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## **Capabilities of Nuclear Weapons - Defense Nuclear Agency Effects Manual Number One, Part One, Section Two, Phenomenology - Blast, Thermal Radiation, EMP (Effects of Nuclear Weapons Series)**

*By Department of Defense, U.S. Military, World Spaceflight News, Defense Technical Information, Philip J. Dolan, Defense Nuclear Agency*

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Referenced as an authoritative source of nuclear weapons effect information in the "Nuclear Matters Handbook" along with the Glasstone/Dolan "Effects of Nuclear Weapons" text, this important Defense Nuclear Agency document provides highly technical scientific details about nuclear weapons. This ebook reproduces Volume One, Phenomenology, Section 2. (Please note that the quality of the available historic copy was not sufficient for flowing-text conversion, so it is presented here in image format particularly suited to larger ereaders. The very large two-volume work is split into four sections because of file size limitations. Also, these are sanitized public editions with redactions made by the government.)

The introduction page states: This edition of the "Capabilities of Nuclear Weapons" represents the continuing efforts by the Defense Nuclear Agency to correlate and make available nuclear weapons effects information obtained from nuclear weapons testing, small-scale experiments, laboratory effort and theoretical analysis. This document presents the phenomena and effects of a nuclear detonation and relates weapons effects manifestations in terms of damage to targets of military interest. It provides the source material and references needed for the preparation of operational and employment manuals by the Military Services".

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