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CENTRAL INTELLIGENCE AGENCY  
WASHINGTON, D.C. 20505

25 AUG 1980

MEMORANDUM FOR: Director of Central Intelligence  
FROM : John N. McMahon  
Deputy Director for Operations  
SUBJECT : COMBAT POTENTIALS of the Armament and  
Combat Equipment of the Ground Forces  
and Aviation of the USSR and of the  
Armies of the Probable Enemy, and Table  
of the Combat Potentials of Large Units

1. The enclosed Intelligence Information Special Report is an addendum to the original report which was issued on 2 August 1977.

2. Because the source of this report is extremely sensitive, this document should be handled on a strict need-to-know basis within recipient agencies.

*JN* John N. McMahon

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## Intelligence Information Special Report

COUNTRY: USSR/WARSAW PACT

DATE OF  
INFO. 1977

DATE 25 August 1980

SUBJECT

COMBAT POTENTIALS of the Armament and Combat Equipment of  
the Ground Forces and Aviation of the USSR and of the  
Armies of the Probable Enemy and Table of Combat Potentials  
of Large Units

SOURCE

A-D-D-E-N-D-U-M

An Intelligence Information Special Report with the above heading and number was issued on 2 August 1977. The following is an update to that report:

Source learned from the Soviet General Staff officers who authored the Combat Potentials documents referenced above that the comparisons contained in these documents were calculated on the basis of mathematical methods based on the use of a computer. Source was unable to ascertain what factors went into the mathematical equations. The Soviet General Staff officers informed Source that these tables are still valid and in current use in 1980.

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CENTRAL INTELLIGENCE AGENCY  
WASHINGTON, D.C. 20505

2 August 1977

MEMORANDUM FOR: The Director of Central Intelligence

FROM : William W. Wells  
Deputy Director for Operations

SUBJECT : COMBAT POTENTIALS of the Armament and Combat  
Equipment of the Ground Forces and Aviation  
of the USSR and of the Armies of the  
Probable Enemy, and Table of the Combat  
Potentials of Large Units

1. The enclosed Intelligence Information Special Report is a translation from Russian of two SECRET Soviet documents, consisting of tables comparing the combat potentials of USSR and NATO tanks, self-propelled artillery, infantry combat vehicles, armored personnel carriers, field artillery and mortars, antitank means, air defense means, and aircraft, and also the combat potential of USSR/Warsaw Pact and NATO ground force divisions. Some new Soviet weapons are listed. The documents are dated 1977.

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[REDACTED]

William W. Wells

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## Intelligence Information Special Report

Page 3 of 10 Pages

COUNTRY USSR/WARSAW PACT



DATE OF  
INFO. 1977

DATE 2 August 1977

SUBJECT

COMBAT POTENTIALS of the Armament and Combat Equipment of the Ground Forces and Aviation of the USSR and of the Armies of the Probable Enemy and Table of the Combat Potentials of Large Units

SOURCE Documentary

### Summary:

The following report is a translation from Russian of two SECRET Soviet documents, consisting of tables comparing the combat potentials of USSR and NATO tanks, self-propelled artillery, infantry combat vehicles, armored personnel carriers, field artillery and mortars, antitank means, air defense means, and aircraft, and also the combat potential of USSR/Warsaw Pact and NATO ground force divisions. Some new Soviet weapons are listed.

End of Summary

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Copy # \_\_\_\_\_COMBAT POTENTIALSof the armament and combat equipment of the  
ground forces and aviation of the USSR and of  
the armies of the probable enemy

Ground forces and aviation of the USSR		Armies of the probable enemy	
Nomenclature of armament	Combat potential	Nomenclature of armament	Combat potential
1	2	3	4

