Top Level Domain Incident Response “Recovery” Checklist

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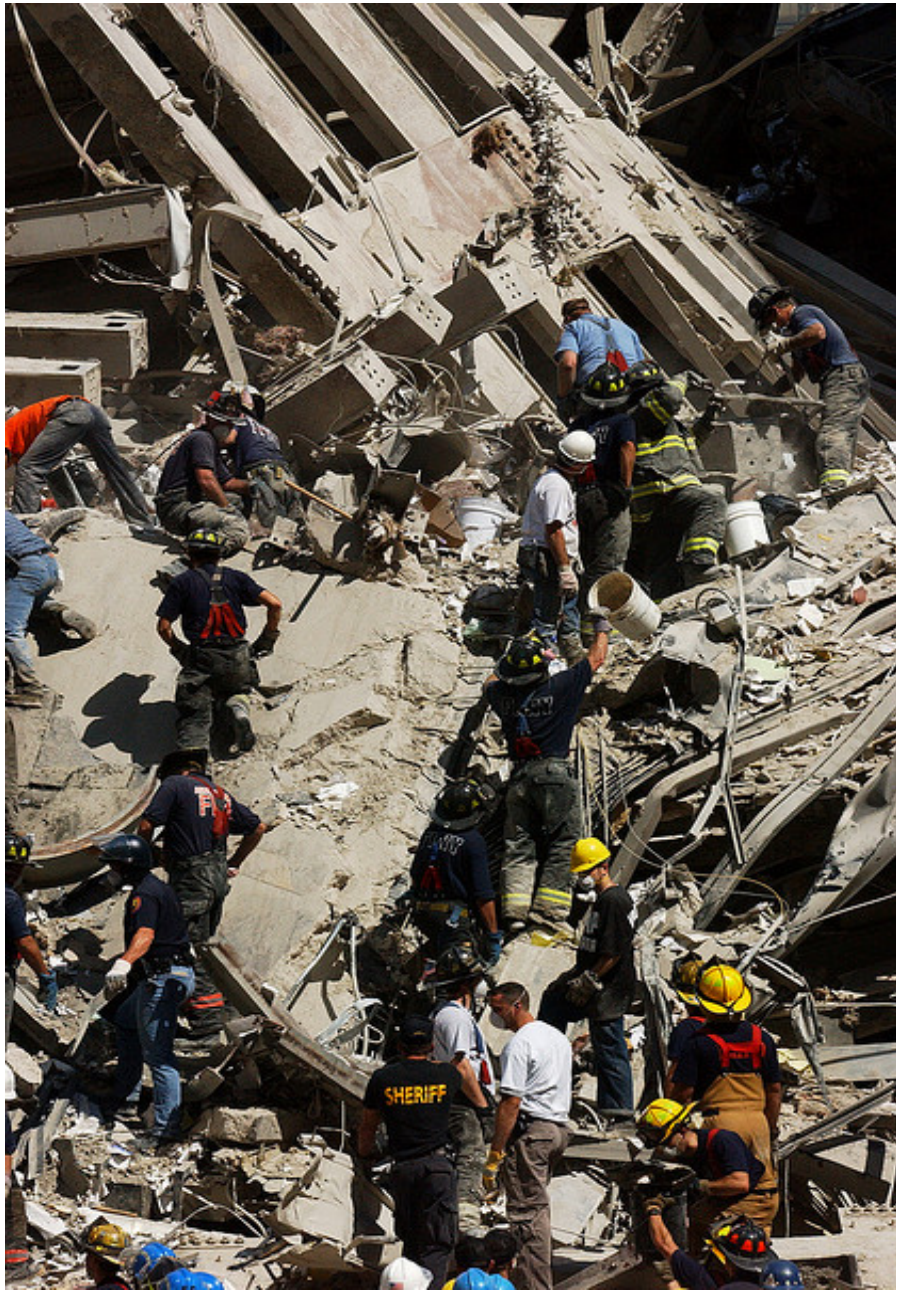
VP Security and ICT Coordination

ICANN

Collaborative Effort

- ICANN security team
- MarkMonitor
- The affected registry operations staff
- NSRC
- Farsight



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Disclaimers

- High level:
  - not exhaustive
- Not legal advice
- Not a policy document

Guidelines

- List of actions a registry operator should consider if an authoritative name service is compromised

Time Horizons

What we cover

- Investigations Basics
  - Preserving the scene
  - Basic forensics
  - Reporting criminal acts

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Restoring Service

- Building from scratch while “hardening” during this process
- Recovery or restoration of other affected services

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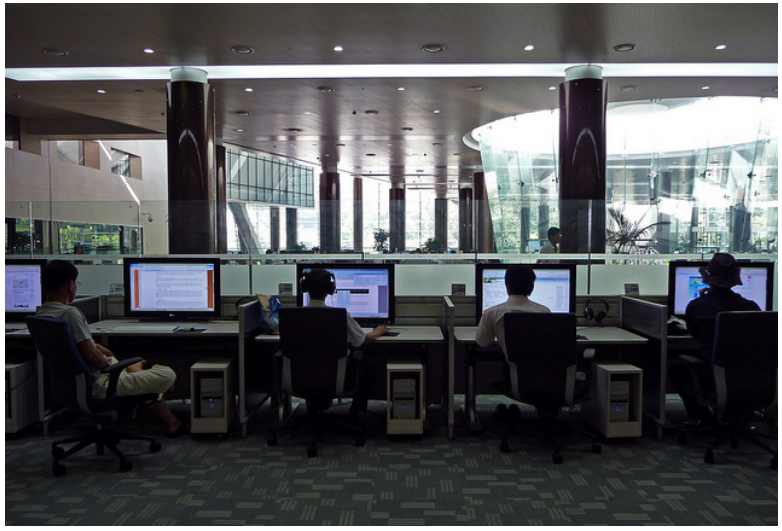

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- Event monitoring considerations
- Intrusion detection and mitigation considerations

Improvement

Call for Backup

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- ICANN ISSSR may be able to assist you directly
- Or we can invite trusted experts
- Assistance may already be in place
  - OpSec community already monitors most of DNS infrastructure