

Contents	Page
FOREWORD	6
INTRODUCTION	8
1 Scope	10
2 Normative references	10
3 Terms, definitions, symbols, abbreviations, and conventions	10
4 Typographical conventions	11
4.1 Maturity model	11
4.2 Experimental maturity level	11
4.3 Implemented maturity level	11
4.4 Stable maturity level	12
4.5 Finalized maturity level	12
4.6 Deprecated material	12
5 Storage management introduction	14
5.1 Preamble	14
5.2 Business rationale	14
5.3 Interface definition	14
5.4 Technology trends	16
5.5 Management environment	18
5.6 Architectural objectives	18
6 Storage management overview	20
6.1 Base capabilities	20
6.2 Object oriented classes	20
6.3 Messaging-based interface	22
7 Functionality matrix	24
7.1 Overview	24
7.2 Multi-level model of networked storage management functionality	24
7.3 FCAPS	25
7.4 Management functionality within each level of the model	25
7.4.1 (Level 1) Device level functionality	25
7.4.2 (Level 2) Connectivity level functionality	25
7.4.3 (Level 3) Block level functionality	25
7.4.4 (Level 4) File/Record level functionality	25
7.4.5 (Level 5) Application level functionality	26
7.5 Referring to levels and capabilities in the multi-level model	26
7.6 Functionality descriptions in SMI-S profiles	26

7.7	Capabilities of this version	26
7.7.1	Device Level	26
7.7.2	Connectivity Level	27
7.7.3	Block Level	27
7.7.4	File/Record Level	28
7.7.5	Application Level	28
8	Operational environment	29
8.1	General	29
8.2	Using this standard	30
8.3	Language bindings	30
	Bibliography	32