

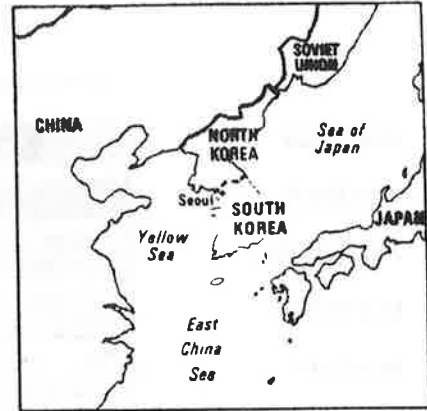
SOUTH KOREA

MEF G-2: CG III MEF//G-2//
Telephone: STU-III AV 635-6910

Theater J-2: USCINCPAC HONOLULU HI//J-2//
Telephone: STU-III AV 477-7323

DIA DB Desk Code: DIA WASHINGTON DC//DB-2C//
Telephone: STU-III AV 243-2491

Embassy Defense Attache: USDAO SEOUL KOR//DATT//
Telephone: DIR: 011-82-2-732-2601, EXT 4481/4184
AUTOVON: (315) 723-8484

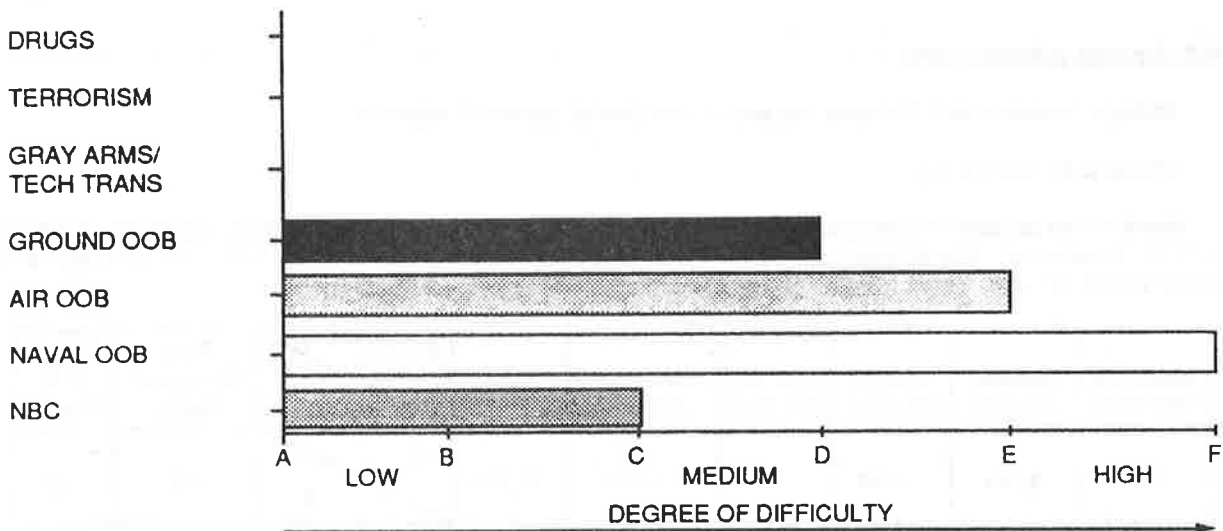


SUMMARY

South Korea occupies a strategic location on the Korean peninsula among the Chinese, Japanese, and Soviet spheres of influence. U.S. equity in South Korea is high. This country has become the seventh largest trading partner of the U.S. About 39,000 military personnel are stationed in South Korea and over 10,000 U.S. citizens reside there. South Korea has the fifth largest ground OOB in the region composed of about 520,000 troops. It also has a relatively large air force and navy, equipped with modern weapon systems. An air defense network is deployed along its northern border with North Korea and the coastal waters to the southwest. South Korea is thought to possess stocks of chemical weapons.

South Korea has a culture significantly different from that of the U.S. It has a temperate climate with hot, rainy summers and cold, dry, and windy winters. The terrain consists of partially forested mountain ranges separated by deep, narrow valleys. There are cultivated plains along the coasts, mainly in the west and south. Cross-country movement of tracked vehicles is possible in the valleys and plains during certain parts of the year. The average standoff distance for engagement by line of sight weapons (intervisibility) is limited to less than 1,000 meters due to the dissected terrain, forests, and cultivated areas. Intervisibility would be particularly restricted in the rugged east coastal and central interior. NGF platforms can approach the coast and provide a limited degree of support for operations ashore but would be confronted by a significant South Korean coastal defense threat. Coverage of the country is available by old 1:50,000 scale maps, but are likely to be outdated. There are several airfields and ports to accommodate strategic lift. Key installations may include production and storage facilities for chemical weapons. The Pacific ARG with its embarked MEU would require between four to six days to reach South Korea. NEO conducted by a MEU under normal conditions would be difficult due to over 10,000 potential evacuees.

