Five modes of grey zone

**Deniable attacks**
- 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

**Information operations**
- Existing: Eyewitness accounts
- Adapted: AI-based web monitoring
- Manual fact checking to identify disinformation
- Human-machine teaming to identify disinformation

**Use of proxy forces**
- Existing: Shares for surveillance
- Adapted: Shares for surveillance, directed energy weapons to disable targets

**Economic coercion**
- Existing: Manual web monitoring, manual web neutralizing
- Adapted: Manual web monitoring, smart sensing and AI-driven CCTV review

**Territorial encroachment**
- Existing: Eyewitness reports
- Adapted: Multi-sensor intelligence fusion, directed energy weapons to disable targets

**Scenario: Cyber attack on utilities**
- GNSS clocks
- Manual identification of attack
- Atomic clocks
- EM detection system

**Scenario: EM attack on bank**
- Unsecured personal devices
- 4G networks
- Secure handsets

**Scenario: Foreign electoral intervention**
- Machine learning driven pen testing
- Manual fact checking to identify disinformation
- Human-machine teaming to identify disinformation

**Scenario: Proxy fighting force enters city**
- Military force employed to seize control
- Capability overmatch deters adversary from initial purchase

**Scenario: Adversary purchases and turns off oil refinery**
- Manual web monitoring
- Armed response teams for hostage situations
- AI-based web monitoring
- Novel covert weapons to reduce risk to hostages

**Scenario: Terrorist attack on office**
- 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**
- Eyewitness reports
- Hard kill measures (nets and projectiles)
- 3D radar for early detection
- Directed RF counter drone system

**Scenario: Drones shut down airport**
- Disparate information shared
- Manual CCTV monitoring
- Disparate information fused
- Smart sensing and AI-driven CCTV review

**Scenario: Assassination by poisoning**
- Disparate information shared
- Manual CCTV monitoring
- Disparate information fused
- Smart sensing and AI-driven CCTV review

**Existing Adapted**
- Cyber-attack on utilities
- EM attack on bank
- Foreign electoral intervention
- Proxy fighting force enters city
- Adversary purchases and turns off oil refinery