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Title: The SPACIDO : a Course Correction Fuze System

Abstract Text: Since 2004, Junghans T2M and NEXTER Munitions are cooperating on a French DGA program for artillery precision enhancement. This System, called SPACIDO®, is today in its last step of development and qualification. It will be implemented soon on the French artillery CAESAR® system. SPACIDO® is mainly composed of a course correction fuze and a ground base (Muzzle Velocity Radar and Ballistic Computer). The fuze is a state-off the art multi-function fuze equipped with an air brake mechanism that changes the aerodynamics profile of the shell when deployed. SPACIDO® is GPS independent. The air-brake deployment time is calculated by the ground base by measuring changes of the velocity of the shell. The calculated correction order is sent to the fuze via a radio link. Thanks to its terminal effectiveness and increased precision, SPACIDO® is a smart solution to reduce collateral damages and logistic burden. This System is compatible with any existing and future artillery system (155mm and 105mm gun and ammunition) and is compliant with JBMoU. Several firing campaigns have just been carried out during the last months. They have demonstrated the gain of operational performances compared to conventional fuzes. The presentation will describe the fuze and base ground features. It will also present the latest firing test results.