

## Reference Note #104:

### United States PSTN Central Office Nominal Parameter Values

#### INTRODUCTION

This reference note summarizes key United States PSTN Central Office performance parameters. It is intended to serve as a quick reference only. For more detailed information, refer to the applicable Belcore or CCITT network performance specifications.

U.S. Untied States	Primary Dial Tone	Secondary Dial Tone*	Ringback Tone	Busy Tone	Reorder Tone	Warble Tone	SPECIAL Info. Tone**	Ring Signal
Composite Amplitude	-12 dBm	-20 dBm	-20 dBm	-20 dBm	-20 dBm	-12 dBm	-12 dBm	60 Vrms
Frequency 1	350 Hz	900 Hz	440 Hz	480 Hz	480 Hz	1400 Hz	950 Hz	20 Hz
Frequency 2	440 Hz	1020 Hz	480 Hz	62 Hz	620 Hz	2040 Hz	1400 Hz	N/A
Frequency 3	N/A	1140 Hz	N/A	N/A	N/A	N/A	1800 Hz	N/A
Frequency 4	N/A	N/A	N/A	N/A	N/A	N/A	0 Hz	N/A
Cadence 1 ON (Sec.)	1.0	0.4	0.0	0.5	0.25	0.1	0.35	0.0
Cadence 1 OFF (Sec.)	0.0***	0.0	0.0	0.5	0.25	0.1	0.0	0.0
Cadence 2 ON (Sec.)	0.0	0.4	0.0	N/A	0.0	N/A	0.35	0.0
Cadence 2 OFF (Sec.)	0.0	0.0	0.0	N/A	0.0	N/A	0.0	0.0
Cadence 3 ON (Sec.)	0.0	0.4	2.0	N/A	0.0	N/A	0.3	2.0
Cadence 3 OFF (Sec.)	0.0	0.0	4.0	N/A	0.0	N/A	9.95	4.0
Cadence 4 ON (Sec.)	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A
Cadence 4 OFF (Sec.)	N/A	N/A	N/A	N/A	N/A	N/A	9.95	N/A

#### Notes:

\* Frequencies 1, 2 and 3 are single tones sequences ON and OFF at the programmed cadence rate.

\*\* Frequencies 1, 2, 3 and 4 are single tones sequences ON and OFF at the programmed cadence rate.

\*\*\* Tone with all of cadence periods set to 0 are ON constantly.

(Document is excerpted from Page 152- Sec.6, PTT 5102 Network Simulator Operations Manual, August 1992)

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