

VegaStream

Information Note

Progress Tones



Different countries use different tones and cadences to indicate Ringback, Busy, Number Unobtainable and other progress tones. This document collates information about the tone definitions for different countries.

Setting up tone definitions

The method to configure progress tones is defined in the Vega Primer.

Tone values

<i>COUNTRY / TONE</i>	<i>FREQUENCY (Hz)</i>	<i>CADENCE (Seconds)</i>
ALBANIA - al		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.3 – 0.3
CONGESTION TONE	425	0.15 – 0.15
ALGERIA - dz		
RINGING TONE	25//50	1.5 – 3.5
BUSY TONE	450	0.5 – 0.5
ANGOLA - ao		
DIAL TONE	400	CONTINUOUS
RINGING TONE	25	1.0 – 5.0
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	400	0.2 – 0.2
WAITING TONE	400	1.0 – 5.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
ANGUILLA - ai		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0
ANTIGUA AND BARBUDA - ag		
DIAL TONE	350/440	CONTINUOUS
SECOND DIAL TONE	350/440	CONTINUOUS
RECALL DIAL TONE	350/440	CONTINUOUS
RINGING TONE	440/480	2.0 – 4.0
BUSY TONE	480/620	0.5 – 0.5
CONGESTION TONE	480/620	0.25 – 0.25
NUMBER UNOBTAINABLE TONE		recorded announcement
WAITING TONE	480	0.5 – 10.0 – 0.5 (once only)
TEST NUMBER TONE	1004	CONTINUOUS
ARGENTINA - ar		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.3 – 0.2
CONGESTION TONE	425	0.3 – 0.4
WARNING TONE – OPERATOR INTERVENING	1400	5×0.1 – 1.9
WAITING TONE	425	0.4 – 0.2 – 0.4 – 4.0
CALL WAITING TONE	425	0.3 – 10.0
END OF THREE PARTY SERVICE TONE	950/1400/1800	3×0.33 (single burst)
SERVICE ACTIVATED TONE	425	1.0 – 0.25
ARUBA - aw		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WAITING TONE	425	0.2 – 0.2 – 0.2 – 4.4
ASCENSION - ac		
DIAL TONE	350/440	CONTINUOUS
RINGING TONE	440/480	1.0 – 3.0
BUSY TONE	480/620	0.5 – 0.5
WARNING TONE – OPERATOR INTERVENING	440	0.8 – 6.0 – 0.2 – 6.0 – 0.2
NUMBER UNOBTAINABLE TONE	480/620	0.25 – 0.25

