

## Weapons Effects in Urban Environments

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### ABSTRACT:

Prior to fielding new weapons systems, each system must undergo thorough testing. One of the major components of this testing is the examination of the weapon's lethal effects. These trials examine the results of experimental weapons systems in multiple environments and against numerous targets. The final result of these trials is a lethality analysis that demonstrates predicted effects against humans, buildings, vehicles, or other types of targets. These analyses are used to form an important part in creating the doctrine for the employment of the weapons. This presentation will focus specifically on the lethality analysis for the Guided Multiple Launch Rocket System (GMLRS) from a test shot on 29 June 2006. It will demonstrate the process of the analysis from the actual experimentation, gathering of information, predication through simulations, and the comparison of reality versus simulation.

**KEYWORDS:** GMLRS, lethality analysis, weapons effects

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