



The Emerging Operational Environment



Threat Considerations

- Electronic Warfare
- Integrated Air Defense
- Counter Space & PNT
- Cyber & Social Media
- Recon-Info-Strike Complex
- Extensive use of UAVs
- Massed Artillery & Forces
- Protection
- Proxies
- Deception & Ambiguity
- CBRNE/WMD

OE Trends

Speed of Human Interaction





Economic Disparity

Science & Technology

Strategic Posture

Four (+1)



Near Peer Competitor



Regional Actor (Nuclear)

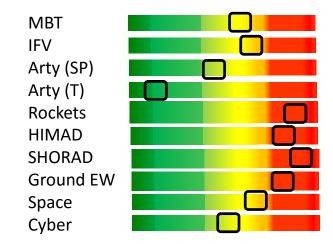


Regional Actor (Non-Nuclear)



Radical Ideologue

Potential for Conventional Overmatch



Potential Game Changers



Laser Weapons



Synthetic Bio



RF Weapons



Internet of Things



Energetics



AI/Robotics





Chem / Bio Weapons

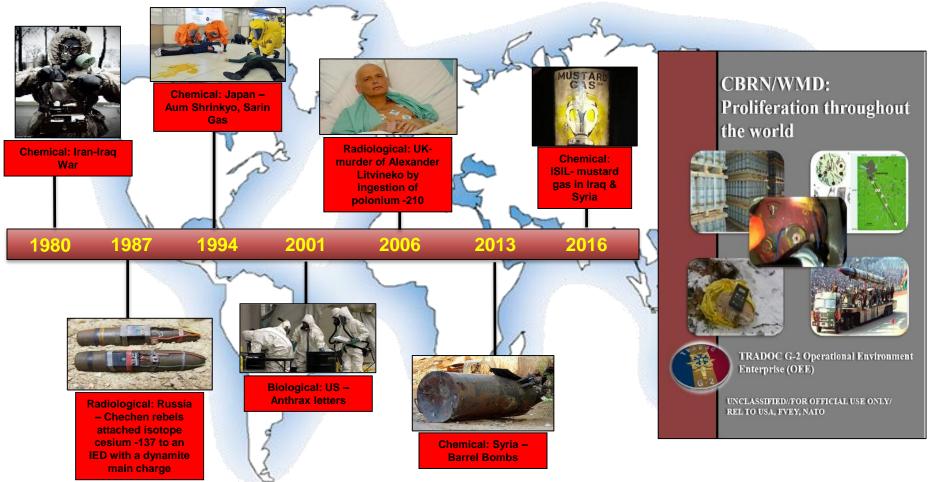
EDKEW(Rail Guns)

3rd Offset is essential to keep pace...increase emphasis on game changing technologies now!



Significant Events: State and Non-State Owned Improvised CBRN





WMD in their various forms have been around for a number of years; their improvised counterparts are a relatively recent addition and all will be present in the Operational Environment well into the Future



Conclusions





... Increasing Capable Adversaries



... Employing disparate organizations



... With increasing potential to achieve technological advantage



... Utilizing physical terrain, cyber, and the human dimension







Discussion