TANKS AND SELF-PROPELLED ARTILLERY, INFANTRY COMBAT VEHICLES, ARMORED PERSONNELCARRIERS

T-55	1.00	M60A3	1.40
T-62	1.00	XM-1 (experimental)	2.50
T-64A	1.50	"Leopard-1A4"	1.50
T-80	1.80	"Leopard-2"	2.40
T-64B	2.10	"Chieftain Mk-5"	1.50
T-72	1.50	AMX-30	1.10
T-72 with IPD-k1 [tank gun D-k1]	1.70	"Leopard-1"	1.10
T-80 (improved)	2.80	MBT-80	1.60
T-54B	0.90	M60A2	2.20
T-44	0.75	M60A1	1.10
T-34 (85-mm gun)	0.49	"Leopard-1A1"	1.40
T-10M	1.51	M48, M48A1	1.00
IS-2M	0.70	M47	1.10
IS-3	0.83	M41	0.36
IT-1	0.80	M551	0.83
PT-76	0.48	AMX-13/75-mm gun, SS-11B1	0.80
ISU-152	0.79	AMX-13/90-mm gun	0.54
SU-122	0.60	T-59	0.90
SU-100	0.55	T-62 (85-mm gun)	0.42
SU-85	0.48	T-34 (76-mm gun)	0.43
ASU-85	0.21	T-54A	0.90
ASU-57	0.18	T-54	0.87
BMP-1	0.80	Pz-61	0.60
BMD-1	0.80	Pz-68	1.00
BTR, BRDM	0.10	SU-76	0.32
		"Marder" Infantry Combat Vehicle	0.45
		BTR without antitank guided missile	0.10
		BTR with antitank guided missile	0.50

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1	2	3	4
<u>FIELD ARTILLERY AND MORTARS</u>			
76-mm gun, gun-howitzer	0.38	105-mm howitzer	0.63
85-mm gun	0.42	105-mm SP gun, howitzer	0.70
122-mm SP howitzer		155-mm howitzer	0.66
"Gvozdika" [Carnation]	0.81	155-mm SP Howitzer	0.90
122-mm howitzer	0.70	175-mm SP gun	0.75
122-mm gun A-19	0.61	203.2-mm howitzer	0.80
122-mm gun A-74	0.66	203.2-mm SP howitzer	0.84
152-mm SP howitzer		81-mm mortar	0.50
"Akatsiya" [Acacia]	0.86	51-mm mortar	0.30
152-mm howitzer	0.71	81-mm SP mortar	0.58
130-mm gun	0.70	106.7-mm mortar	0.54
152-mm howitzer-gun,		106.7-mm SP mortar	0.65
gun-howitzer	0.74	120-mm mortar	0.56
152-mm gun	0.66	120-mm SP mortar	0.71
203-mm howitzer	0.62	110-mm "LARS" artillery	
203-mm SP gun		rocket launcher	0.77
"Pion" [Peony]	0.66	115-mm artillery rocket	
82-mm mortar	0.45	launcher	0.77
82-mm mortar AM			
[vehicle mounted]			
"Vasilek" [Cornflower]	0.60		
107-mm mountain pack			
regimental mortar	0.42		
120-mm mortar	0.60		
160-mm mortar	0.60		
240-mm mortar	0.74		
240-mm SP mortar			
"Tulpan" [Tulip]	0.80		
30-mm AGS-17			
"Plamya" [Flame]	0.12		
BM-21 "Grad" [Hail]	0.87		
BM-14	0.56		
BM-24	0.70		
Grad-1	0.90		
Uragan [Hurricane]	0.95		
BM-20	0.73		
BM-13	0.40		
BM-21B	0.75		
RPU-14 [Artillery			
rocket launcher]	0.42		
<u>ANTI-TANK MEANS</u>			
"Konkurs" [Contest]	0.93	"HOT"	0.98
"Fleyta" [Flute]	0.95	"TOM"	0.95
"Falanga-M" [Phalanx]	0.70	SS-12	0.80
"Malyutka-P" [Baby]	0.67	"MILAN"	0.78
"Fagot" [Bassoon]	0.62	SS-11B1	0.70
"Malyutka" on BRIM	0.60	SS-11 SP	0.60
"Malyutka" PK	0.55	"DRAGON"	0.52
"Falanga" on BRIM	0.50	"ENEAC" SP	0.48
"Shmel" on UAZ-69		"VIGILANT"	0.40
[Bumblebee]	0.31	"COBRA"	0.40
"Shmel" on BRIM	0.37	SS-10	0.34





