

ADSI - Computer Telephony Integration Interface

Contents

[Telcordia SR-3967 - Documentation Information](#)

1. Introduction.....	1-1
1.1 Purpose	1-1
1.2 Background Information	1-1
1.3 Supporting Documents	1-6
1.4 Document Organization	1-7
2. ACTI Block Diagram.....	2-1
3. ACTISU Recommendations.	3-1
3.1 General Information Regarding ACTISU Interfaces	3-1
3.1.1 Tip and Ring and Telephone Interfaces.....	3-1
3.1.2 ACTISU to ACTICU Digital Interface.....	3-1
3.1.2.1 Physical Interface	3-1
3.1.2.2 Logical Interface	3-2
3.2 Tip and Ring Interface Capabilities List	3-2
3.2.1 CPE Alerting Signal (CAS) Detection.....	3-2
3.2.2 Call Progress Tone (CPT) Detection	3-3
3.2.3 FSK Reception (Demodulation/Decoding).....	3-4
3.2.4 Power Ringing Cadence Detection	3-4
3.2.5 Extension In-Use Detection	3-5
3.2.6 DTMF Generation.....	3-6
3.2.7 DC Signal Generation (Switch Hook)	3-6
3.3 Telephone Interface Capabilities List	3-7
3.3.1 On-Hook / Off-Hook Detection.....	3-7
3.3.2 Outgoing DTMF Detection.....	3-7
3.3.3 Muting Control	3-8
3.4 Internal ACTISU Functions	3-8
3.4.1 FSK Message Parsing	3-8
3.4.2 Voice/Data Mode Control.....	3-10
3.4.3 Protocol Timings.....	3-10
3.4.4 Data Buffering	3-11
3.4.5 ADSI Script Events.....	3-11
4. ACTII Messages	4-1
4.1 Use of The <DLE> Character For A Message Delimiter	4-1
4.2 ACTII Messages.....	4-1

4.2.1 Messages Sent From ACTISU to ACTICU.....	4-3
4.2.1.1 CAS Detect Message.....	4-3
4.2.1.2 CPT Detect Message.....	4-3
4.2.1.3 FSK Data Frame Message.....	4-4
4.2.1.4 Power Ringing Start Message.....	4-4
4.2.1.5 Power Ringing Cadence Message.....	4-5
4.2.1.6 Power Ringing End Message.....	4-5
4.2.1.7 Extension In-Use Message.....	4-5
4.2.1.8 Extension Not In-Use Message.....	4-6
4.2.1.9 Extension In-Use Status Message.....	4-6
4.2.1.10 Off-Hook Message.....	4-7
4.2.1.11 On-Hook Message.....	4-7
4.2.1.12 Switch Hook Status Message.....	4-8
4.2.1.13 DTMF Detect Message.....	4-8
4.2.1.14 Data Mode Message.....	4-9
4.2.1.15 Voice Mode Message.....	4-9
4.2.1.16 Voice/Data Mode Status Message.....	4-9
4.2.1.17 Far-End Party Answer Message.....	4-10
4.2.1.18 Timer Expire Message.....	4-10
4.2.1.19 Poll Message.....	4-10
4.2.2 Messages Sent From ACTICU to ACTISU.....	4-11
4.2.2.1 CAS Enable Message.....	4-11
4.2.2.2 CAS Disable Message.....	4-11
4.2.2.3 Extension In-Use Query Message.....	4-12
4.2.2.4 Generate DTMF Message.....	4-12
4.2.2.5 Open Switch Hook Message.....	4-13
4.2.2.6 Close Switch Hook Message.....	4-13
4.2.2.7 Switch Hook Query Message.....	4-13
4.2.2.8 Load CPE-ID Message.....	4-14
4.2.2.9 Clear CPE-ID Message.....	4-14
4.2.2.10 Voice/Data Mode Query Message.....	4-14
4.2.2.11 Timer Start Message.....	4-15
4.2.2.12 Far-end Party Answer Enable Message.....	4-15
4.2.2.13 Far-end Party Answer Disable Message.....	4-15
4.2.2.14 OK Message.....	4-16
References.....	References-1