DGA/CEG KNOWLEDGE MANAGEMENT OPERATION RELATED TO MECHANICAL AND THERMAL EFFECTS OF LOW ALTITUDE NUCLEAR WEAPON EXPLOSION

Roland Puech

DGA / DCE
Centre d'Etudes de Gramat – 46 500 Gramat – France

The nuclear threat decreases although by far not vanished. Taking into account of this new geopolitical context and in order to ensure its expertise ability in a constrained human resource environment, FR/DGA/CEG decides to lead a Knowledge Management (KM) operation related to mechanical and thermal effects of low altitude nuclear weapon explosion. Since the 1970 years, skills in this area of competence has been achieved. In experimental fields, facilities (Large blast Simulator and Thermal Radiation Simulator) have been finalized. In numerical fields, codes which reproduce the blast propagation around systems or infrastructures and give their mechanical response against these pressure loadings have been improved and validated. This poster presentation has one main purpose which is to succinctly present the framework of our KM approach. More in detail, the poster will contain :

- general remarks of our KM operation strategy : appointment and inventory of technical sub domains related to mechanical and thermal nuclear weapons effects – sort criterion of knowledge
- presentation of our KM modus operandi : general remarks about the way we have put our KM operation in practice
- presentation of some screenshots supplied by the Customer User Interface of the computer tool