

Storm Shadow: Achievement of an IM compliant Lethal Package

STORM SHADOW is a long range, conventionally armed cruise missile, optimised for the attack of hardened and high value fixed targets.

The **BROACH** (**B**omb **R**oyal **O**rdnance **A**ugmenting **C**harge) lethal package is integrated into the centre section of the missile. **BROACH** consists of a Precursor shaped Charge, Follow Through Bomb penetrator, and two Safety and Arming Units.

All explosive compositions used in the Lethal Package have been chosen for their insensitivity to thermal and shock stimuli. A number of mechanical mitigation features have been incorporated into the build of the lethal package to achieve compliance with exacting Insensitive Munition requirements.

The presentation will provide an overview of the design principles, and the work undertaken during the design development programme to demonstrate IM compliance.

This work has enabled the **STORM SHADOW** missile to enter service in the UK , having demonstrated compliance with the MoD Insensitive Munitions requirements.