

*The opinions expressed by the briefer do not necessarily reflect those of the
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Light Speed Acquisition in a Restrictor Plate Environment



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19 May 2009**



Threats to Air Force Networks

2008



127 Incidents
(Over 300% increase)

December 1998 – January 2003
 Most activity from moderately skilled individuals

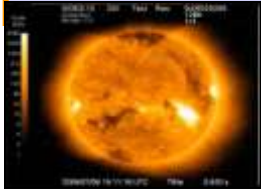
- Hackers, Script kiddies, Criminals

2007: 33 validated incidents
 2008: 127 validated Incidents

- 75% were preventable
- Patches/updates
- Incorrect configuration
- Poor settings



February 2003 – 2005
 Skilled / organized actors (possibly state-sponsored)



- Physical destruction
- Forces of Nature
- Nation States
- Non-State Actors

2005 – Present
 Trend reports identify associated state-sponsored attacks



“As the nation with the world’s most advanced armed forces, we can’t afford to risk losing the freedom of action in the cyberspace domain.”
 - SECAF Jun 07

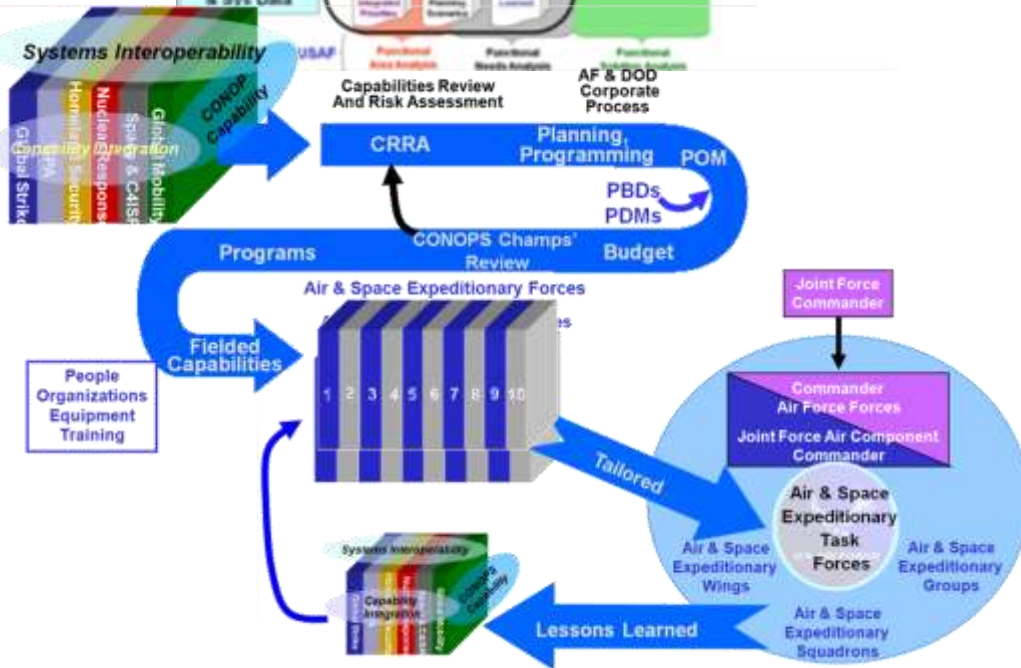
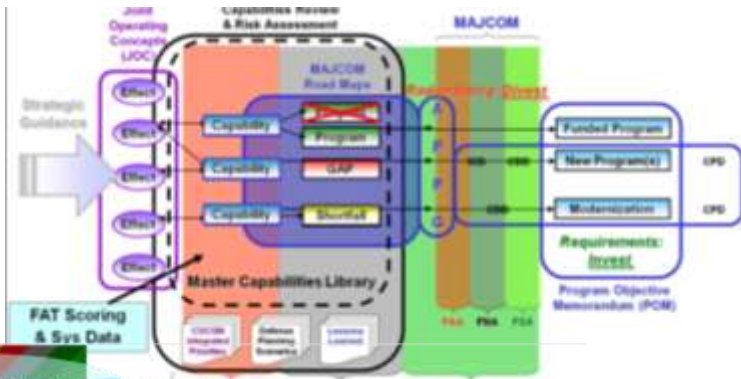


Unconstrained Asymmetric Threat

Us

V.S.

