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PRELIMINARY

2-17-62

SUMMARY OF POPULATION FATALITIES FROM NUCLEAR WAR IN 1966
(In Millions)

I. <u>Soviet First Strike</u>	<u>No Warning for West</u>			<u>15-Minute Warning for West</u>		
	<u>U.S.</u>	<u>W.Eur.</u>	<u>USSR</u>	<u>U.S.</u>	<u>W.Eur.</u>	<u>USSR</u>
a. Urban-Industrial	--	--	85	--	--	95
b. Military and Urban-Indl.	75	115	65	75	115	75
c. Military(Groundburst)	56	85	21	56	85	33
d. Military(Airburst vs Soft)	25	15	10	25	15	21

II. <u>United States First Strike</u>	<u>No Warning for USSR</u>			<u>Usable Warning for USSR</u>		
	<u>U.S.</u>	<u>W.Eur.</u>	<u>USSR</u>	<u>U.S.</u>	<u>W.Eur.</u>	<u>USSR</u>
a. Urban-Industrial	62	49	--	85	99	--
b. Military and Urban-Indl.	38	40	70	62	70	70 ⁺
c. Military(Groundburst)	26	35	55	49	60	55
d. Military(Airburst vs Soft)	4	8	25	27	8	25

- Note: 1. On the first strike of either belligerent a urban-industrial strike option is not considered.
2. Under the Soviet first strike, options c and d, POLARIS A-3 was held in reserve for war termination bargaining. IF POLARIS A-3 were then to be assigned to the USSR urban-industrial targets, an additional 30-35 million mortalities could be inflicted.
3. Both the U.S. and USSR are assumed to have improvised fallout protection for approximately 80 per cent of the population. No civil defense program is assumed for Western Europe. Without fallout protection, the casualties in the U.S. and Soviet Union would increase by from 50% to 80%, depending on the strike option.

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SOVIET BLOC TARGETS AND U.S. AND NATO DESTRUCTION CAPABILITIES
AS OF MID-1967

(Soviet 1st Strike; Median Case; Urban-Military Targets)

Soviet Bloc Targets	Aim Points	15 Minute Warning				No Warning			
		Warheads Assigned ^{c/}		% Expected Kill		Warheads Assigned ^{e/}		% Expected Kill	
		Ia/ I	Iib/ II	I	II	I	II	I	II
Urban-Indl Floor Space	200	510	510	79	79	510	510	79	79
Total Population Fatalities:									
Unsheltered				32	32			32	32
Sheltered				26	26			26	26
Bomber/Support Bases	200	410	410	97	97	510	510	82	82
Defense Suppression	300	976	1081	95	97	976	1081	16	52
Nuclear Storage/Prod.	50 ^{e/}	122	122	94	94	122	122	16	16
Naval & Submarine Bases	50	100	100	85	85	100	100	10	10
Soft IRBM (4 per site)	100 ^{e/}	295	400	94	97	345	450	92	97
Soft ICBM (2 per site)	357	1101	1101	98	98	1101	1101	96	96
Hard ICBM (1 per site)	100	400	400	42	42	350	350	18	18
European Satellite Military Targets	240 ^{e/}	450	555	70	86	350	455	38	73
Total ^{d/}	<u>1607</u>	<u>4364</u>	<u>4679</u>			<u>4364</u>	<u>4679</u>		

a/ Case I - Includes programmed forces only; excludes NATO MRBM's.

b/ Case II - Programmed forces, plus 450 MRBM's of which 315 are on-station.

c/ "Alert Force" weapons only.

d/ Includes 240 Aim Points and 300 Warheads in Force I and 615 Warheads in Force II, in addition to the Aim Points and Warheads included in "Package I".

e/ SACEUR's 26/4 Target List (excluding Major Subordinate Command Regional Program) for MRBM's, fighter-bombers, and IRBM's:

Airfields	234
MRBM's	113
Nuclear Sites	18
Military Control	49
	<u>414</u>

Date: February 15, 1962