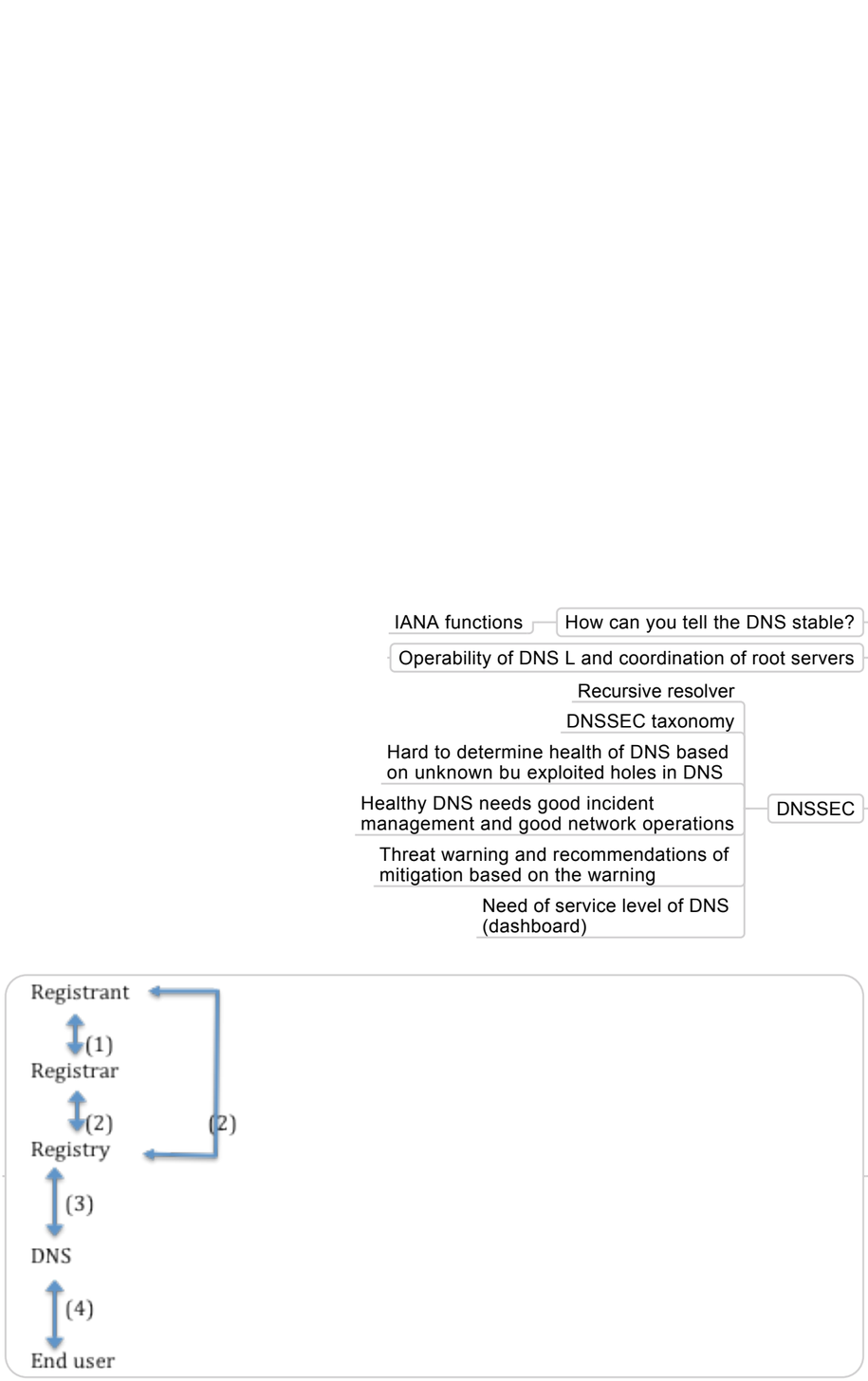
# Criteria

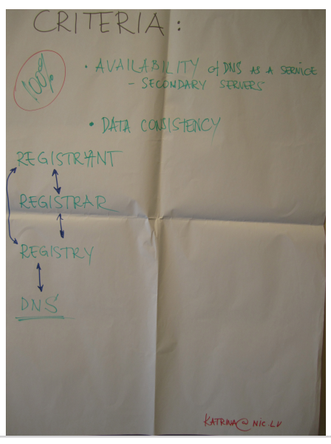
## Team 1

- How can you tell the DNS stable?
  - IANA functions
  - Operability of DNS L and coordination of root servers
- DNSSEC
  - Recursive resolver
  - DNSSEC taxonomy
  - Hard to determine health of DNS based on unknown bu exploited holes in DNS
  - Healthy DNS needs good incident management and good network operations
  - Threat warning and recommendations of mitigation based on the warning
  - Need of service level of DNS (dashboard)

## Team 2

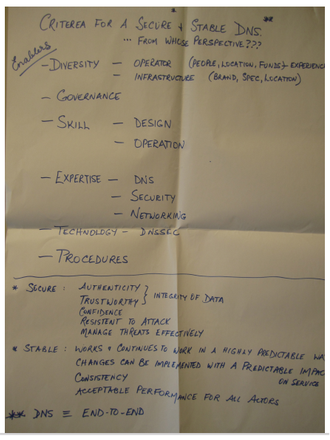



- Secondary servers
  - Availability of DNS as a service
- Data consistency
- (1) Availability - n/a
  - DNS data accuracy -- 100%
  - Data integrity
  - Process integrity
  - System integrity
- (2) Availability - 90%
  - DNS data accuracy -- 100%
  - Data integrity
  - Process integrity
  - System integrity
- (3) Availability --
  - DNS data accuracy -- 100%
  - Data integrity
  - Process integrity
  - System integrity
- (4) Availability -- 100%
  - DNS data accuracy -- 100%
  - Data integrity
  - Process integrity
  - System integrity
- Picture



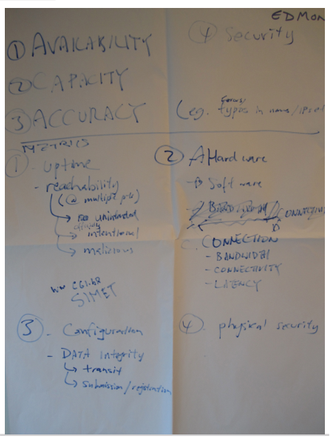

## Team 3

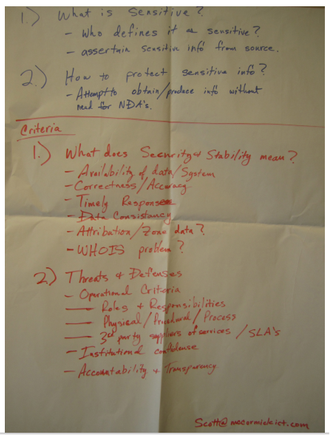
- Criteria
  - Secure
    - Integrity of data
      - Authenticity
      - Trustworthy
