Increase
HHC, Qm Gp (61)	10-22 ROK	4	2	2	<u>1/</u>	132
Qm DS Co (214)	10-107 ROK	16	13	3	<u>1/</u>	642
Qm Svc Co (169)	10-67 ROK	12	9	3	<u>1/</u>	507
Qm Spt Units	-	-	-	-	8,017 ^{2/}	-
Total					9,298 ^{3/}	1,281

^{1/} Total spaces not broken out. They are contained in Column Quartermaster Spt units.

^{2/} Quartermaster support units currently in ROKA force structure. They consist of: 8 Bn Hq/Hq Co, 11 Dir Spt Co, 3 Collection Co, 9 Fld Buying Office, 4 Fld Depot Co, 3 Fld Maint Co, Graves Reg Co, QM Gp Hq, S&M Gp Hq, 2 POL Depot Co, 9 Svc Co, Clth Factory, Base Depot, S&M Depot

^{3/} Includes total spaces in being (8,017) plus augmentation.

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Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Increase Spaces
Div Sig Co Aug (346)	11-7 ROK	18	0	18	6,228	6,228
Corps Sig Bn Aug (38)	11-15 ROK	5	0	5	190	190
Corps Sig Bn (Unk)	11-15 ROK	5	5	0	-	-
Sig Bde Hqs Det (80)	Unknown	1	0	1	80	80
63d Opn Bn Aug (50)	11-95 ROK	1	0	1	50	50
Sig Fwd S&M Co (Unk)	11-157 ROK	5	5	0	-	-
Sig Fwd S&M Co Aug (28)	11-157 ROK	5	0	5	-	140
Fld Depot Co (Unk)	11-158 ROK	2	2	0	-	-
Fld Depot Co Aug (28)	11-158 ROK	2	0	2	56	56
Hq Det, Cbt Area	-	-	-	-	-	-
Sig Gp (45)	Unknown	1	0	1	45	45
Sig Cbt Area Bn (815)	11-85 US	11	0	11	8,965	8,965
Sig Opn Bn Aug (237)	11-500-67 ROK	1	0	1	237	237
Avn Equip Rep Tm (6)	11-500-RL ROK	8	0	8	48	48
Sig Spt Units ^{1/}	-	-	-	-	14,700 ^{1/}	-
Total					30,599	16,039
^{1/} Estimate only. ROKA has 14,700 spaces in 34 Signal Support Units which include the following: Base Depot, 5 Corps Bn, Cal Co, 4 Constr Bn, 2 S&M Bn, Group Hq, Spt Bn, 3 Opns Bn, Microwave Unit, Svc Bn, Tng Film Cntr.						

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TABLE C-1-7 - Transportation

Unit/(Strength)	TOE	No. Required	In Being	Augmentation	Total Spaces	Total Space Increase
Acft Maint Co (534)	55-457 ROK	4	1	3	2,136	1,602
Trans Trk Gp Hq (61)	55-12 ROK	4	1	3	244	183
Trk Bn Hqs (41)	55-16 ROK	19	11	8	779	328
Lt Trk Co (168)	55-17 ROK	73	56	17	12,224	2,856
Rail Liaison Co (39)	55-500 ROK	0	0	2	78	78
Acft Maint Tm (44)	55-500 US	1	0	1	44	44
Mvmt Control Tm (8)	55-500 ROK	9	5	4	72	32
Tml Transfer Co (264)	55-118 ROK	7	0	7	1,848	1,848
Trans Intel Unit (11)	55-500 ROK	7	0	7	77	77
Tml Svc Co (138)	55-117 ROK	18	4	14 ^{1/}	2,376	1,932
Mdm Trk Co (181)	55-18 ROK	14	2	12 ^{1/}	2,534	2,172
Trans Tml Bn Hq (50)	55-116 ROK	5	1	4	50	232
Car Co (89)	55-19 ROK	8	1	7	712	623
Hvy Trk Co (152)	55-28 ROK	4	0	4	608	608
Trans Mdm Amph Co (171)	55-139 US	0	0	1	171	171
Trans Mdm Boat Co (180)	55-128 US	0	0	2	360	360
Acft Maint & Sup Bn (51)	55-456 US	0	0	1	51	51
Acft GS Co (106)	55-458 US	0	0	2	212	212
Fltg Dep Maint Co (204)	55-157 US	0	0	1	204	204
Amph GS Co (175)	55-158 US	0	0	1	175	175
RHD Railway Gp (101)	55-202	0	0	1	101	101
Total					25,056 ^{2/}	13,889
^{1/} Includes six medium Truck Company (POL).						
^{2/} Estimate only. ROK currently has 10,369 spaces in 88 transportation support units which includes: Army Aircraft Maint Co, Base Cmd, Base Depot, 11 Trk Bn Hq, Car Trans Co, 4 Term Svc Co, 56 Lt Trk Co, 2 Med Trk Co, 5 Mvt Cont Tm, Supply Det, Term Svc Bn, Trfc Mngt Tm, Trk Trans Gp Hq, Transport Cmd.						

