





Background



- Work began about 1998;
- Main contributors/editors from NIST, NSA, and CSE
- Material later incorporated and revised into the SP 800-90 series in order to include test and evaluation methods

Four Part Standard



- Part 1: Overview and Basic Principles (2006; R2013)
- Part 2: Entropy Sources ((2011)/2015)
- Part 3: Deterministic Random Bit Generators (2007; R2017)
- Part 4: Random Bit Generator Constructions (2011; R2017))

Part 1: Overview and Basic Principles



- Original content:
 - Overview: secure RBGs, functional model, RBG types of RBGs
 - Security Properties
 - Annexes
- Current status

(No SP 800-90 counterpart)

Part 3: Deterministic Random Bit Generators



- Original content:
 - Similar to the current SP 800-90A
 - Specifies HMAC_DRBG, CTR_DRBG, Dual_EC_DRBG)
 - Annexes
- Current status: To be revised to adopt SP 800-90A

Part 2: Entropy Sources



- Original content:
 - Similar to SP 800-90B
 - Does not include validation tests

• Current status: Revision in progress to adopt SP 800-90B

Part 4: RBG Constructions



- Original content:
 - Similar to the first two drafts of SP 800-90C
 - Annexes
- Current status: Revise to adopt SP 800-90C



