

DOA Risk Analysis

A subjective view

Alain Durand

ICANN60

01 November 2017



Agenda 1 Slide

1

Here's a place to introduce your first agenda item from your talk.

2

Here's a place to introduce your second agenda item from your talk.

3

Here's a place to introduce your third agenda item from your talk.

4

Here's a place to introduce your fourth agenda item from your talk.

5

Here's a place to introduce your fifth agenda item from your talk.

6

Here's a place to introduce your sixth agenda item from your talk.

Governance

- ⊙ **Observation:**

- The DONA Foundation is concentrating governance powers in a non-transparent way.

- ⊙ **Risk:**

- Single point of failure with unclear recovery mechanisms.

- ⊙ **Consequence:**

- Failure of the Foundation would result in uncertainties around the survival of the technology.

- ⊙ **Likelihood:**

- Medium. The DONA Foundation is still young and its viability remains to be proven.

- ⊙ **Severity:**

- High

Protocol Documentation

- ⊙ **Observation:**
 - There is no publicly available documentation of the current protocols.
- ⊙ **Risk:**
 - Difficult to write a new independent, interoperable implementation.
- ⊙ **Consequence:**
 - No authoritative specification, resulting in a dependence on implementation choices.
- ⊙ **Likelihood:**
 - Certainty. Single source for code.
- ⊙ **Severity:**
 - High

Single Source of Code

- ⊙ **Observation:**
 - CNRI is the single publicly known source of code.
- ⊙ **Risk:**
 - Code would not continue to be maintained.
- ⊙ **Consequence:**
 - Lack of code maintenance could result in unmitigated security issues and obsolescence of the code base over time.
- ⊙ **Likelihood:**
 - Low. Should CNRI fail, if DOA sees wide deployment, it is likely the code would be picked up by other entities
- ⊙ **Severity:**
 - High

Proxy Confidentiality Concerns

- ⊙ **Observation:**
 - Lack of deployed clients forces the reliance on proxies that create confidentiality concerns.

- ⊙ **Risk:**
 - User privacy may be violated.

- ⊙ **Consequence:**
 - Use of DOA may result in exposure of user activity and data.

- ⊙ **Likelihood:**
 - Very high. The lack of deployed clients forces the reliance on proxies. Users must depend on the security of the proxy operator.

- ⊙ **Severity:**
 - High

Engage with ICANN



Thank You and Questions

Visit us at icann.org

Email: email



[@icann](https://twitter.com/icann)



facebook.com/icannorg



youtube.com/icannnews



flickr.com/icann



linkedin/company/icann



slideshare/icannpresentations



soundcloud/icann