DNSSEC operational practices for authoritative name servers

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Why

We have:

- RFC4641 DNSSEC Operational Practices
- RFC6781 DNSSEC Operational Practices, version 2
- RIPE64 Looking at TLD DNSSEC Practices (Edward Lewis)
  AND DNSSEC Deployment Guides (NIST, Kirei, ...)

I want:

- BCP DNSSEC Operational Practices

We want:

- BCOP actually GOP
**BCP vs BCOP**

**BCP**
A -bis of RFC6781 (aka RFC RFC4641-bis, so that would actually become RFC4641-bis-bis)

**BCOP**
A document that focuses more on operational guidance
What should be in it?
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Protocol default values (the BCP part) aka Policy values?

+ Cryptographical considerations?
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- Values for signature validities, re-sign, refresh, ...
- NSEC or NSEC3?
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+ Cryptographical considerations?
+ ZSK/KSK split or CSK?
+ When to rollover?
+ Values for signature validities, re-sign, refresh, ...
+ NSEC or NSEC3?
+ If NSEC3, when to resalt?
What should be in it?

Available software?

- Standalone solutions: OpenDNSSEC, BIND, Knot, ...
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+ Combinations: ldnsutils + NSD, ...
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Available software?

+ Standalone solutions: OpenDNSSEC, BIND, Knot, ...
+ Combinations: ldnsutils + NSD, ...
+ Closed source: Microsoft DNS, Nominum, ...

I am: Matthijs Mekking

This is: BCOP Taskforce, RIPE68
What should be in it?

Key management?

+ Generation: Number of participants?
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- Delivery: Integrity checks? Audit trail?
- Storage: Online or offline? HSM or not?
- Usage: Who can use? How to (de)activate?
What should be in it?

Many other topics:

+ Good to have documentation: DPS, incident response procedures, ...
+ Facility requirements: Power failover, area access control, ...
+ Hardware and software: Diversity, maintenance, ...
+ Did I miss something? Probably
Need consensus on

The content

+ Scope and detail
Need consensus on

The content

+ Scope and detail
+ Different scenarios have different practices
Need consensus on

The content

+ Scope and detail
+ Different scenarios have different practices
+ Perhaps split up between TLD and hoster scenario
Questions

Is there interest?
And is there anybody willing to collaborate?

Are there opinions about what should be in it?
And what definitely not?

Do we need it all?
Or is existing documentation already sufficient?