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
AUSTRALIA - au		
DIAL TONE	425×25	CONTINUOUS
DIAL TONE (PABX)	154 ¹⁾	CONTINUOUS
RINGING TONE	400×17	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400 ²⁰⁾	0.375 – 0.375
WARNING TONE – OPERATOR INTERVENING	425//525	1.0 – 15.0 – 0.36 – 15.0
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
WAITING TONE	425/525	0.1 – 0.1 – 0.1 – 4.7
RECORD TONE	1400	0.425 – 14.525
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.075 – 0.15 – 0.075 – 2.7
FACILITIES TONE	425	CONTINUOUS
OFFERING TONE	525 ^{6) 10)}	0.1 – 0.1
AUSTRIA - at		
DIAL TONE	420//450 ³¹⁾	CONTINUOUS
SPECIAL DIAL TONE	380+420	CONTINUOUS
RECALL DIAL TONE	420	CONTINUOUS
RINGING TONE	420//450 ³¹⁾	1.0 – 5.0
BUSY TONE I	420	0.4 – 0.4
BUSY TONE II ²⁷⁾	450	0.3 – 0.3
CONGESTION TONE I	420	0.2 – 0.2
CONGESTION TONE II ²⁷⁾	450	0.3 – 0.3
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	420//450 ³¹⁾	0.15 – 0.15 – 0.15 – 1.95
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
WAITING TONE	420	0.04 – 1.95
PAYPHONE RECOGNITION TONE	1336/1633	0.2 – 0.2 – 0.2 – 2.0
POSITIVE INDICATION TONE	380+420	1.0 – 5.0
NEGATIVE INDICATION TONE	380+420	0.4 – 0.4
BAHAMAS - bs		
RINGING TONE	440/480//420/20//400	2.0 – 4.0
BUSY TONE	480/620/420//400	0.5 – 0.5
BAHRAIN - bh		
DIAL TONE	330×440	CONTINUOUS
RINGING TONE	440//450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE I	400	0.4 – 0.35 – 0.225 – 0.525
CONGESTION TONE II	400	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
INTERCEPT TONE	450//425+475	0.05 – 0.05
ROUTE TONE	425	0.06 – 0.06
PAYPHONE RECOGNITION TONE	816/1209	0.125 – 1.5
BARBADOS - bb		
DIAL TONE	350+440	CONTINUOUS
SECOND DIAL TONE	350+440	2×(1.0 – 1.0) – CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
BELARUS - by		
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
BELGIUM - be		
DIAL TONE	425//450	CONTINUOUS
SECOND DIAL TONE ²⁷⁾	900/1020/1140	3×0.333
RINGING TONE	425//450	1.0 – 3.0
BUSY TONE	425//450	0.5 – 0.5
CONGESTION TONE	425//450	0.167 – 0.167
SPECIAL INFORMATION TONE	900/1380/1860	3×0.333 – 1.0
BENIN - bj		
RINGING TONE	440	1.5 – 3.5
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
BERMUDA - bm		
DIAL TONE	350+440	CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	200//400	0.5 (for six seconds)
WAITING TONE	440	(two bursts, ten seconds apart)
BHUTAN - bt		
DIAL TONE	400+25	CONTINUOUS
RINGING TONE	400+25	0.4 – 0.2 – 0.4 – 2.6
BUSY TONE	400	0.6 – 0.6
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	400	0.5 – 0.25
OFFERING TONE	450	0.2 – 0.2 – 0.2 – 0.6
BOTSWANA bw		
DIAL TONE	350+450	CONTINUOUS
RINGING TONE	400//450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	425	0.25 – 0.25
WARNING TONE – OPERATOR INTERVENING	425	0.16 – 2.0
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	425	0.2 – 1.0
PAYPHONE RECOGNITION TONE	1600	0.07 – 2.0
BRAZIL		
DIAL TONE	425	CONTINUOUS
DIAL TONE (PABX)	425	0.975 – 0.05
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	425	0.75 – 0.25 – 0.25 – 0.25
WAITING TONE	425	0.05 – 1.0
EXECUTIVE OVERRIDE TONE	750	0.02 – 1.0
FUNCTION ACKNOWLEDGE TONE	425	0.1 – 0.1 – 0.1 – 2.0
PAY TONE	300 ²⁾	0.75
BRITISH INDIAN OCEAN TERRITORY		
– io		
RINGING TONE	440	1.0 – 3.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
BRITISH VIRGIN ISLANDS - vg		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0
BRUNEI DARUSSALAM - bn		
DIAL TONE	400×50	CONTINUOUS
SPECIAL DIAL TONE – TRANSMISSION	1000	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.3 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.375 – 0.375
WARNING TONE – OPERATOR INTERVENING	400	0.25 – 2.0
WARNING TONE – END OF PERIOD	400	0.624 – 4.376
WARNING TONE – PIP TONE	900	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	400×24	0.5
CONFIRMATION TONE	400×24	0.1 – 0.1 – 0.3 – 0.3
HOLDING TONE	400×24	0.5 – 2.5
BULGARIA - bg		
DIAL TONE I	425	0.25 – 0.3 – 0.7 – 0.8
DIAL TONE II	425	0.25 – 0.75 – 0.75 – 1.0
RINGING TONE I	425	1.0 – 9.0
RINGING TONE II	425	1.0 – 4.0
RINGING TONE III	425	1.83 – 3.0
BUSY TONE I	425	0.25 – 0.25
BUSY TONE II	425	0.5 – 0.5
BUSY TONE III	425	0.2 – 0.5
CONGESTION TONE I	425	0.25 – 0.25
CONGESTION TONE II	425	0.5 – 0.5
CONGESTION TONE III	425	0.2 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING I	425	0.15 – 0.25 – 0.15 – 1.15
WARNING TONE – OPERATOR INTERVENING II	425	0.2 – 0.3 – 0.2 – 1.5
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
BURKINA FASO - bf		
DIAL TONE I	425	CONTINUOUS
DIAL TONE II ²⁷⁾	350/440	CONTINUOUS
RINGING TONE I	425	1.0 – 4.0
RINGING TONE II ²⁷⁾	440/480	0.2 – 0.2
BUSY TONE I	425	0.5 – 0.5
BUSY TONE II ²⁷⁾	480/620	0.5 – 0.5
CONGESTION TONE ²⁷⁾	480/620	2.4 – 2.4
ROUTE TONE I	425	0.05 – 0.05
ROUTE TONE II ²⁷⁾	425	0.04 – 0.04