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TABLE C-1-8 Intelligence

Unit/Strength	TOE	No. Required	In Being	Augmentation	Total Spaces	Total Space Increase
Dir Finder Co. (273)	11-11 (ROK)	3	1	2	619	546
Radio Scty Co. (Unk)	35-502 (ROK)	6	2	4	780	376
MI Bn Air Recon Sup (281)	30-50 (ROK)	1	0	1	281	281
Army Scty Comd ^{1/}	TDA 30-500 (ROK)	1	1	- ^{1/}	2714	1130
Army Intel Unit ^{1/}	TDA 30-5 (ROK)	1	1	- ^{1/}	1463	299
Mil Intel Gp ^{1/}	TDA 30-600 (ROK)	1	1	- ^{1/}	2525	1495
Sig Scty Agency	11-10 (ROK)	1	1	- ^{1/}	160	59
Aerial Photo Repro Co (79)	11-598 (ROK)	1	1	0	79	-
DCSINT	TDA-200-1	1	0	1	-	59
Total					8,821	4,263

^{1/} Augmentation to existing unit.

TABLE C-1-9 - Miscellaneous

Unit/Strength	TOE	No. Required	No. Being	Augmentation	Total Spaces	Total Space Increase
Repl Bn (137)	12-45 ROK	8	^{1/} 2+	6	1,090	627
Finance Units ^{2/}	14-500-1	13	-	13	1,180	1,180
Army/Schl/Misc ^{3/}	-	-	-	-	14,577	-
Chemical Spt Units ^{4/}	-	20	20	-	2,295	-
Total					19,142	1,807

- ^{1/} Number includes 2 replacement Bns and 3 replacement Cos
- ^{2/} Includes 1 Army Finance unit and augmentation to the existing finance structure.
- ^{3/} Includes 22 branch service schools and training centers, three military colleges, a scout dog center, combined arms center, Korean Military Academy.
- ^{4/} Includes Decon Co, 5 Smoke Co, 2 Gen Spt Co, 1 Svc Bn, (H/R Det), 3 Processing Co, Gp Hq, 6 Cmbt Spt Co, Base Depot.

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APPENDIX D

COSTS

D.1 General

The cost to both the US and the ROK have been considered for each alternative. This includes both the initial investment required in forming a unit and the annual cost of maintaining the unit. For comparison purposes, the initial investment plus the total annual cost for five years (FY 70-74) have been summed.

Only the changes in the present force have been costed in this study. Neither the cost of the existing support structure nor the cost of the combat units input to the model have been considered, since both are independent of the alternatives for providing support augmentation.

It was assumed that all changes in support units were phased in and out of the force over a period of several years. New units were added 30% in FY 72, 40% in FY 73, and 30% in FY 74. Old units were inactivated on the following schedule: 20% in FY 72, 30% in FY 73, and 50% in FY 74. Only 90% of the annual cost of inactivated units was considered as savings since it was assumed that the units would be kept in the reserves, and that it would cost approximately 10% of its active annual cost.

D.2 Cost of US Units

The cost of US units was obtained from the cost data bank that is part of the Modular Force Planning System. These costs are based on those included in the Army Cost Handbook (Planning) published by the Office of Director of Cost Analysis, Comptroller of the Army.

The annual costs include military pay and allowances (MPA), operating costs (BP2000), material costs, replacement and rotation, and overhead. The initial costs used included only equipment costs. Initial personnel costs (accession and training) and deployment costs were not included in order to put the cost of US units and ROK units on a comparable level, since neither of these costs are broken out for ROK units. Deployment costs would be essentially nothing, however, since ROK units would not be deploying out of country, and initial personnel costs, like annual costs, would be much higher for US units than for ROK units. Because these items were not included, then, the cost differences between US and ROK units are slightly understated. The effect was not considered important, however, given the already very large cost differences.

It is also important to note that an additional conservative assumption was used. Since current US planning policy considers only one contingency in Asia at any given time, the US forces for use in Asia are sized on the largest possible contingency, which is Southeast Asia. We have thus assumed that since there would be approximately 7 divisions in the baseline force, sized to meet SEA requirements, that these same units are available at no cost to meet a Korean contingency.

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D.3 Cost of ROK Units

The cost of ROK units was based on current estimates of ROK O&M and MAP costs per man for FY 70-74, and current table of equipment costs per unit. Since these were available only in summary form (by MAP element), we then selected the MAP element that was most like the type of unit that we wanted to cost, and used the per man and per unit costs associated with units in this category. For instance, the intelligence units in the augmentation package seemed most likely MAP element 7BEO (Intelligence Activities) so these costs were used. A table of costs for ROK units is shown below.

TABLE D-1

COSTS FOR ROK UNITS

	<u>Annual Costs Per Man</u>					<u>Initial Cost Per Unit</u>	
	<u>P&A</u>	<u>Cloth&Supl</u>	<u>Subsist</u>	<u>O&M</u>	<u>Const</u>	<u>Total</u>	<u>Initial Equipment</u>
Combat ^{1/}	173	43	93	331	811	1,451	.152 million
C.C and C ^{2/}	173	43	93	385	170	864	.400 "
Intelligence	173	43	93	139	119	567	.404 "
Engineer	173	43	93	303	183	795	.075 "
Transportation	173	43	93	385	170	864	.400 "
Supply & Maint.	173	43	93	385	170	864	.400 "
Medical	173	43	93	385	170	864	.400 "
Administration	173	43	93	44	451	804	.075 "
Special Operations	173	43	93	393	0	672	1.184 "
Police	173	43	93	301	300	910	.290 "
Aviation ^{3/}	173	43	93	5,845	0	6,154	<u>3/</u>

^{1/} Includes only those combat units that are generated by the model as support units (searchlight batteries, target acquisition batteries, etc.)

^{2/} Command, Control and Communications.

^{3/} Since the ROKs do not currently have any aviation units, US equipment costs were used. Requirements for aviation units were derived in a separate modernization study.