



MASB 01-91

11 February 1991

**Bofors Presented at the Bofors Effect Symposium 90**

**Background:** AB Bofors of Nobel Industries in Sweden held a warhead effect symposium on September 24-28, 1990, in Karlskoga, Sweden. The primary purpose was to highlight the methods used for calculating the effect of proximity-fuzed ammunition on aerial targets and the modeling and vulnerability description of aerial targets and components. Bofors has carried out several tests on real targets and the results were revealed for the first time at this symposium. Approximately 60 persons from 15 countries attended the symposium. Live firings at a simulated antiship missile at the Bofors proving ground was included in the program.

- **Firing Results - 40 mm Prefragmented Shells Against Westland Wessex Helicopter - Tommy Karsberg**
- **Effect Assessment of Proximity-Fuzed Shells by the Crush Volume Method - Ingrid Gyllenspetz**

Copies of the following papers are obtainable through Office of Naval Research European Office:

**ONREUR point of contact:** CDR Dennis R Sadowski, USN, Aerospace Systems Technology Officer.

- **Design and Vulnerability of Present and Future Aerial Targets - Ulf Melhus**
- **Target Vulnerability and Warhead Effect Assessment - Åke Persson**
- **Implementing the Vital Parts Method-LMP 3 - Anna Beckman/Bengt Nilsson**
- **Bofors Computer Program for Calculating Effects in Aerial Targets - Torsten Rönn**
- **Basic Data on Bofors 40 mm Proximity-Fuzed Prefragmented Shells - Jan-Olof Blix**
- **Aircraft Components Vulnerability Tests - Lennart Pettersson**
- **Bofors Fighter Bomber Model - Torsten Rönn**
- **Effect Calculation Results - 40 mm Proximity-Fuzed Ammunition Against a Fighter Bomber - Tommy Karsberg**
- **Lethality Verification Tests - 40 mm Prefragmented Shells Against a Swedish Fighter Bomber - Torsten Rönn**
- **End-game Simulations - Heinrich Dorsch**
- **Bofors Missile Model with Calculation Results - Tommy Karsberg**
- **Missile Target Test Results - Tommy Karsberg**
- **Air Target Vulnerability Assessment Method - Terrance Henshall**
- **Bofors Attack Helicopter Model - Åke Persson**
- **Effect Calculation Results - 40 mm Proximity-Fuzed Ammunition o Against Attack Helicopter - Tommy Karsberg**
- **A Method to Calculate the Effects of Fragments on Aerial Targets - P. W. Doup/K. F. Chan**

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