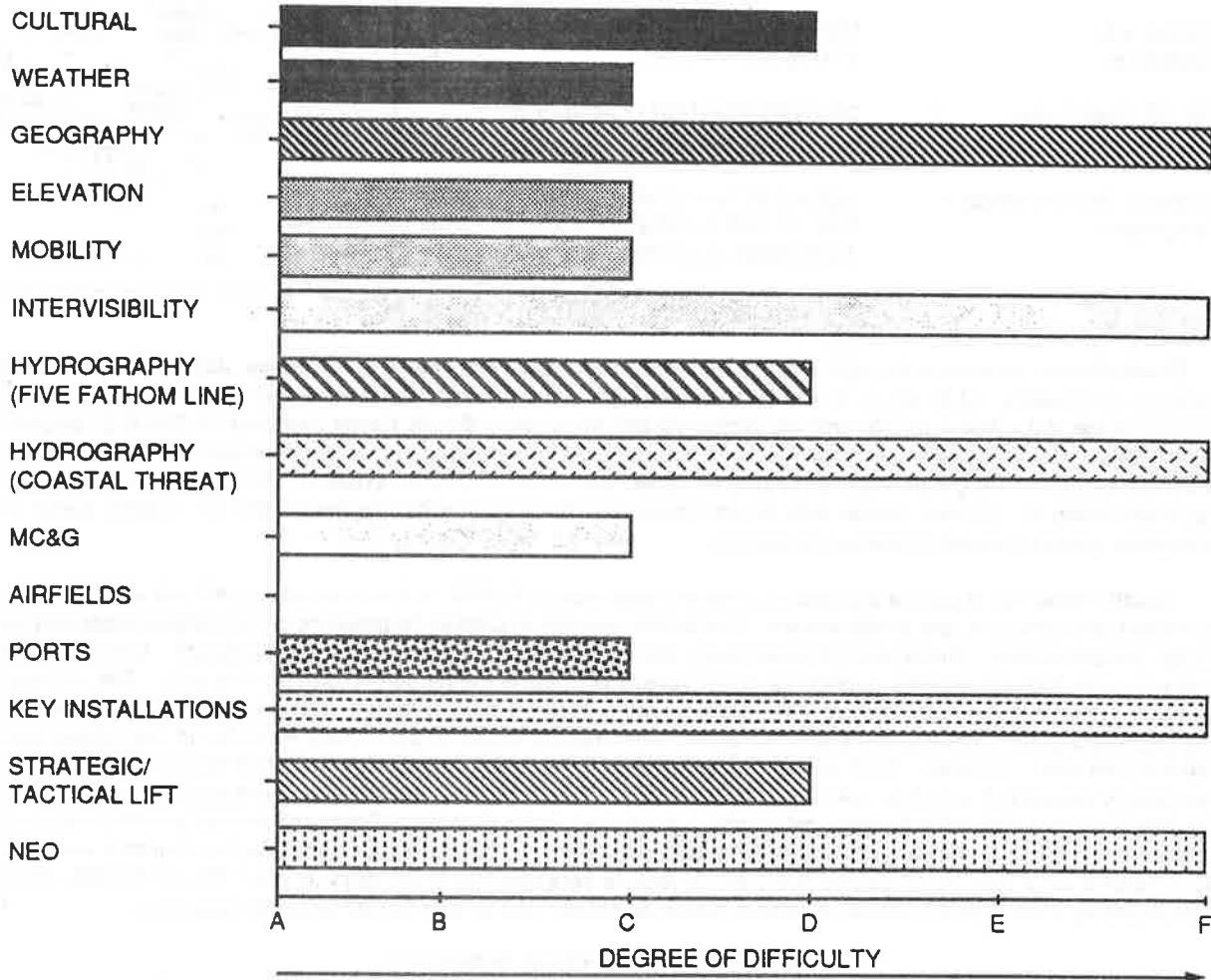
SOUTH KOREA - THREAT SUMMARY



South Korea - 1

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SOUTH KOREA - TERRAIN AND LOGISTICS SUMMARY



U.S. Equities in South Korea

- Strategic location within **Chinese, Japanese, and Soviet** spheres of influence.
- Overall **U.S.** equity is high.

