

AN INTRODUCTION TO THE SUPER HEAVY IMPROVISED EXPLOSIVE LOADING DEMONSTRATION (SHIELD) TEST PROGRAM

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ABSTRACT

Vehicle-borne improvised explosive devices (VBIEDs) continue to be a threat world-wide. Due to the pervasive nature of the threat and shared interests in developing means of protection, a common interest was identified between the partner countries of Sweden, Germany, Switzerland, Norway, and the United States to conduct a very large blast test as a means of assessing force protection methods and determining VBIED forensic signatures. The Super Heavy Improvised Explosive Loading Demonstration (SHIELD) Test is a multinational project aiming to conduct a very large full-scale blast test at Älvdalen shooting range, Sweden in 2019. The overall aim is to contribute to a safer environment for both civilian and military interests. This will be accomplished by verifying and validating physical protection solutions and fortified constructions, and by improving and expanding forensic data collection and assessment methodologies. This paper presents an overview of the SHIELD Project, including the types of structures to be evaluated and the data which will be collected by the partner countries.

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