



## Incident Response WG – current status

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Nairobi 2010, ICANN ccNSO Meeting



## Purpose

- assist in implementing sustainable **mechanisms for the engagement of and interaction with ccTLD registries during incidents** that may impact the **DNS**

## Scope

- **repository of ccTLD contacts and channels of communication** for incident response
- **qualification of**
  - incidents
  - escalation procedures
  - action paths



## Work plan

1.	Define what is considered to be an <b>incident</b>	March, 10 th
2.	Define the <b>use cases</b> of the contact repository for ccTLDs	April, 30 th
3.	Define <b>escalation procedures</b> and <b>action paths</b>	May, 30 th
4.	Define the repository <b>data model</b> to accomplish the use cases	Brussels meeting
5.	Suggestions to <b>who will implement, run and maintain the repository</b> at what level of acceptable <b>expenditure</b> covered by whom	Brussels + 1 month



**Definition: Incident** (to be revised frequently)

Systematic, rigorous preparation of or actual attack on

- the availability of the DNS or registration systems → DDOS, EPP flaw exploit
- the data integrity or privacy of the DNS or registration systems → Zone enumeration, cache poisoning, social engineering
- the stability or security of the internet at large → was: conficker; will be: ???

where a coordinated international response by operators and supporting organisations is advised.



Considered *not* to be an incident for the purpose of this WG is

- the malicious use of the internet itself (e.g. SPAM, ...) or
- the unlawful use or misuse of specific domains / content (child pornography, ...)
- any routing problems (BGP, ...)



### 1. Contact repository - Sophistication requirements ?

- Who is entitled to access?
- Needed security level of access and communication means?
- Hosted by a professional third party or dedicated ICANN branch or just an IANA database extension?

### 2. Escalation procedures and action paths

- Definable in a useful way or "just generic"?

### 3. Relation / Delineation with respect to existing organisations obliged with related or similar tasks

- DNS-CERT, DNS-OARC, SSAC, RSIG, CERTs/CSIRTs, FIRST, BTF, ISC SIE, gTLD-initiative?

Questions?



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## Contact repository data attributes (first draft)

- ccTLD name
- Name of person representing the team
- Host organization of ccTLD response contact point
- Country the contact is located
- Internet domain
- Regular telephone number (country code, telephone number, time-zone relative to UTC):
- Emergency telephone number (country code, telephone number, time-zone relative to UTC):
- Email address
- Messenger services (service, id)
- Facsimile number (country code, fax number)
- Other telecommunication facilities
- Language



### Use cases (first draft)

- **Information exchange**
  - Provide a security contact point under any circumstances
  - o Generate reports on prevention best practices (technical, process related)
  - o Store/compile/give access to mitigation lessons learned
  
- **Proactive actions**
  - Provide generic action plans
  - o Generate reports on potential threats
  
- **Counter action**
  - o Inform the “participating community” about “an incident”
  - o Coordinate responses
  - o Facilitate/enable community support for „a community member”