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
BURUNDI - bi		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.7 – 3.3
BUSY TONE	450	0.25 – 0.25
SPECIAL INFORMATION TONE	150/450	0.5 – 0.5
ROUTE TONE	425	0.5 – 0.5
CAMEROON - cm		
DIAL TONE	440	CONTINUOUS
SECOND DIAL TONE	330//440	CONTINUOUS
RINGING TONE	440	1.7 – 3.3
BUSY TONE	440	0.5 – 0.5
ROUTE TONE	440	0.05 – 0.05
CANADA - ca		
DIAL TONE	600×120//350+440	CONTINUOUS
DIAL TONE (PABX)	350+440	CONTINUOUS
RECALL DIAL TONE (PABX)	350+440	0.1 – 0.1
RINGING TONE	440+480	2.0 – 4.0
RINGING TONE (PABX)	440+480	1.0 – 3.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
EXECUTIVE OVERRIDE TONE (PABX)	440	3.0
INTERCEPT TONE (PABX)	440/620	0.25 – 0.25
CONFIRMATION TONE (PABX)	350+440	3×0.1 – 2×0.1
CAYMAN ISLANDS - ky		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	425	0.25 – 0.25
CENTRAL AFRICAN REP. - cf		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425+330	CONTINUOUS
RINGING TONE	425	1.7 – 3.3
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
PAY TONE	12000	0.15 – 0.15
CHANNEL ISLANDS: JERSEY - je		
DIAL TONE	350+450	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	400	0.1 – 2.5 – 0.1
PAY TONE	400	0.125 – 0.125

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
CHILE - cl		
DIAL TONE	400	CONTINUOUS
SECOND DIAL TONE	330+440	CONTINUOUS
RINGING TONE	400	1.0 – 3.0
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.2 – 0.2
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	1400	0.5 – 15.0
WAITING TONE	900+1300	0.5 – 0.5
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
IDENTIFICATION TONE	800/1200	0.6 – 2.0 – 0.6 – 2.0
WARNING TONE – END OF PERIOD	800	2.0
CHINA - cn		
DIAL TONE	450	CONTINUOUS
SECOND DIAL TONE	450	CONTINUOUS
RINGING TONE	450	1.0 – 4.0
BUSY TONE	450	0.35 – 0.35
CONGESTION TONE	450	0.7 – 0.7
INTRUSION TONE	450 ⁶⁾	0.2 – 0.2 – 0.2 – 0.6
SPECIAL INFORMATION TONE I	450	0.4 – 0.04
SPECIAL INFORMATION TONE II	950	0.4 – 10.0
NUMBER UNOBTAINABLE TONE	450	3×(0.1 – 0.1) – 0.4 – 0.4
WAITING TONE	450	0.4 – 4.0
COMOROS - km		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	850	CONTINUOUS
RINGING TONE	425	1.71 – 3.31
BUSY TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
COSTA RICA - cr		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.2 – 4.6
BUSY TONE	425	0.3 – 0.3
CÔTE D'IVOIRE - ci		
DIAL TONE	425	CONTINUOUS
RINGING TONE	50//425×50	1.66 – 3.33
BUSY TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
CROATIA - hr		
DIAL TONE	425	0.2 – 0.3 – 0.7 – 0.8
SPECIAL DIAL TONE	425	0.4 – 0.04
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING ³²⁾	425	0.2 – 0.3 – 0.7 – 0.8
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.333 – 1.0
WAITING TONE	425	0.3 – 8.0
PAYPHONE RECOGNITION TONE	1206/850	0.2 – 0.2 – 0.2 – 2.0 (four cycles)
POSITIVE INDICATION TONE	425	CONTINUOUS
NEGATIVE INDICATION TONE	425	0.25 – 0.25

