

**X9.82 (RNGs)**

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# Pages

- ... five parts:
  - Part 1: Overview and Basic Principles
  - Part 2: DRBGs Based on Hash Functions
  - Part 3: DRBGs Based on Block Ciphers
  - Part 4: DRBGs Based on Hard Problems
  - Part 5: NRBGs



(contd.)

■ [illegible] symbols and  
[illegible] in the appropriate part

# 7.2.2 Overview and Basic Principles

## 7.2.2.1 RBG

- RBG functional Model - needs to be related with the text
  - RBG security requirements
  - RBG functional requirements
- ### Deterministic RBGs
- As before; what goes here vs. what goes in Parts 2-4?
  - Added section on the error state (7.2.6)



## (contd.)

### ■ Pseudo-RBGs

- Where vs. what goes in Parts 5?

### ■ PRNGs

- Hybrid PRNGs

### Using Multiple RBGs

- Producing RNs from Random Bits
- Implementation Issues (general)
- Testing (general)

# DRBGs

## DRBGs

- DRBGs - currently same as

## Part 1

## Types of DRBGs

## Approved DRBGs

- Error state has been indicated