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TURKEY

MEF G-2: CG II MEF//G-2//
Telephone: STU-III AV 484-8095

Theater J-2: USCINCEUR VAHINGEN GE//J-2//
Telephone: STU-III AV 430-8003

DIA DB Desk Code: DIA WASHINGTON DC//DB-3B//
Telephone: STU-III AV 243-3125

Embassy Defense Attache: USDAO ANKARA TU//DATT//
Telephone: 126-54-70, EXT 300/305/309

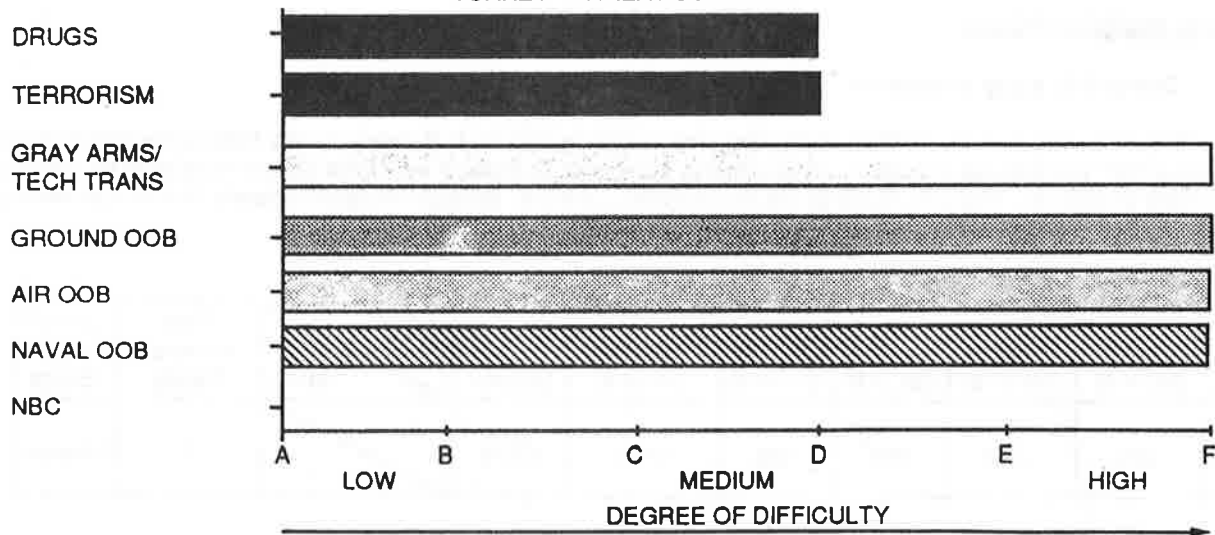


SUMMARY

With a common border with the **Soviet Union**, **Iran**, and **Iraq**, and control of the straits leading from the **Black Sea** to the **Mediterranean**, **Turkey** occupies a position of strategic importance. Since 1947, the **U.S.** has loaned or granted **Turkey**, about \$4 billion in economic aid and more than \$9 billion in military assistance. Besides the 10,000 military personnel stationed at installations in **Turkey**, almost 5,000 **U.S.** citizens live there. **Turkey** provides an important route for **Asian** drug traffickers to move heroin and hashish to **U.S.** and **European** markets. Terrorist groups such as the **Kurdish Worker's Party** and **Armenian** separatists operate in **Turkey** and attack political and economic targets. Because of its involvement with drugs, terrorism, and gray arms/technology transfer, **Turkey** deserves special attention by military planners. With total personnel of more than 626,000, **Turkey's** armed forces are the second largest in **NATO**. Two **NATO** headquarters, Land South East and Sixth Tactical Air Force are located in **Izmir**. Major **U.S.** military organizations in **Turkey** are the Joint **U.S.** Military Mission for Aid to **Turkey** and the **U.S.** Logistical Group.

With the **Turkish** language and Islamic religion, **Turkey's** culture is significantly different from that of the **U.S.** The interior of the country has wide plateaus with high mountains surrounding them on all sides except the west. There are rolling plains in the west and fertile coastal plains in the southwest. About half of the **Turkish** people live in urban areas. Only parts of **Turkey**, in the inland areas, are suitable for cross-country movement of tracked vehicles. The average standoff distance for engagement by line of sight weapons (intervisibility) is generally limited to less than 1,000 meters due to the rough terrain and ground cover. Hydrographic conditions permit **NGF** platforms to approach the coast within range of targets ashore, but would be out-gunned by coastal defense weapons. A shortfall for operations in **Turkey** is the lack of 1:50,000 scale maps. Airfields and ports are satisfactory to accommodate strategic lift. The **Atlantic ARG** which normally operates in the **Mediterranean** would require less than two days to reach **Turkey**. **NEO** conducted by a **MEU** in **Turkey** would be very difficult due to the almost 5,000 potential evacuees and the 212 nautical miles distance from the coast to **Ankara**, the probable evacuation site.