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
CUBA - cu		
DIAL TONE I	600×120//425	CONTINUOUS
DIAL TONE II	425	0.75 – 0.75 – 0.25 – 0.25
SECOND DIAL TONE I	425+330 ³⁾	CONTINUOUS
SECOND DIAL TONE II	1050 ⁶⁾	CONTINUOUS
RINGING TONE I	440+480//440+620//480+620	2.0 – 4.0
RINGING TONE II	425	1.0 – 4.0
RINGING TONE III	420×40	1.0 – 2.0
BUSY TONE	600×120//620+480//425	0.5 – 0.5
CONGESTION TONE	600×120	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
NUMBER UNOBTAINABLE TONE	520	0.4 – 0.12 – 2×(0.12 – 0.12)
CYPRUS - cy		
DIAL TONE	350+450	CONTINUOUS
RINGING TONE I	425	1.5 – 3.0
RINGING TONE II	400×25	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
WARNING TONE – OPERATOR INTERVENING	1400	0.5 – 14.0
NUMBER UNOBTAINABLE TONE	425	2.5 – 0.5
WAITING TONE	425	0.2 – 0.6
PAYPHONE RECOGNITION TONE	1638/1206/943	3×(0.068 – 0.068)
CZECH Rep. - cz		
DIAL TONE I	425	CONTINUOUS
DIAL TONE II	425	0.33 – 0.33 – 0.66 – 0.66
DIAL TONE III	425	0.165 – 0.165 – 0.660 – 0.660
RINGING TONE	425	1.0 – 4.0
BUSY TONE I	425	0.333 – 0.333
BUSY TONE II	425	0.167 – 0.167
BUSY TONE III	425	0.165 – 0.165 – 0.165 – 0.330
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
WAITING TONE	425	0.33 – 5.0
CONNECTION TONE	425	0.05 – 0.05
OFFERING TONE	425 ⁶⁾	0.33 – 0.33 – 0.33 – 1.5
DENMARK - dk		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	150	0.05 – 0.5
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
PAY TONE	950/1400/1800	3×0.22 – 1.0
PAYPHONE RECOGNITION TONE	1477+941/1400+950	0.2 – 0.2 – 0.2 – 2.0
DIEGO GARCIA		
DIAL TONE	350/440	CONTINUOUS
BUSY TONE	480/620	interrupted at 60 ipm
RINGING TONE	440/480	1.0 – 3.0
NUMBER UNOBTAINABLE TONE	480/620	interrupted at 120 ipm

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
DJIBOUTI - dj		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.5 – 3.5
BUSY TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
DOMINICA (Commonwealth of) - dm		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0
DOMINICAN Rep. - do		
DIAL TONE I	50	CONTINUOUS
DIAL TONE II	33	0.0166 – 0.0166
RINGING TONE	400//450	0.4 – 0.2 – 0.4 – 2.2
BUSY TONE I	400	0.8 – 0.8
BUSY TONE II	400	0.375 – 0.375
CONGESTION TONE I	400	0.8 – 0.8
CONGESTION TONE II	400	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
ECUADOR - ec		
DIAL TONE	425	15.0
RINGING TONE	425	1.2 – 4.65
BUSY TONE	425	0.33 – 0.33
CONGESTION TONE	425	0.33 – 0.33
WAITING TONE	425	0.2 – 0.6
EGYPT - eg		
RINGING TONE	425×50	2.0 – 1.0
BUSY TONE	425×50	1.0 – 4.0
CONGESTION TONE	450	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	0.33 – 0.33 – 0.33 – 0.33 – 0.33 – 0.33
INTRUSION TONE	450	0.5 – 0.5
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
EL SALVADOR - sv		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.2 – 5.0
BUSY TONE	425	0.333 – 0.333
ESTONIA - ee		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.3 – 0.3
CONGESTION TONE	425	0.2 – 0.2
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.2 – 0.3 – 0.2 – 1.3
WAITING TONE	950/1400/1800	3×0.33 – 0.3

