HAZCOMMAND

ASSESSING RESPONDER ADHERENCE TO LOCAL AND NIMS/ICS PROTOCOLS VIA SIMULATION

Jonathan Kaye, PhD
Andrew English, PhD
I David Daniels, MHRM, MFireE
James Murphy
www.CommandSim.com

Equipment Simulations LLC

CommandSim ™ Virtual Training. Real Results.

Lots of protocols/rules responders are supposed to follow…

But how is adherence typically evaluated?

Equipment Simulations LLC

Project Aim:

Create a model credentialing platform for assessing operational competency of initial company officers responding to HazMat incidents, with particular emphasis on Command

Purpose:

Enable JHA (Jurisdiction-Having-Authority) organizations to evaluate candidates effectively in a performance-based way, using computer simulation—could be <u>basis for a National model</u>

Equipment Simulations LLC

Platform Consists Of

- Proven computer simulation system (**COMMANDSIM**)

- Comprehensive scoresheets with crosswalks to local SOP's and Federal Guidelines (NFPA 1026, 1500, 1521, 1561, and 1710)

- Set of scenarios that cover Philadelphia SOP's, including industrial, confined space, radiological, and highway incidents, among others

- Reliable evaluation metrics, evaluator instruction, and an HSEEP-compatible training process

Equipment Simulations LLC

How COMMANDSIM Works

FACILITATOR

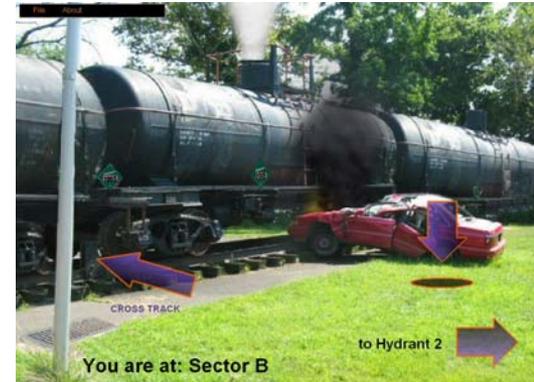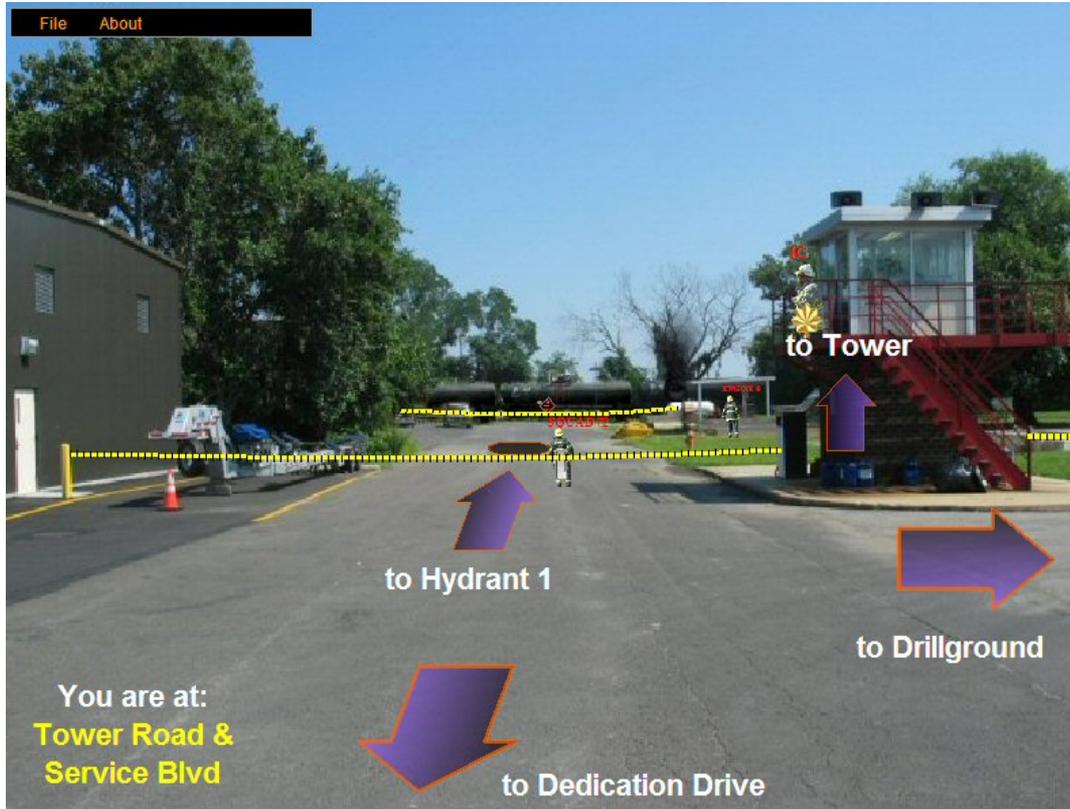COMMAND POST

