

Table of Contents

1. General.....	5
1.1. Introduction.....	5
1.2. Scope	5
2. Requirements and configuration.....	6
2.1. Hardware.....	6
2.2. Software	6
2.3. Network	6
2.4. Test equipment.....	6
2.5. Test Setup Parameters.....	6
2.6. Naming Convention	7
2.7. Levels of interop	7
2.8. Call feature control.....	7
2.9. Collection of traces	7
3. Level 1 Interop Test Cases (Call features, Voice Traffic).....	8
3.1.1. SIP001 Dial tone present.....	9
3.1.2. SIP002 Dial tone can be broken.....	10
3.1.3. SIP003 Ring Back Tone	11
3.1.4. SIP004 Busy tone	12
3.1.5. SIP005 Voice Traffic.....	13
3.1.6. SIP006 Caller ID (CID)	14
3.1.7. SIP007 CID Permanent Block - Enable / Disable.....	15
3.1.8. SIP008 CID - Temporary Enable/Disable.....	16
3.1.9. SIP009 Call Waiting (CW) - Permanent Enable/Disable	18
3.1.10. SIP010 Call Waiting (CW) - Temporary disable	19
3.1.11. SIP011 Call Waiting Caller ID (CWCID)	20
3.1.12. SIP012 Call Waiting Caller ID (CWCID) - Disable	21
3.1.13. SIP013 Three Way Calling (3WC)	22
3.1.14. SIP014 Call Forward Busy (CFB)– Enable/Disable	23
3.1.15. SIP015 Call Forward No Answer (CFNA)– Enable/Disable	25
3.1.16. SIP016 Call Forwarding Unconditional (CFU) – Enable/Disable.....	27
3.1.17. SIP017 Call Return (CR)	28
3.1.18. SIP018 ## Redial	30
3.1.19. SIP019 Warmline – * code controlled - Enable/Disable	31
3.1.20. SIP020 Warmline – MIB controlled - Enable/Disable	33
3.1.21. SIP021 Hotline – Enable/Disable	34
3.1.22. SIP022 Anonymous Call Rejection – Enable/Disable	35
3.1.23. SIP023 Distinctive Ringing (DR)	36
3.1.24. SIP024 Speed Dial (SD)	37
3.1.25. SIP025 Selective Call Acceptance (SCA)	38
3.1.26. SIP026 Selective Call Rejection (SCR)	39
3.1.27. SIP027 Selective Call Forwarding (SCF)	40
3.1.28. SIP028 Visual Message Waiting Indicator (VMWI)	41

4. Level 2 Interop Test Cases (Robustness)	43
4.1.1. SIP101 24 Hour standing Call	44
4.1.2. SIP102 RF cable cut - Upstream 5 seconds	45
4.1.3. SIP103 RF cable cut - Upstream 5 minutes	46
4.1.4. SIP104 RF cable cut – Downstream 5 seconds	47
4.1.5. SIP105 RF cable cut – Downstream 5 minutes	48
4.1.6. SIP106 MTA power cut	49
4.1.7. SIP107 CMTS power cut	50
4.1.8. SIP108 Loss of Communication – DHCP	51
4.1.9. SIP109 Loss of Communication – TFTP	52
5. Appendix A (Sample CM config file)	53
6. Appendix B (Key entries in the MTA config file)	56
7. Appendix C (Sample MTA config file – MTA Controlled Features)	57
8. Appendix D (Sample MTA config file – Proxy Controlled Features)	59
9. Appendix E (* codes for MTA controlled call features).....	60
10. Appendix F (Troubleshooting tips for ARRIS SIP MTAs).....	62