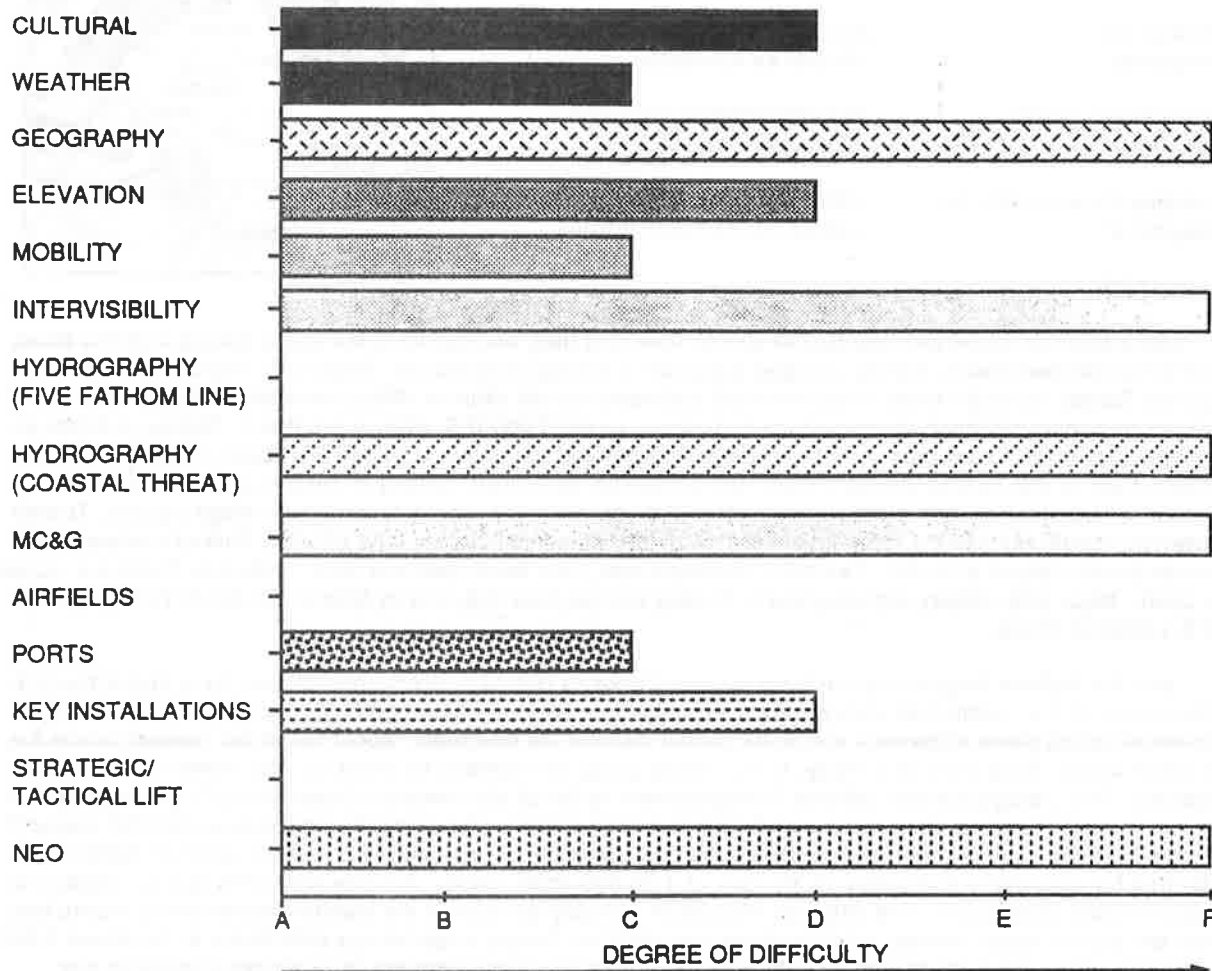
TURKEY - THREAT SUMMARY



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TURKEY - TERRAIN AND LOGISTICS SUMMARY



U.S. Equities in Turkey

- Overall U.S. equity is moderate.

Despite a setback in the 1970s over Turkish intervention in Cyprus, U.S. relations with Turkey have been good. Since 1947, the U.S. has loaned or granted Turkey more than \$4 billion in economic aid and more than \$9 billion in military assistance. The two countries are major trading partners. Besides the approximately 10,000 U.S. military personnel stationed at installations in Turkey, almost 5,000 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
241	1,483	897	450	3,071	4,972	4 4	8	Medium

Drug Threat

- Important route between **Asian** drug producers and **U.S./European** consumers.