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
ETHIOPIA - et		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.4 – 0.4
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
INTRUSION TONE	425	0.5 – 0.2
WAITING TONE	425	0.2 – 0.6
FALKLAND ISLANDS - fk		
DIAL TONE	350+450	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.255 – 0.525
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	1000	0.1 – 0.1
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
FAROE ISLANDS - fo		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
FIJI - fj		
DIAL TONE	33//50	CONTINUOUS
DIAL TONE (PABX)	33 1/3	CONTINUOUS
RINGING TONE	133×16 2/3//400×25	0.4 – 0.2 – 0.4 – 2.0
RINGING TONE (PABX)	400×16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.75 – 0.75
BUSY TONE (PABX)	400	0.375 – 0.375
WARNING TONE – OPERATOR INTERVENING	400	0.5 – 0.17 – 0.17 – 0.17
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
NUMBER UNOBTAINABLE TONE (PABX)	400	2.5 – 0.5
FINLAND - fi		
DIAL TONE	425	CONTINUOUS
DIAL TONE (PABX)	425	2×(0.2 – 0.3) – 0.2 – 0.8
SPECIAL DIAL TONE	425	0.65 – 0.025
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.3 – 0.3
CONGESTION TONE	425	0.2 – 0.2
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.2 – 0.3 – 0.2 – 1.3
QUEUE TONE	950/950/1400	0.65 – 0.325 – 0.325 – 1.3 – 2.6
WAITING TONE	425	0.15 – 0.15 – 0.15 – 8.0
FRANCE - fr		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
FRENCH POLYNESIA - pf		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
GABON - ga		
DIAL TONE I	440	15.0
DIAL TONE II	425	CONTINUOUS
SECOND DIAL TONE	440+330	7.0
RINGING TONE I	440	1.5 – 3.0
RINGING TONE II	425	1.5 – 3.5
BUSY TONE I	440	0.5 – 0.5
BUSY TONE II	425	0.5 – 0.5
SPECIAL INFORMATION TONE	900/1380/1860	0.35 – 0.30 – 0.35 – 1.0
ROUTE TONE I	440	0.05 – 0.05
ROUTE TONE II	425	0.05 – 0.05
GAMBIA - gm		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
GERMANY - de		
DIAL TONE	425//450	CONTINUOUS
SPECIAL DIAL TONE	425+400	CONTINUOUS
RINGING TONE I ⁸⁾	425//450	0.25 – 4.0 – 1.0 – 4.0 – 1.0 – 4.0
RINGING TONE II ⁸⁾	425//450	0.5 – 4.0 – 1.0 – 4.0 – 1.0 – 4.0
RINGING TONE III	425//450 ¹⁹⁾	1.0 – 5.0
RINGING TONE IV	450 ¹⁹⁾	1.0 – 9.0
BUSY TONE I	425	0.48 – 0.48
BUSY TONE II	425//450	0.15 – 0.475
CONGESTION TONE I	425	0.24 – 0.24
CONGESTION TONE II	425//450	0.15 – 0.475
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	425//450	0.24 – 0.24 – 0.24 – 1.28
WAITING TONE ¹⁴⁾	425	0.2 – 0.2 – 0.2 – 5.0
PAYPHONE RECOGNITION TONE I	1633/1336	0.2 – 0.2 – 0.2 – 2.0 (five cycles)
PAYPHONE RECOGNITION TONE II	1366/1024	0.2 – 0.2 – 0.2 – 2.2 (five cycles)
PAYPHONE RECOGNITION TONE III	1336/1024	2.2 – 0.2 – 0.2 – 0.2 (six cycles)
PAYPHONE RECOGNITION TONE IV	1645+857/1215+935	0.2 – 0.2 – 0.2 – 2.0 (five cycles)
GHANA - gh		
DIAL TONE	400	CONTINUOUS
RINGING TONE	400	1.0 – 4.0
BUSY TONE	400	0.25 – 0.25
CONGESTION TONE	400	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	400	0.075 – 0.1 – 0.075 – 0.1 – 0.075 – 0.4
WAITING TONE	400	0.5 – 0.3 – 0.2 – 0.3 – 0.2 – 3.0
HOLDING TONE	400	0.5 – 0.5 – 0.5 – 0.25

