

# **Underground Mine Emergency Response Evaluation: Technical Mine Rescue Simulations and Evaluations during the 2016 International Mines Rescue Competition (IMRC)**

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The purpose of this paper is to present the technical knowledge and skills evaluation criteria that were incorporated into the simulation and competition tasks of the 2016 International Mines Rescue Competition (IMRC). The goal is to allow the broader International Mines Rescue Body (IMRB) to review the decision making process used by the technical planning committees, the constraints and allowances of the simulations, as well as the evaluation criteria.

The scope of the analysis includes pre-planning decisions and rules affecting site and team preparations, judging and personnel selections, risk assessments and trial simulations, and analysis of evaluation criteria including team responses and post-event back analysis of fairness. Out of scope are the IMRC 2016 events and logistics beyond the technical tasks and procedures.

The method by which this analysis took place is the review of all rules and planning documentation, evaluation documentation, and the review of photo and video documentation taken during the event.

Results will be presented at the 2017 IMRB Conference with the goal of allowing the international community to provide feedback that will be critical to improving the IMRC at each successive event.