

# Contents

<b>Generic Requirements Notice Of Disclaimer</b> . . . . .	iii
<b>List of Tables</b> . . . . .	vii
<b>Preface</b> . . . . .	ix
Telcordia Interactive GR Process . . . . .	ix
FA-TA-TR to GR . . . . .	ix
Transition Phase . . . . .	ix
Comments and Issues List Report Mechanism . . . . .	x
GR-26-CORE Current Maturity Level, Status, and Plans . . . . .	x
Formatting Comments . . . . .	xi
Where and When to Submit Comments . . . . .	xi
<b>1 Introduction</b>	
1.1 Purpose and Scope of Document . . . . .	1-1
1.2 Organization . . . . .	1-1
1.3 Reason for Reissue . . . . .	1-1
1.4 Requirements Terminology . . . . .	1-2
1.5 Requirement Labeling Conventions . . . . .	1-2
1.5.1 Numbering of Requirement and Related Objects . . . . .	1-2
1.5.2 Requirement, Conditional Requirement, and Objective Identification . . . . .	1-3
<b>2 General Information</b>	
2.1 Product Description . . . . .	2-1
2.2 Operating Environment . . . . .	2-1
2.3 Telecommunications Equipment . . . . .	2-1
<b>3 Features, Functions and Performance</b>	
3.1 Design Requirements . . . . .	3-1
3.2 Materials . . . . .	3-2
3.2.1 Concrete . . . . .	3-2
3.2.2 Reinforcing Steel . . . . .	3-3
3.2.3 Metals . . . . .	3-4
3.2.4 Nonmetallic . . . . .	3-4
3.3 Entranceway . . . . .	3-4
3.3.1 Raised Entranceway . . . . .	3-5
3.3.2 Flush Entranceway . . . . .	3-6
3.4 Cable Entrance and Accessory Penetrations . . . . .	3-7
3.5 Sump . . . . .	3-8
3.6 Equipment Mounting . . . . .	3-8
3.7 Fabrication . . . . .	3-8
3.8 Finish . . . . .	3-10
3.9 Floors . . . . .	3-10

- 3.10 Gas Detection . . . . . 3-11
- 3.11 Smoke Detection and Fire Protection . . . . . 3-11
- 3.12 Illumination . . . . . 3-12
- 3.13 Acoustical Noise . . . . . 3-12
- 3.14 AC Power . . . . . 3-13
  - 3.14.1 AC Power Distribution . . . . . 3-13
  - 3.14.2 Emergency AC Power . . . . . 3-14
- 3.15 Bonding and Grounding . . . . . 3-14
- 3.16 Environmental Control . . . . . 3-15
  - 3.16.1 Air Filtration . . . . . 3-15
  - 3.16.2 Ventilation . . . . . 3-16
    - 3.16.2.1 General . . . . . 3-16
    - 3.16.2.2 Traditional Operation . . . . . 3-17
    - 3.16.2.3 New-Generation Operation . . . . . 3-18
  - 3.16.3 Air Conditioning and Heating . . . . . 3-19
  - 3.16.4 Dehumidification . . . . . 3-20
  - 3.16.5 Environmental Control System . . . . . 3-21
    - 3.16.5.1 Controller Logic . . . . . 3-21
  - 3.16.6 Alarms . . . . . 3-22
- 3.17 Marking and Packaging . . . . . 3-24
- 3.18 Shipping and Handling . . . . . 3-24
- 3.19 Installation . . . . . 3-24
- 3.20 Warranties . . . . . 3-26
  - 3.20.1 Installation . . . . . 3-26
  - 3.20.2 Watertightness . . . . . 3-26
  - 3.20.3 Equipment . . . . . 3-26
- 3.21 Documentation . . . . . 3-27
- 3.22 Maintenance . . . . . 3-27

**4 Quality**

- 4.1 Quality Program Analysis . . . . . 4-1
- 4.2 Product Quality Surveillance . . . . . 4-1

**Appendix A: References**

- Note . . . . . A-2
  - To Contact Telcordia Customer Service or to Order Documents . . . . . A-2
  - To Order Documents From Within Telcordia (Employees Only) . . . . . A-2

**Appendix B: Acronyms**

**Requirement-Object Index**

## List of Tables

Table 3-1	Required Ventilation and Air Flow Parameters . . . . .	3-18
-----------	--	------