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
GIBRALTAR - gi		
DIAL TONE	350+400	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	400	0.1 – 3.0
GREECE - gr		
DIAL TONE	425//450	0.2 – 0.3 – 0.7 – 0.8
SPECIAL DIAL TONE (SPC)	400/425//425/450	0.2 – 0.3 – 0.7 – 0.8
RINGING TONE	425//450	1.0 – 4.0
BUSY TONE	425//450	0.3 – 0.3
CONGESTION TONE (SPC)	425	0.15 – 0.15
SPECIAL INFORMATION TONE (SPC)	950/1450/1800	3×0.33 – 1.0
WAITING TONE (SPC)	425	0.3 – 10.0 – 0.3 – 10.0
INTRUSION TONE	425//450	0.15 – 0.25 – 0.15 – 1.45
HOLDING TONE (SPC)	900	0.5 – 0.5
VALID TONE (RADIO-PAGING)	450	0.1 – 0.1 – 0.1 – 0.7
NUMBER UNOBTAINABLE TONE (RADIO-PAGING)	450	CONTINUOUS
GREENLAND - gl		
DIAL TONE	445//425 ³³⁾	CONTINUOUS
SECOND DIAL TONE	445//425 ³³⁾	CONTINUOUS
RINGING TONE	445//425 ³³⁾	1.0 – 4.0
BUSY TONE	445//425 ³³⁾	0.25 – 0.25
CONGESTION TONE	445//425 ³³⁾	0.25 – 0.25
NUMBER UNOBTAINABLE TONE I	950/1400/1800	3×0.33 – 1.0
NUMBER UNOBTAINABLE TONE II	425 ³³⁾	0.25 – 0.25
PAY TONE	950/1400/1800	3×0.22 – 1.0
GRENADA - gd		
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	460+620	0.5 – 0.5
CONGESTION TONE		recorded announcement
GUADELOUPE (French Dep.) - gp		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
GUIANA (French Dep.) - gf		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
GUINEA - gn		
RINGING TONE	450	0.4 – 0.2
BUSY TONE	450	0.2 – 0.2

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
GUYANA - gy		
DIAL TONE	360/400	1.3 – 0.3 – 0.2 – 0.5
RINGING TONE	425	1.75 – 3.25
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
WAITING TONE	480	0.5 – 18.0
HONDURAS - hn		
DIAL TONE	440	CONTINUOUS
SECOND DIAL TONE	440	0.135 – 0.135
RINGING TONE	440	0.5 – 4.0 – 2.0 – 4.0
BUSY TONE	440	0.5 – 0.5
CONGESTION TONE	440	0.25 – 0.25
WAITING TONE	440	0.5 – 0.5 – 0.2 – 2.7
HONGKONG - hk		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1)+CONTINUOUS
RINGING TONE	440+480	0.4 – 0.2 – 0.4 – 3.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	480+620	CONTINUOUS
WAITING TONE	440	3×(0.5 – 0.5) – 8.0
HUNGARY - hu		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	350+375+400	CONTINUOUS
RINGING TONE	425	1.2 – 3.7
BUSY TONE	425	0.3 – 0.3
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.3 – 0.3 – 0.3 – 1.5
WAITING TONE	425+450	0.3 – 0.3
PAYPHONE RECOGNITION TONE	1100/750	0.2 – 0.2 – 0.2 – 2.0
POSITIVE INDICATION TONE	300+420	1.0 – 0.2 + announcement
NEGATIVE INDICATION TONE	300+420	0.2 – 0.2 + announcement
OFFERING TONE	425	0.3 – 0.3 – 0.3 – 1.5
ICELAND - is		
DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE ¹⁸⁾	425	0.4 – 0.04
RINGING TONE	425	1.2 – 4.7
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE		recorded announcement
WAITING TONE	425	0.2 – 0.6 – 0.2 – 5.0
PAYPHONE RECOGNITION TONE	1633/1209	0.2 – 0.2 – 0.2 – 2.0
INDIA - in		
DIAL TONE	33//50//400×25	CONTINUOUS
RINGING TONE I	400×25	0.4 – 0.2 – 0.4 – 2.6
RINGING TONE II	133//400×25	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	400	0.6 – 0.6
NUMBER UNOBTAINABLE TONE I	400	CONTINUOUS
NUMBER UNOBTAINABLE TONE II	400	2.5 – 0.5

