

# Contents

<b>Generic Requirements Notice Of Disclaimer</b> . . . . .	iii
<b>Preface</b> . . . . .	ix
<b>1 Introduction</b>	
1.1 General . . . . .	1-1
1.2 Organization . . . . .	1-1
1.3 Requirements Terminology . . . . .	1-1
1.4 Requirement Labeling Conventions . . . . .	1-2
1.4.1 Numbering of Requirement and Related Objects . . . . .	1-2
1.4.2 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 Changes . . . . .	3-1
3.2 Physical Configuration . . . . .	3-1
3.3 Metallic Materials . . . . .	3-2
3.4 Plastic and Other Non-metallic Materials . . . . .	3-2
3.5 Finish Color . . . . .	3-3
3.6 Finish Gloss . . . . .	3-4
3.7 Appearance . . . . .	3-4
3.8 Finish Adhesion . . . . .	3-4
3.9 Finish Impact Resistance . . . . .	3-5
3.10 Secondary Finish Protection . . . . .	3-5
3.11 Corrosion Protection . . . . .	3-5
3.12 Finish on Mounting Hardware . . . . .	3-6
3.13 Finish on Fiberglass . . . . .	3-6
3.14 Cable Entrance Facility . . . . .	3-6
3.15 Equipment Mounting . . . . .	3-7
3.16 Insulation . . . . .	3-7
3.17 Illumination . . . . .	3-7
3.18 Installation Interface . . . . .	3-7
3.19 Acoustical Noise . . . . .	3-8
3.20 Fire Safety . . . . .	3-8
3.21 Batteries . . . . .	3-8
3.22 AC Power . . . . .	3-9
3.22.1 AC Power Distribution Panel . . . . .	3-9
3.23 Bonding and Grounding . . . . .	3-10
3.23.1 Principal Ground Point Busbar . . . . .	3-10

3.23.2 AC Equipment Grounding . . . . .	3-10
3.23.3 Communication Equipment Grounding . . . . .	3-10
3.23.4 Bonding and Grounding Conductors and Connections . . . . .	3-11
3.24 HVAC System . . . . .	3-11
3.25 Modes of Operation . . . . .	3-12
3.25.1 Unoccupied Mode . . . . .	3-12
3.25.2 Occupied Mode . . . . .	3-12
3.26 Alarms . . . . .	3-13
3.26.1 Intrusion . . . . .	3-13
3.26.2 Smoke . . . . .	3-13
3.26.3 High Temperature . . . . .	3-13
3.26.4 High Humidity . . . . .	3-13
3.26.5 High Water . . . . .	3-14
3.26.6 Power Failure . . . . .	3-14
3.26.7 Hydrogen . . . . .	3-14
3.26.8 Ventilation . . . . .	3-14
3.26.9 HVAC System . . . . .	3-14
3.27 Documentation . . . . .	3-14
3.28 Maintenance . . . . .	3-15
3.29 Marking and Packaging . . . . .	3-16

## 4 Environmental Compatibility

4.1 Structural . . . . .	4-1
4.2 Impact Resistance . . . . .	4-1
4.3 Bulletproofing . . . . .	4-2
4.4 Flame Retardancy . . . . .	4-2
4.5 Weather Resistance . . . . .	4-2
4.6 Rain Intrusion . . . . .	4-3
4.7 Wind-Driven Rain Intrusion . . . . .	4-4
4.8 Flooding . . . . .	4-4
4.9 Earthquake Resistance . . . . .	4-5
4.10 Shipping and Handling . . . . .	4-5
4.11 Vibration . . . . .	4-5
4.12 Ultraviolet Resistance — Plastics . . . . .	4-5
4.13 Ultraviolet Resistance — Finished Metals . . . . .	4-6
4.14 Fungus Resistance . . . . .	4-6

## 5 Quality

5.1 Quality Program Analysis . . . . .	5-1
5.2 Product Quality Surveillance . . . . .	5-1

## Appendix A: References—Industry Standards and Telcordia Documents

A.1 American National Standards Institute Documents . . . . .	A-1
A.2 American Society for Testing and Materials (ASTM) Standards . . . . .	A-1

A.3 Underwriters Laboratories Documents . . . . .	A-1
A.4 Military Standard Documents . . . . .	A-2
A.5 Steel Tank Institute Standard Documents . . . . .	A-2
A.6 Telcordia Documents . . . . .	A-2
<b>Appendix B: Acronyms . . . . .</b>	<b>B-1</b>
<b>Requirement-Object Index . . . . .</b>	<b>ROI-1</b>