South Korea occupies a strategic location on the **Korean Peninsula** among the **Chinese, Japanese, and Soviet** spheres of influence. This country has become the seventh largest trading partner of the **U.S.** The **U.S.** maintains about 39,000 military personnel in **South Korea** and over 10,000 **U.S.** citizens live there.

Direct Inv (Mil of \$)	Exports (Mil of \$)	Imports (Mil of \$)	U.S. Aid (Mil of \$)	Total Equity (Mil of \$)	U.S. Citizens	\$ Rating Rating	Total Numerical Rating	Overall U.S. Equity
1,018	8,099	17,991	-	27,108	10,250	6 6	12	High

General Ground OOB

South Korea has the fifth largest ground OOB in the region.

Infantry	Tank OOB	Artillery	Army Size (Thousands)	Quality	Total Capability Value	Rating
Draft/TR	M-60	Howitzers/SP	520	22	592	F

Ground OOB consists mainly of 520,000 conscripts. Initial training is done at recruit training centers with specialist training provided at various service schools. There are academies modeled after the U.S. to train regular officers. Conscripts and short-term officers receive training at a separate school. Tanks: M-47, M-48A5, M-60; Artillery: M-101, M-107, M-109A2, M-110, M-114, M-115.

General Air OOB

Air OOB	Close Air	AAW (IAD)	Air Force Size (Thousands)	Quality	Total Capability Value	Rating
Early Radar	Early Smart	3d Gen SAMs	33	22	155	E

Fighter Aircraft: F-4D/E, F-16A/B, F-86D/F; Close Air: F-5E; Air Defense: HAWK, Javelin, Nike Hercules, and Stinger SAMs and AA guns. South Korea operates an air defense system which is primarily oriented along its northern border with North Korea and the coastal waters to the southwest. This system is being upgraded to include the AN/TPS-43 and AN/TPS-63 new technology radars.

General Naval OOB

Naval OOB	S/S Missiles	Patrol Craft	Navy Size (Thousands)	Quality	Total Capability Value	Rating
ASUW/Air/ASW	Counter-measures	ASUW/Anti-air	29	22	161	F

Ships: 11 Destroyers, 6 Frigates, and 16 Corvettes with ASUW/Air/ASW capabilities; SSMs: Harpoon, Exocet, Standard ARM; Patrol Craft: 11 Fast Attack Craft-Missile with SSMs, guns, countermeasures, fire control, and radar; 68 Fast Attack Craft-Patrol; 2 Large Patrol Craft.

Nuclear, Biological, and Chemical Threat

South Korea has been alleged to possess chemical weapons. With a sophisticated chemical industry, it could probably produce significant quantities for use in chemical warfare with North Korea. It is unknown if South Korea has delivery means for its chemical weapons. South Korea has seven nuclear power reactors in operation and two reactors under construction. No nuclear weapons are suspected.

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Culture (Language and Religion)

Primary language - Korean
Primary religion - Eastern

There is a significant cultural difference between **South Korea** and the **U.S.**

Weather

Average Temperature (Degrees Fahrenheit)	Average Relative Humidity (Percent)	Average Annual Rainfall (Inches)	Rating
23-81	-	30-50	Mixed

South Korea has a temperate climate which is hot and rainy in summer and cold, dry, and windy, with generally light snowfall in winter.

General Geographic Conditions

URBAN	DESERT	JUNGLE	MOUNTAINOUS
			X

Operational Elevation

<2,000 FT	<4,000 FT	<6,000 FT	>6,000 FT	>9,000 FT	>12,000 FT
		X			

South Korea has partially forested mountain ranges separated by deep, narrow valleys. There are cultivated plains along the coasts, particularly in the west and south.

General Cross-Country Mobility

- Parts of **South Korea** are suitable for cross-country movement of tracked vehicles.

The region is poorly suited for tracked movement due to steep slopes, dense scrub, forests, and wet rice fields (mid-June through mid-October). Tracked movement is possible on the valley floors and plains between mid-October and mid-June when the rice fields are drained. The optimum conditions occur during early-December through March when the ground is frozen.

Intervisibility (Line of Sight)

- Poor, with line of sight distances mainly limited to less than 1,000 meters.