Drug Production	Drug Processing	Precursor Chemicals	Money Laundering	Transit Point
	X			X

Traffickers take advantage of this land bridge between **Asian** producers and **European/U.S.** consumers to smuggle heroin and hashish. Some heroin is also refined in **Turkey**. There are reports of increased heroin/morphine smuggling across the **Iranian** frontier into **Turkey**.

Terrorism

- Intermittent terrorist attacks are conducted by the **Kurdish Workers's Party (PKK)** and other radical groups.

In 1988, the **PKK** was responsible for numerous attacks against **Turkish** Government officials, police, and soldiers. The group also continued to attack civilian and economic targets, particularly in the villages in southeastern **Turkey**. Large-scale arrests of radical leftists by **Turkish** security authorities in 1981 have hindered the activities of domestic groups such as **Dev Sol** and **Dev Yol**, but they may be attempting to rebuild. During 1988, the groups engaged in numerous low-level bombings to protest the trials of accused terrorists. **Turkish** ethnic separatist groups such as the **Armenians** also employ terrorist tactics. They almost always target representatives of the **Turkish** Government and the Government's interests outside **Turkey**.

Gray Arms/Technology Transfer

- **Turkey** offered to sell **Pakistan** F-16 jet fighters belonging to **General Dynamics Corporation**.

In 1987, when the **U.S.** was about to cut off military aid to **Pakistan** unless democracy was restored, **Turkey** offered to sell the **Pakistani** Government F-16 jet fighters built under a license agreement with **General Dynamic Corporation**.

Consolidated Threat

Due to its involvement in the drug trade, terrorism, gray arms/technology transfer, **Turkey** deserves special consideration by military planners.

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General Ground OOB

Infantry	Tank OOB	Artillery	Army Size (Thousands)	Quality	Total Capability Value	Rating
Draft/TR	M-48	Howitzers/SP	523	19	582	F

Ground OOB has a strength of 523,000 personnel of which 26,000 are conscripts. Army recruits receive about eight weeks of basic training and are then assigned to a unit. Some may receive further training at a branch school. Career NCOs are recruited upon graduation from secondary school and enter the Army on long-term enlistment. Regular officers are trained at a military academy at **Ankara** for three years. A general staff college in **Istanbul** trains senior officers for important, upper-echelon positions. Tanks: Leopard, M-47, M-48A1, M-48A2, M-48A5, M-48T1; Artillery: M-44A1, M-52A, M-101A1, M-102, M-108, M-109A1, M-110A2, M-114, M-115.

General Air OOB

Air OOB	Close Air	AAW (IAD)	Air Force Size (Thousands)	Quality	Total Capability Value	Rating
3d Gen Radar	Std-off PGM	EW Radar	53	19	183	F

Fighter Aircraft: F-4E, F-5A/B, F-16C/D, F-104G/S; Close Air: F-4E, F-100; Air Defense: Rapier, Redeye, and Stinger SAMs and AA guns. **Turkey's** air defense system is somewhat outdated but improvements are planned. Radar systems are being replaced or upgraded and some 3-dimensional radars added.

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	50	19	179	F

Ships: 12 Destroyers and 8 Frigates with SSMs, SAMs (Sea Sparrow Mk 29), guns, torpedoes, antisubmarine mortars, depth charges, countermeasures, fire control, and radars; SSMs: Harpoon, Penguin; Patrol Craft: 16 Fast Attack Craft-Missile with SSMs, guns, torpedoes, mines, and radars; 1 Fast Attack Craft-Gun; 4 Fast Attack Craft-Torpedo; 23 Large Patrol Craft.

Culture (Language and Religion)

Primary language - Turkish (Kurdish)
Primary religion - Islam

Non-Islamic minorities in **Turkey** include mainly **Greeks, Armenians, and Jews**. The Kurds constitute an ethnic and linguistic, but not religious, minority. The culture of **Turkey** differs significantly from that of the **U.S.**

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Public Release Approved
2021 Dated Information

Weather

Average Temperature (Degrees Fahrenheit)	Average Relative Humidity (Percent)	Average Annual Rainfall (Inches)	Rating
39-68	44	12-98	Mixed

The climate of **Turkey** is moderate in the coastal areas with lower temperatures inland. Central **Turkey** generally has hot, dry summers and cold winters.

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		

The central part of **Turkey** has wide plateaus. High mountains ring the interior on all sides but the west, with more than 20 peaks over 10,000 feet. Rolling plains are in the west with mild, fertile coastal plains in the southwest. About half of **Turkey's** population live in urban areas.

