

Defense Threat Reduction Agency Nuclear Detection Division (RD-NTD)

ADSA – 19, Rapid Response to an Adapting Adversary

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Overview



- Perspective
- DoD Perspective on Rapid Response to an Adapting Adversary...within Nuclear Detection / Screening

Not your standard brief



Perspective – My son at 14





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Perspective – What I see...protecting



2004-2005

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Perspective – Good Career?



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Perspective – Still a good career?





Perspective – My daughter at 12





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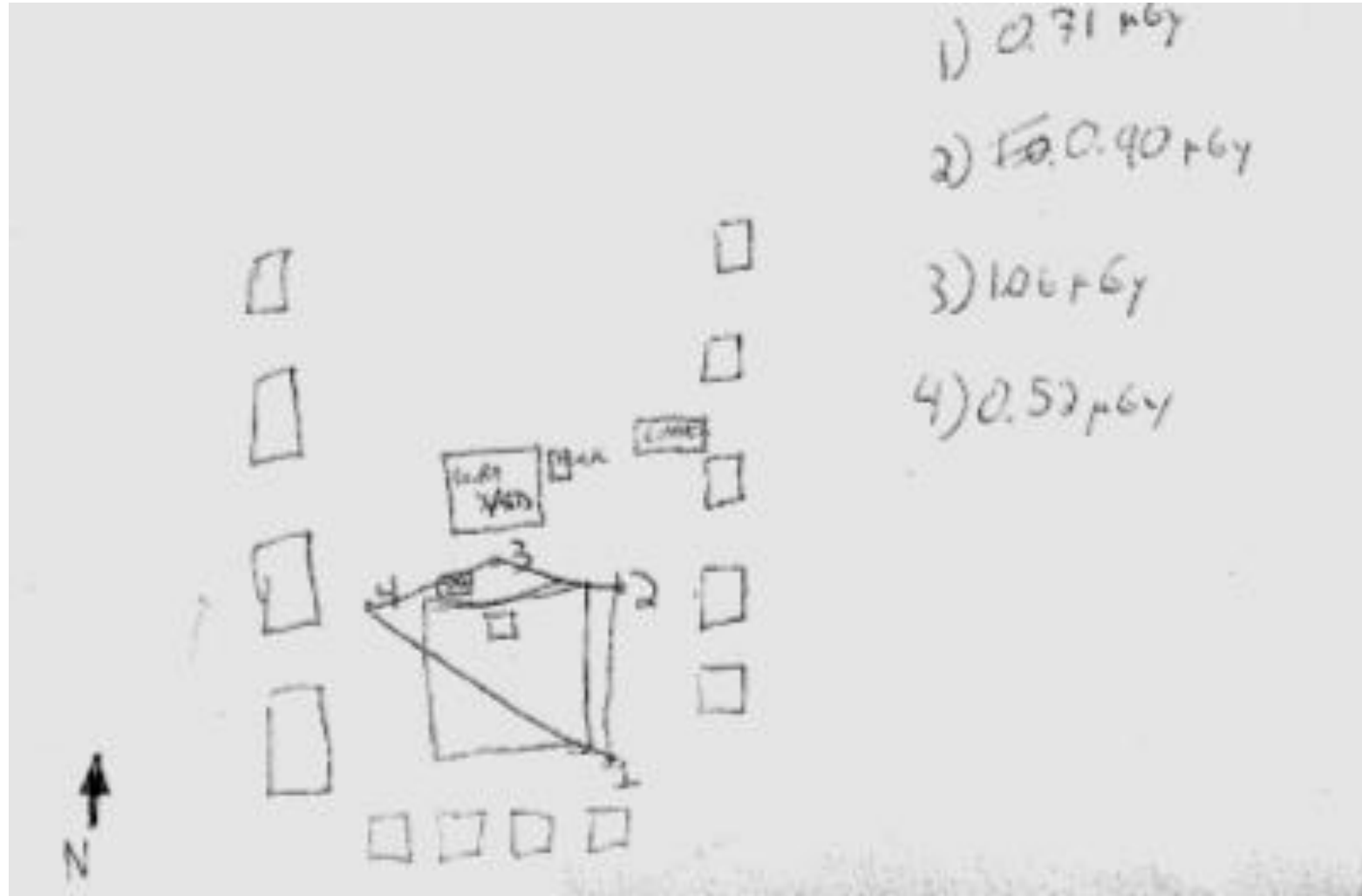
Perspective – How she started



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Perspective – Stryker today





Perspective – Stryker tomorrow





The real slide 1.5/2.0



- Introduction
 - Webb's R&D background: ATR and Nuclear Detection
- Mission 1: Find the bomb, literally....
- Mission 2: Nuclear screening

Rapid Response to an Adapting Adversary



DoD Nuclear Screening



- Setting – National Guard supports large, CONUS events
 - Most are self-contained like an airport....i.e. US Open
 - Some are wide open....i.e. Boston Marathon
- Problem
 - Detect the presence of nuclear material at speed / imperfect equipment
- Philosophy
 - Layered, continuous screening...maybe not overt
 - False negatives are bad; false positives are acceptable

Rapid Response to an Adapting Adversary



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Questions



- How does DoD deal with equipment, methods, concepts that are imperfect (e.g., less than perfect detection and false alarms)
- Is TSA creating the impression for the public and Congress that their equipment is perfect?
 - Should TSA change this perception and how would/could they change that perception.

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Rapid Response to an Adapting Adversary



- Listen to the Users / Operators
 - They are working the problem
 - They aren't scientist....and that's good
- Collaborate, Collaborate, Collaborate
 - Among existing sensors / platforms (1+1=more than 2)
 - See ASDA05/06, Fusing Technologies....
 - Among researchers / developers...which is why we are here
 - Among users, i.e. CONOPs



Thank for YOUR Service



- Your work is vital
- Your work is in service to our nation
- No, I am not a pilot nor an Astronaut