

Title: "Design and Development of Military Gas Filters: Optimizing Performance for Individual Respiratory Protection"

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The Joint Project Manager for Individual Protection (JPM IP) has launched an initiative to aggressively pursue technologies with high potential to deliver advanced respiratory and ocular protection capability to the warfighter. JPM IP is actively engaged with government, industry and academia representatives in the design and development of technology and equipment that can provide reduced breathing resistance, increased protection against Toxic Industrial Chemicals (TIC) and Chemical Warfare Agents (CWA), reduced weight and size, reduced cost, and will incorporate effective indication of residual filter life. The refinement of an approach employed to improve equipment capability with respect to TICs will be presented. Historical and current technologies, as well as a vision for future technologies will be discussed in the presentation.