

NON LETHAL WARFARE PROPOSAL

TITLE: WEATHER MODIFICATION

TYPE OF EFFORT: S&T

PROPOSED BY: Code C2741 (Warhead Development Branch) NAWCWPNs,
China Lake, CA 93555-6001

CAPABILITY & USES: (1) To impede or deny the movement of personnel and material because of rains-floods, snow-blizzards, etc.
(2) To disrupt economy due to the effect of floods, droughts, etc.

TECHNICAL DESCRIPTION: By way of background, weather modification was used successfully in Viet Nam to (among other things) hinder and impede the movement of personnel and material from North Viet Nam to South Viet Nam. Since that time military research on Weather Modification has dwindled in the United States but not necessarily in the Soviet Union (Russia). Commercial weather modification is an active industry.

The approach of this proposal is to (1) determine the current state-of-the-art technology in weather modification; (2) determine the applicability of current weather modification techniques and devices to military application and utilization; and (3) generate a E&MD Program Plan(s) to modify (or develop as necessary) weather modification techniques and devices suitable for military application. Current industrial techniques and devices are not likely to be suitable for military application or meet military requirements.

The successful completion of the proposed effort and the follow-on E&MD program(s). will give the U.S. military a viable, state-of-the-art weather modification capability again.

RISK & LIMITATIONS: The risk is low in that this initial proposed study effort/investigation and its assumed E&MD follow-on involve the modification of commercial techniques and devices to meet military applications and not the development of new technology.

The application of weather modification requires suitable meteorological conditions and, therefor, has that operational limitation.

I know of no countermeasures.

PROJECT PLAN:

ACTIVITY/FY	FY-1	FY-2
Determine State-of-Art	1/2 man-year/\$65K	
Investigate Applicability to Military Utilization	3/4 man-year/\$100K	3/4 man-year/\$105K
Generate Follow-on Proposals [E&MD(s)]		1/2 man-year/\$70K
TOTALS	1 1/4 man-year \$165K	1 1/4 man-year \$175K

PROJECT COST BY FISCAL YEARS:

ACTIVITY/FY	FY-1	FY-2
Labor/Overhead	\$165 K	\$170 K
Travel	8 K	10 K
Materials/Equipment	8 K	10 K
Contracts	40 K	50 K
TOTALS	\$221 K	\$240 K

ORGANIZATIONAL CONTACT:

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