draft-wouters-sury-dnsop-algorithm-update-02

- Updates Mandatory-To-Implement ("MTI") algorithms for
 - DNSKEY
 - CDS / DS
- Different MTI for Resolvers (consumers) and Signers (producers)
- Demote and promote algorithms gradually and realistically
- Uses RFC-2119 language with modifiers based on RFC-7321, RFC-7321bis, RFC-4306bis:
 - SHOULD+, SHOULD-, MUST-

draft-wouters-sury-dnsop-algorithm-update-02 DNSKEY algorithm table

<u>+</u>	<u></u>		
Number	Mnemonics	DNSSEC Signing	DNSSEC Validation
1 3 5 6 7 8 10 12 13 14 TBD TBD	RSAMD5 DSA RSASHA1 DSA-NSEC3-SHA1 RSASHA1-NSEC3-SHA1 RSASHA256 RSASHA512 ECC-GOST ECDSAP256SHA256 ECDSAP384SHA384 ED25519 ED448	MUST NOT MUST- MUST NOT MUST- MUST- MUST- MUST- SHOULD- SHOULD- SHOULD- SHOULD+ SHOULD+ SHOULD+	MUST NOT MUST- MUST NOT MUST- MUST- MUST MUST SHOULD- SHOULD- SHOULD+ SHOULD+
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draft-wouters-sury-dnsop-algorithm-update-02 DS and CDS algorithm table

Number	Mnemonics	DNSSEC Delegation	DNSSEC Validation
0 1 2 3 4	NULL (CDS only) SHA-1 SHA-256 GOST R 34.11-94 SHA-384	SHOULD NOT MUST	MUST NOT [*] MUST- MUST SHOULD SHOULD+

draft-wouters-sury-dnsop-algorithm-update-02 open items

- Some people don't like the RFC-2119 modifiers
- Should there be a "default" directive in addition to the Mandatory-to-implement directive? Or should that go into a separate BCP document?
- IANA and Security Considerations need some work
- Disagreement about MTI level for SHA1
- Only one document should obsolete RFC-6944