    - Confidence
    - Resistant to attack
    - Manage threats effectively
  - Stable
    - Works and continues to work in a highly predictable way
    - Changes can be implemented with a predictable impact on services
    - Consistency
    - Acceptable performance for all actors
  - DNS ≡ End-to-End
- Picture




## Team 4

- Criteria
  - Availability
  - Capacity
  - Accuracy (e.g. errors/typos in names/IPs/etc.
  - Security
- Metrics
  - Uptime
    - Reachability
      - Unintended
      - Officially intentional
      - Malicious
    - Note -- WW CGI.hR, SIMET
  - Infrastructure (Mikey's suggestion for topic-header)
    - Hardware
    - Software
    - Connection
      - Bandwidth
      - Connectivity
      - Latency
  - Content (Mikey's suggestion for topic-header)
    - Configuration
    - Data integrity
      - Transit
      - Submission/registration
- Physical Security
- Picture




## Team 5

- What does Security and Stability mean?
  - Availability of data/system
  - Correctness/accuracy
  - Timely response
  - Data consistency
  - Attribution/zone data?
  - WHOIS problem?
- Threats and defenses
  - Operational criteria
    - Roles and responsibilities
    - Physical/procedural/process
    - 3rd party suppliers of services/SLA's
  - Institutional confidence
  - Accountability and transparency
- Picture