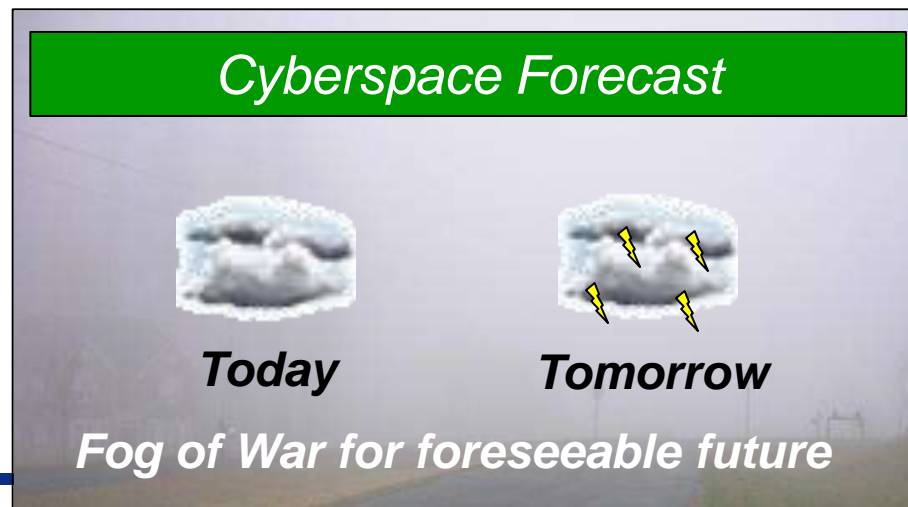
Them





C2 in a Chaotic Environment

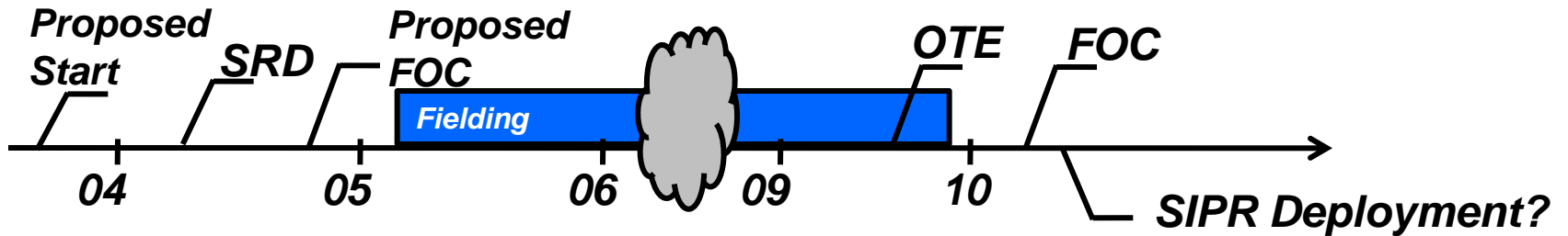
- **Air Force networks are heterogeneous**
 - Disparate architectures & configurations
 - Tactical blue forces with differing capabilities/expertise
- **Limited integration of C2 & situational awareness tools**
- **Fighting multiple adversaries simultaneously with varying capabilities/intent**
- **Exploitation tools readily available to adversaries**



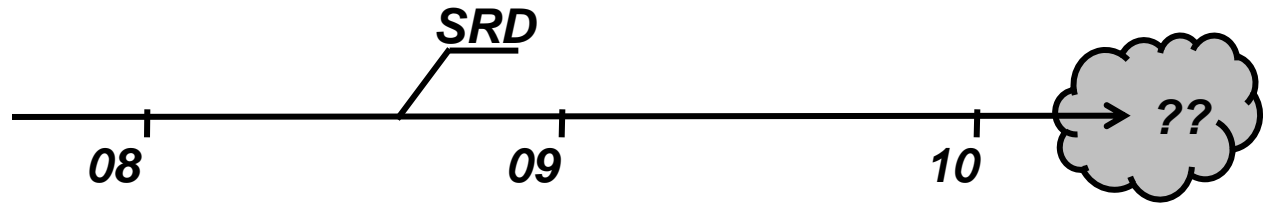


...the speed of light?

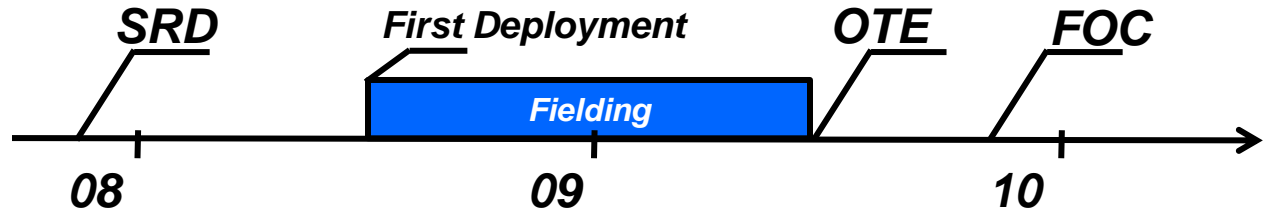
Block 30 sp1



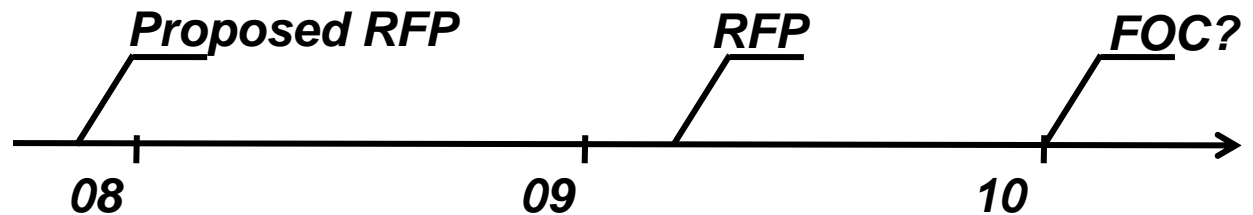
Block 30 sp2



Block 35 VLMS



Block 40 CCS





Questions?