

DHS Science and Technology Directorate

Critical Incident Management Technology Assessment (CIMTA) Hosted by the National Urban Security Technology Laboratory

What is CIMTA?

The Critical Incident Management Technology Assessment (CIMTA) will provide urban first responders with an opportunity to assess emerging technologies in a realistic, urban, large-scale critical incident response exercise to enhance their response effectiveness.

Conducted by the U.S. Department of Homeland Security (DHS) Science and Technology Directorate (S&T), First Responders Group (FRG), National Urban Security Technology Laboratory (NUSTL), the event will run in conjunction with an incident response exercise led by the New York City Police Department. The New York City Fire Department and Metropolitan Transit Authority will also participate in CIMTA.

First Responder Engagement

DHS S&T is engaging New York City response agencies in the planning and execution of CIMTA 2017. With input from local response agencies, S&T seeks to:

- Identify regional priority capability gaps and potential technology solutions;
- Integrate relevant and emerging technologies into response scenarios; and
- Collect feedback on technologies for refining and guiding future homeland security technology investments.

Capability gaps and potential technologies will be reviewed with New York City first responder agencies to ensure the assessment best addresses responders' needs, interests and priorities, and benefits the homeland security enterprise as a whole. Participating first responders will be trained on and will experiment with technologies identified as possible solutions to meet priority capability gaps.

Participants will also be in the unique position to influence the development of new technologies and provide recommendations for future DHS S&T investments through their field technology assessments.

Technology Selection

DHS S&T will select three to five technologies suitable for operational experimentation in urban environments. The selected technologies may address any or all of the following capability gaps:

- Wide-angle thermal imaging cameras
- Video content analysis and video analytics
- Hand-held mobile detection and collection equipment
- Indoor shot detection capabilities

First Responder Benefits

First responders participating in CIMTA 2017 benefit by:

- Field-testing technologies before making potential technology investment decisions;
- Influencing the development of new technologies to best meet their needs through their feedback; and
- Collaborating with technology developers, responders, and federal, state and local agencies.



NUSTL engineers with first responders during an operational study in a New York City subway.

Participation

To submit a technology for potential inclusion in CIMTA 2017, contact NUSTL@hq.dhs.gov.



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To learn more about CIMTA 2017, contact the National Urban Security Technology Laboratory at NUSTL@hq.dhs.gov.