1	2	3	4
100-mm antitank gun T-12	0.65	90-mm SP gun "Jagdpantzer"	0.63
100-mm antitank gun BS-3	0.46	120-mm recoilless rifle	0.23
85-mm antitank gun	0.44	106-mm recoilless rifle	0.28
57-mm antitank gun	0.30	75-mm recoilless rifle	0.20
82-mm recoilless rifle	0.15	57-mm recoilless rifle	0.20
SPG-9	0.25	90-mm antitank rocket launcher	0.12
RPG-7	0.12	88.9-mm shoulder-fired antitank rocket launcher	0.10
		66-mm 4-barrel antitank rocket launcher	0.15
		66-mm antitank rocket launcher	0.05

AIR DEFENSE MEANS

"Krug" (battery) [Circle]	4.50	"Hawk" (battery)	7.88
S-75 (battalion)	4.70-	"Hawk" modernized (battery)	12.60-
S-125 (Battalion)	2.97	"Nike-Hercules" (battery)	8.10
"Kub" (battery) [Boiler]	3.00	"Nike-Hercules" improved (battery)	12.50-
"Osa" (combat vehicle) [Wasp]	0.86	"Thunderbird" (battery)	6.30
"Strela-1m" (combat vehicle) [Arrow]	0.48	"Bloodhound" (battery)	7.74
"Strela-10" (combat vehicle)	0.64	"Roland 1" (combat vehicle)	0.55
"Strela-2M" (mobile antiair missile system)	0.21	"Rapier 1" (obsolete)	0.19
"Strela-3" (mobile antiair missile system)	0.23	"Crotale" (battery)	0.90
37-mm AA gun (battery)	0.13	"Chaparral" (combat vehicle)	0.51
57-mm AA gun A-60 (battery)	0.46	"Red Eye" (mobile antiair missile system)	0.19
100-mm AA gun KS-19 (battery)	0.86	20-mm "Vulcan" SP AAA mount (obsolete)	0.12
130-mm AA gun KS-30 (battery)	0.43	40-mm AA gun (platoon)	0.41
ZSU-23-2 (obsolete)	0.11	35-mm "Gepard" SP AAA mount	0.41
ZSU-57-2 (obsolete)	0.02	"Blowpipe" (mobile antiair missile system)	0.19
ZPU-4 (obsolets)	0.09	30-mm SP AAA mount (AMX-30)	0.18
ZPU-2 (obsolete)	0.05		
DShK machinegun	0.02		
ZSU-23-4	0.22		

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1	2	3	4
		AVIATION F-16	8.5
MIG-23 m	4.0	F-14	11.9
MIG-23 s	3.0	F-15	9.5
MIG-21 bis <i>reabbed L/N</i>	2.6	FB-111	6.3
MIG-21 sm, smt	2.2	F-111A	4.8
MIG-21 s	2.0	"Mirage" .1	4.4
MIG-21 pfm reinforced	1.4	F-4E	4.1
MIG-21 pfm	1.1	JA-37	3.8
SU-24	4.0	AF-37	2.4
SU-15 bis	2.8	F-4B	3.6
SU-17 m 2	2.4	"Vulcan" V.2	3.2
MIG-27	2.4	F-104-	2.5
SU-15	2.0	F-105 D	2.4
SU-17m	2.0	A-6A, E	2.4
SU-11	1.6	"Mirage" III	2.4
SU-7 b reinforced	1.6	"Lightning"	2.4
SU-17	1.6	A-7A	2.2
SU-7 b, bm, bkl	1.4	F-9	2.0
SU-9	1.2	F-106	1.6
YaK-28	1.2	"Mirage" 5	1.6
TU-22 m	6.3	F-102	1.4
TU-22 k <i>with side-G</i>	3.2	F-100D	1.2
TU-16 k	2.8	F-5A	1.0
MI-24 V ("Shturm")		F-5E	1.7
[Assault]	2.4 ✓	F-8E	1.6
MI-24 D ("Falanga")	2.0 ✓	"Buccaneer" S.2B	1.6
MI-8 tv	1.6	J-35	1.9
		A-4E	1.8
		"Jaguar"	1.9
		"Mirage" IV A	1.6
		"Hunter", "Canberra",	
		"Vautour"	1.0
		G-91	0.8
		Mig-21f-13	0.8
		F-6, MIG-19 ✓	0.6
		MIG-17f, pf; MIG-15bis	0.4
		"Bey Cobra"	2.0 ✓
		"Troquois"	1.2

The combat capabilities of the T-55 tank, whose combat potential equals 1.0, have been used as the unit for the calculations.

