

Reforming Revocation Timelines

Delhi F2F 2024

Some basic beliefs

- We should follow our rules
 - When our rules are bad, we should change them
 - When we miss, we should follow the prescribed remedy
- Revocation without replacement is bad for relying parties
- Today's remedy for misissuance:
 - Bug reporting
 - Revocation of misissued certificates
- We are not asking for this to change

The suggestion

- Establish a set of criteria requiring revocation within 15 days
 - We will get into these criteria on the next 2 slides
- 1-day and 5-day revocation reasons will still exist
- These are still misissuance events
 - The CA must perform revocation according to the BRs
 - The CA must report a bug and follow all established procedures
 - There is no CA discretion, appeals process, etc.
- 15-day revocation is available ONLY if there is no flaw in the certificate or issuance that demands a shorter revocation period

Criteria for a 15-day revocation

- No compromise to security
- No compromise to interoperability
- No compromise to definitive identity
- Objective

Candidates

- Punctuation and spacing errors
- Capitalization errors
- Substitution between abbreviations and full words
- Substitution between numerals and spelled-out numbers
- Substitution of ASCII for extended characters
- Additional non-permitted fields included (when accurate)
- Basic constraints not marked as critical
- Encoding errors
- Fields included in the wrong order
- Obvious typos or spelling errors
- Misalignment with CPS where issuance is otherwise compliant