OTHER
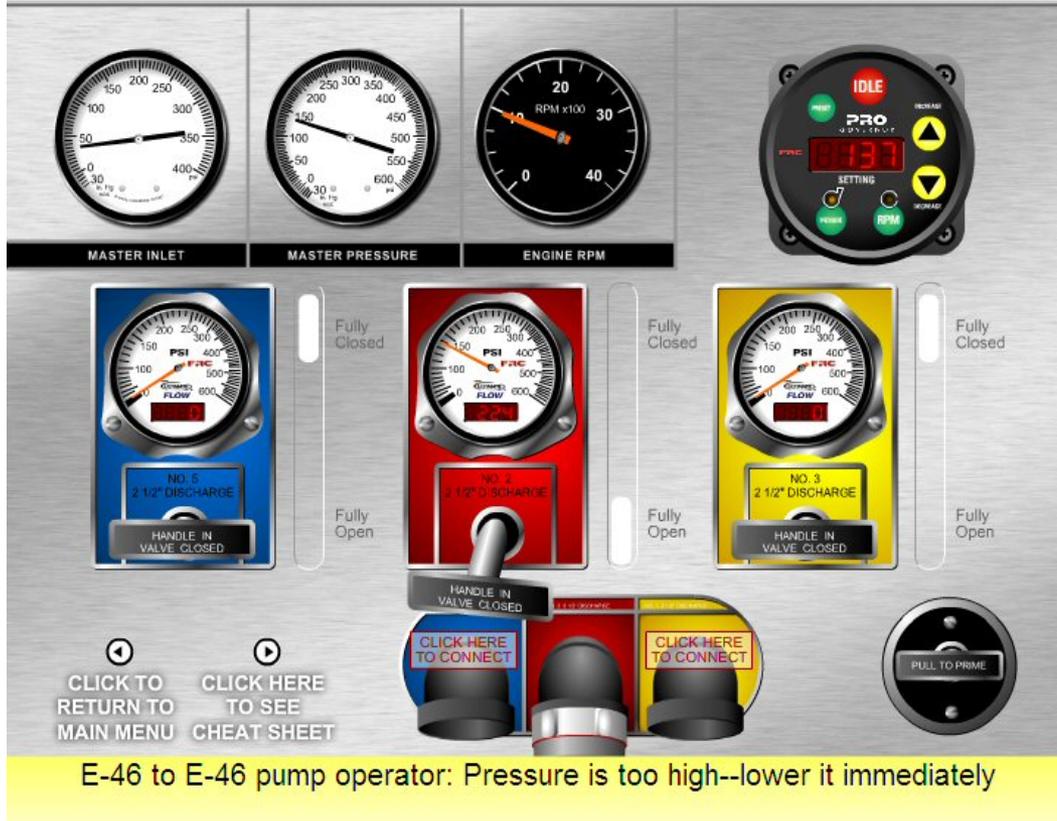RESPONDERS

Equipment Simulations LLC

How CommandSim Works

HOW COMMANDSIM Works

Command, Strategy, Tactics, Communication, & Equipment

Plan
June 2008 – June 2010

- Year 1
  - Prepare/develop materials

- Year 2
  - Perform formal testing:
    - Test the process on 40 Philadelphia officers (~10% of Department)
    - 8-10, sessions (two days) involving 4-6 fire companies each session

Equipment Simulations LLC

Research Partners

- Philadelphia Fire Department
- Maryland Fire Rescue Institute (MFRI)
- Massachusetts Dept. of Fire Services
- Utah Fire Rescue Academy

and other COMMANDSIM customers…

Equipment Simulations LLC

Commercialization

- COMMANDSIM has become an industry leader platform for ICS

- 12 Customers for Multiplayer Platform

- 50 Customers for Standalone Platform

We want to work with you!

Equipment Simulations LLC

Thank You!

- Come see demo outside today
- Jonathan Kaye, PhD
- jmk@eqsim.com
- (215) 627-8146

Equipment Simulations LLC