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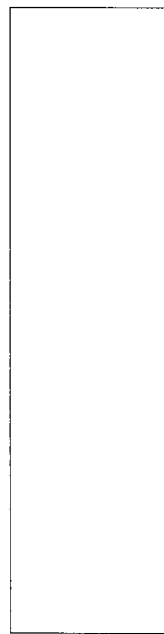
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TABLE OF THE COMBAT POTENTIALS OF LARGE UNITS

Designation of large unit	Combat potential in the rated divisions	Total combat potential in the rated units of armament	Designation of large unit	Combat potential in the rated divisions	Total combat potential in the rated units of armament
Motorized Rifle Division (T-55, BAP)	1.00	651	US Infantry Division	0.86	564
Motorized Rifle Division (T-64A, T-72, BAP)	1.18	766	US Mechanized Division	1.10	718
Motorized Rifle Division (T-62, BAP)	1.04	680	US Armored Division	1.23	803
Motorized Rifle Division (T-54B, BTR)	0.82	533	US Airborne Division	0.68	441
Guards Motorized Rifle Division (T-64A, BAP, SP Artillery)	1.29	842	US Non-organic Division	0.72	468
Guards Motorized Rifle Division (T-62, BMP, SP Artillery)	1.13	736	FRG Infantry Division	1.22	795
Motorized Rifle Division (T-64A, T-72, BTR)	1.05	684	FRG Motorized Infantry Division	1.30	849
Motorized Rifle Division (T-62, BTR)	0.92	599	FRG Tank Division	1.27	825

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Motorized Rifle  
Division  
(T-62, BMP)

1.01

660

Tank Division  
(T-64A, BMP)

1.22

793

Tank Division  
(T-62, BMP)

1.01

656

Tank Division  
(T-72, BMP)

1.21

787

Polish  
Motorized  
Division

0.67

437

Polish Tank  
Division

0.51

394

East German  
Motorized Rifle  
Division

0.75

487

East German  
Tank Division

0.72

466

Czech Motorized  
Rifle Division

0.75

490

Czech Tank  
Division

0.63

413

FRG Mountain  
Infantry  
Division

1.04

682

UK Infantry  
Division

0.39

257

UK Armored  
Division

0.77

503

Belgian  
Mechanized  
Infantry  
Division

0.68

445

Danish  
Mechanized  
Infantry  
Division

0.92

605

Netherlands  
Mechanized  
Infantry  
Division

0.94

614

French  
Mechanized  
Division

0.79

513

French  
Infantry  
Division

0.23

152

French  
Alpine  
Infantry  
Division

0.32

208

Canadian  
Separate  
Mechanized  
Battle Group

0.20

128

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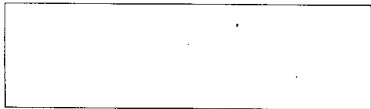
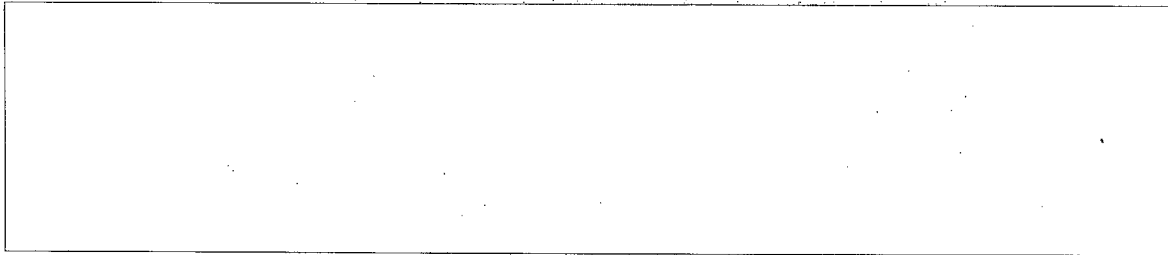
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