Five modes of grey zone

Deniable attacks
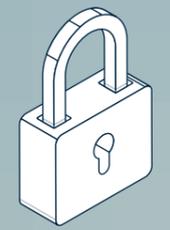
Scenario: Cyber-attack on utilities

Existing	Adapted
- Manual pen testing - Dependence on national grid - Dependence on mobile networks	- Machine learning driven pen testing - Standalone power generation and storage - Encrypted push to talk handsets

Scenario: EM attack on bank

Existing	Adapted
- GNSS clocks - Manual identification of attack	- Atomic clocks - EM detection system

EMP
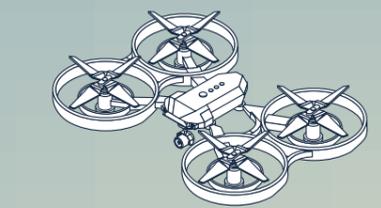
Scenario: Drones shut down airport

Existing	Adapted
- Eyewitness reports - Hard kill measures (nets and projectiles)	- 3D radar for early detection - Directed RF counter drone system

Scenario: Assassination by poisoning

Existing	Adapted
- Disparate information shared - Manual CCTV monitoring	- Disparate information fused - Smart sensing and AI-driven CCTV review

Information operations
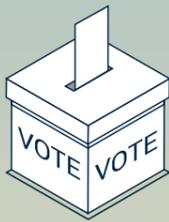
Scenario: Foreign electoral intervention

Existing	Adapted
- Manual fact checking to identify disinformation	- Human-machine teaming to identify disinformation

Scenario: False text messages

Existing	Adapted
- Unsecured personal devices - 4G networks	- Secure handsets

Use of proxy forces
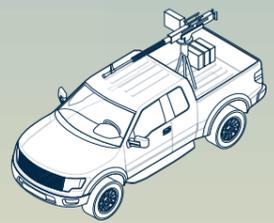
Scenario: Proxy fighting force enters city

Existing	Adapted
- Drones for visual surveillance - Detectable explosives to disable comms	- Drones for signals intelligence - Undetectable directed energy weapons to disable comms

Scenario: Terrorist attack on office

Existing	Adapted
- Manual web monitoring - Armed response teams for hostage situations	- AI-based web monitoring - Novel covert weapons to reduce risk to hostages

Economic coercion
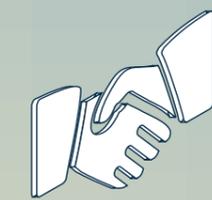
Scenario: Adversary purchases and turns off oil refinery

Existing	Adapted
- Military force employed to seize control	- Capability overmatch deters adversary from initial purchase

Territorial encroachment

Scenario: Adversary seizes sea lane

Existing	Adapted
- Radar tracking of vessels in area - Manned patrol vessels conduct reconnaissance	- UAV signals intelligence to assess vessels' intent - Covert unmanned vehicles operated at standoff distance
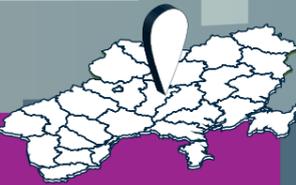
Scenario: Annexation of sovereign territory

Existing	Adapted
- Few signals intelligence sources - Destroy enemy infrastructure using explosives or projectiles	- Multiple intelligence sources fuse data to build tactical picture - Covert disabling of enemy infrastructure using directed energy weapons handsets