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Chief Digital & Artificial Intelligence Office

How Data & Analytics are Changing How the DoD Supports Incident Response

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Agenda

- Incident Response Mission

- Historical DoD Response Operations

- Israel Incident Response

- Future Incident Response Goals

Incident Response Team Mission

The Incident Response (IR) team consolidates all data, analytics, and visualizations that inform DoD senior leadership decision-making in any crisis world-wide

Team Composition:

- Four product lines – Kinetic, Pandemic, HADR, NEO

- Geographically dispersed – EUCOM, Pentagon, INDOPACOM

- Easily surges to 24-hour operations

Historical DoD Response Operations

- Incident occurs
- National Military Command Cell (NMCC) stands up Crisis Management Team (CMT)
- Appropriate COCOMs start collecting information
- NMCC establishes reporting requirements
- COCOMs send updates and reports, which NMCC validates and aggregates for collective understanding
- Working groups address changes and define new reporting requirements
- Decentralized data storage must be continuously deconflicted

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Israel Incident Response

- The IR team had developed baseline NEO tools that served as a starting point for DOD's response
- The IR team collected requirements in daily sync meetings from all stakeholders
- Advana served as the point of data integration, from which all organizations pulled the same data
- User-driven data input to Advana replaced periodic reports, and were immediately available for mass access
- Working groups identified operational requirements, which the IR team used to identify relevant data sources and tool modifications

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Future Incident Response Goals

- The IR team is identifying/acquiring authoritative data and building baseline capabilities for future incidents

- Exercises like GIDE improve data-driven planning, risk assessment, and improved algorithms/tools

- Increase controlled data sharing to all of government

- Automate recommendations for risk mitigation, campaign assessments, and predictive analytics

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Questions?