The line of sight distances in large parts of **South Korea** would generally be less than 1,000 meters due to the mountainous terrain, steep slopes, dense scrub, and forests. The most rugged areas of this country are found on the mountainous east coastal and central interior.

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Hydrography (Five Fathom Line)

- NGF platforms are able to approach the coast to provide limited support for operations ashore.

DMA Chart #	5 Fathom Line from Shore (Meters)	NFG Rating
95060	17,000	Poor

Hydrography (Coastal Threat)

- Significant coastal threat.

Maximum Capability Coastal Defense Weapon	Maximum Range of Weapon (Meters)	Rating (Compared with 5"/54-cal)
HONEST JOHN SSM	37,000	Threat Advantage

MC&G Shortfalls

- Coverage of **South Korea** is available by old 1:50,000 scale maps.

1:50 New	1:50 Old	Some 1:50	MSI Avail	1:250 New	None
	X				

Airfields

- Highly accessible by air, with more than one airfield that can handle C-5 aircraft.

Number of Airfields	Type Aircraft (C-5, C-141B, C-130) Accommodated	Airfield Utility (Unconstrained/Constrained)	Rating
28	13 C-5 1 C-141B 12 C-130 1 C-130 Emergency only 1 None	11/17	>1/C-5

South Korea - 5

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Airfields	Type Aircraft	Comments
A-306 (Chunchon)	C-130	Daylight/VFR only.
A-511 (Chonam)	C-130	-
Busan Air Base	C-130	Airfield has obstacles. Daylight/VFR only.
Chechon	None	-
Cheju International	C-5, C-141B, C-130	Runway only for C-5s.
Chinhoe	C-130	Emergency only.
Chongju Air Base	C-5, C-141B, C-130	-
Hoengsong	C-130	-
Kangnung	C-141B, C-130	-
Kimhoe	C-5, C-141B, C-130	-
Kimpo International	C-5, C-141B, C-130	-
Kunsan Air Base	C-5, C-141B, C-130	-
Kwang-ju	C-5, C-141B, C-130	-
Osan Air Base	C-5, C-141B, C-130	-
Pochon	C-130	Daylight/VFR only.
Pohang	C-5, C-141B, C-130	Daylight only for C-5/C-141B.
Pyongtaek	C-130	Daylight/VFR only.
R-217 (Pochon)	C-130	Airfield has obstacles. Daylight/VFR only.
R-222 (Kanam ni)	C-130	Airfield has obstacles. Daylight/VFR only.
R-407 (Sokcho)	C-130	Daylight/VFR only.
Sachon	C-5, C-141B, C-130	Daylight/VFR only.
Seoul Air Base	C-5, C-141B, C-130	Low runway WBC.
Sasaek	C-130	Daylight/VFR only.
Suwon	C-5, C-141B, C-130	-
Taegu International	C-5, C-141B, C-130	Daylight only.
Taejon	C-130	Daylight/VFR only.
Ulsan	C-130	Daylight/VFR only.
Yechon	C-5, C-141B, C-130	-

Ports

- Three major ports with good capabilities to accommodate strategic sealift.

Major Ports	Harbor Size	Channel/Anchorage Depths (Feet)	Cargo Pier Depth (Feet)	Cranes
Inchon	Medium	36-40/36-40	26-30	Yes
Yosu	Small	71-75/46-50	51-55	Yes
Pusan	Large	36-40/31-35	36-40	Yes

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Key Installations

Facilities are suspected to be available for the production and storage of chemical weapons. Seven nuclear powered reactors are in operation and two are under construction.

U.S. Embassy	Communications	Highways	Railroads	Major Ports	Primary Airfields	Pipeline	Oil Field	NBC
Seoul	- Adequate telecomm - 125 Radio stations - 256 TV stations - 1 Satellite station	62,936 km	3,106 km	3	28	- Refined products	None	C

Strategic and Tactical Lift

The Pacific ARG with its embarked MEU would require between four to six days to reach South Korea. The AAF/ACB can arrive within 24 hours but these elements do not possess a forcible entry capability.

NEO

- NEO conducted by a MEU under normal conditions in South Korea would be very difficult due to the large number of potential evacuees (over 10,000).

Embassy Staff	Evacuees	Inland Objective (nm)	Rating
179	10,250	27 (Seoul)	F

Note: In South Korea, the following factors are of little significance:

- Drugs
- Terrorism
- Gray Arms/Technology Transfer

