

# Introduction

## PCSF – Control Systems Technical Security Metrics Interest Group June 7, 2006 - La Jolla, CA

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National Cyber Security Division



Homeland  
Security

# Our Working Definition

- A **Technical Security Metric**--is the security relevant output from an explicit mathematical model that makes use of objective measurements of a technical object.

# Interest Group Objectives

- Develop and propose technical security metrics to support:
  - security standards
  - procurement specifications
  - best practices
  - security R&D
  - quantitative estimates of risk reduction

# 1<sup>st</sup> Breakout Session Objectives

- Share some metrics background information.
- Discuss needs, issues, and opportunities related to technical security metrics.
- Form relationships and initiate new collaborations in R&D / Technical Development.
- Assess level of interest in completing formation of interest group, or forming working group, or ...

# Agenda

- Miles McQueen, INL
  - Kevin Staggs, Honeywell
  - Paul Dorey, BP
  - Cliff Glantz, I3P
  - Eric Byres, Wurldtech Analytics, Inc
  - Ann Miller, UMR
  - Miles McQueen, INL
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- Welcome and objectives (7 m)
- Security metrics in practice--Honeywell (15 m)
- Measurement in PCS security--BP (15 m)
- Development of metrics for oil and gas sector (15 m)
- Creating practical security metrics (15 m)
- Examples of current academic research (15 m)
- Examples of INL research in technical metrics (8 m)
- Open discussion of how to proceed (30 m)



# Homeland Security