General Cross-Country Mobility

- Parts of **Turkey** are suitable for cross-country vehicular movement.

Cross-country movement for tracked and wheeled vehicles is drastically limited throughout 60 percent of the country due to mountains and precipitous slopes that dominate the area. Tracked movement throughout the remaining 40 percent of **Turkey** is restricted to low-lying area basins located mainly in the interior. Even these areas may become impassable between the months of November and April due to severe flooding and deep snow.

Intervisibility (Line of Sight)

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

Central **Turkey** consists of plateaus surrounded by high mountains in all direction except the west. Rolling plains are found in the west and along the southern coast. Line of sight distances in over half of the country would be less than 1,000 meters due to the mountains and rough terrain conditions. In the west and southern regions visibilities beyond 1,000 meters are feasible.

Hydrography (Five Fathom Line)

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

DMA Chart #	5 Fathom Line from Shore (Meters)	NFG Rating
54387	6,000	Good

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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

- 1:50,000 scale map coverage of **Turkey** is not available.

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
31	8 C-5 9 C-141B 13 C-130 1 Emergency Only.	8/23	>1/C-5

Airfields	Type Aircraft	Comments
Adnan Menderes	C-141B, C-130	-
Afyon	C-141B, C-130	Daylight only. Low runway WBC.
Akhisar Air Base	C-130	Daylight only.
Antalya	C-5, C-141B, C-130	-
Ataturk	C-5, C-141B, C-130	-
Balikesir	C-141B, C-130	Airfield has obstacles. Daylight only.
Bandirma	C-130	Daylight/VFR only.
Batman	C-5, C-141B, C-130	Daylight/VFR only.
Cardok	C-130	Daylight/VFR only.
Cigli	C-130	-
Corlu	C-5, C-141B, C-130	Daylight/VFR only.
Dalaman	C-5, C-141B, C-130	-
Diyarbakir	C-5, C-141B, C-130	Airfield has obstacles. Daylight only.
Elazig	C-130	Low runway WBC.
Erhac	C-141B, C-130	Daylight only. Low runway WBC.
Erzurum	C-130	Daylight only. Low runway WBC.
Esenboga	C-5, C-141B, C-130	Emergency only for C-5s.
Eskisehir Air Base	C-141B, C-130	Airfield has obstacles.
Incirlik	C-5, C-141B, C-130	-
Kesan	C-130	Emergency only for C-130s.
Konya	C-130	Low runway WBC.
Molatya	C-130	Daylight/VFR only.
Murted	C-5, C-141B, C-130	Airfield has obstacles. Daylight only.
Sakirpasa	C-141B, C-130	-
Sinop	C-130	Daylight/VFR only.
Sivas	C-130	Daylight/VFR only.
Sivrihisar	C-141B, C-130	Airfield has obstacles. Daylight only.
Topal	C-130	Daylight/VFR only.
Van	C-141B, C-130	-
Yalova	C-130	Daylight only.
Yenisehir	C-130	Daylight only.

Ports

- Turkey has three major ports with good capabilities to accommodate strategic sealift.

Major Ports	Harbor Size	Channel/Anchorage Depths (Feet)	Cargo Pier Depth (Feet)	Cranes
Izmir	Medium	31-35/Over 76	31-35	Yes
Mersin	Small	41-45/31-35	31-35	-
Iskenderum	Small	Over 76/41-45	31-35	Yes

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Key Installations

There are two NATO headquarters, a major air base at **Incirlık** (near **Adana**), several communications and electronics facilities, and a number of smaller **U.S.** installations in **Turkey**. Roads are fairly good around the urban centers but marginal elsewhere.

U.S. Embassy	Communications	Highways	Railroads	Major Ports	Primary Airfields	Pipeline	Oil Field	NBC
Ankara (Two NATO headquarters are located at Izmir. About 10,000 U.S. military personnel and dependants are at installations in Turkey)	- Fair telecomm - 137 Radio stations - 492 TV stations - 2 Satellite ground stations	49,615 km	8,193 km	3	31	- Crude oil - Refined products - Natural gas	None	None

Strategic and Tactical Lift

The Atlantic ARG with its embarked MEU which normally operates in the **Mediterranean Sea** could reach **Turkey** in less than two days. The AAF/ACB can arrive within 24 hours but these elements do not possess a forcible entry capability.

NEO

- Due to the almost 5,000 potential evacuees, and the 212 nautical miles distance from the coast to the city of **Ankara**, the probable evacuation site, NEO conducted by a MEU under normal conditions would be very difficult.

Embassy Staff	Evacuees	Inland Objective (nm)	Rating
300	4,972	212 (Ankara)	F

Note: In **Turkey**, the factor of NBC is of little significance.