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
INDONESIA - id		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
NUMBER UNOBTAINABLE TONE	425	2.0 – 0.5
PAYPHONE RECOGNITION TONE	1200/800	0.2 – 0.2 – 0.2 – 2.0
OFFERING TONE ⁶⁾	425	0.5 – 0.5 – 0.5 – 1.0
IRAN - ir		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	400/425	CONTINUOUS
RECALL DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WAITING TONE	425	0.2 – 0.2 – 0.2 – 10.0
HOLDING TONE	950/950/1400	0.65 – 0.325 – 0.325 – 1.3 – 2.6
OFFERING TONE ⁶⁾	425	0.15 – 0.25 – 0.15 – 1.45
PREEMPTION TONE	1400	0.1 – 0.1 (three bursts)
PERMANENT SIGNAL TONE	1400	CONTINUOUS
IRAQ - iq		
RECALL DIAL TONE	133	0.4 – 0.2 – 0.4 – 1.5
RINGING TONE	400	CONTINUOUS
BUSY TONE	400	1.0 – 1.0
IRELAND - ie		
DIAL TONE	400/425/450	CONTINUOUS
RINGING TONE	400//450//425×25	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
NUMBER UNOBTAINABLE TONE	400//425	6.0 – 1.0
ROUTE TONE	425	0.06 – 0.06
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
ISRAEL - il		
DIAL TONE	400//425//440	CONTINUOUS
SECOND DIAL TONE	400//440	3×(0.1 – 0.1)+CONTINUOUS
RECALL DIAL TONE	400//440	3×(0.1 – 0.1)+CONTINUOUS
SPECIAL DIAL TONE	400	1.0 – 0.25
RINGING TONE	400//425//440	1.0 – 3.0
BUSY TONE	400//425//440	0.5 – 0.5
SPECIAL INFORMATION TONE	975/1400/1800	3×0.333 – 1.0 + announcement
NUMBER UNOBTAINABLE TONE	975/1400/1800	3×0.333 – 1.0 + announcement
WAITING TONE	400//440	0.15 – 10.0 – 0.15 (only once)
CALLER WAITING TONE	400//440	2×(0.1 – 0.1) – 0.6 – 3.0
CONFIRMATION TONE I	400//440	0.15 – 0.15 – 0.3 (only once)
CONFIRMATION TONE II	400	0.04 – 0.04
PAYPHONE RECOGNITION TONE	1209/452 ⁸⁾	0.2 – 0.2 – 0.2 – 2.0
SEARCH TONE ²⁸⁾	1004	0.01 – 1.0
HOLDING TONE ²⁹⁾	400	0.05 – 2.0

COUNTRY / TONE**FREQUENCY (Hz)****CADENCE (Seconds)****ITALY - it**

DIAL TONE	425	0.6 – 1.0 – 0.2 – 0.2
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.2 – 0.2

JAMAICA - jm

DIAL TONE	350+440	CONTINUOUS
RINGING TONE I	440×480	2.0 – 4.0
RINGING TONE II	440+480	1.5 – 4.5
RINGING TONE III	440+480	1.0 – 4.0
RINGING TONE IV	400//133	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	480+620	0.5 – 0.5
CONGESTION TONE I	480+620	0.3 – 0.2
CONGESTION TONE II	480+620	0.2 – 0.3
NUMBER UNOBTAINABLE TONE	400	3.0 – 0.5
RECORD TONE	480+620	0.25 – 0.25

JAPAN - jp

DIAL TONE	400	CONTINUOUS
DIAL TONE (PABX)	400	0.25 – 0.25
SECOND DIAL TONE I ¹⁷⁾	400	0.125 – 0.125
SECOND DIAL TONE II	440	0.125 – 0.125
SECOND DIAL TONE III	400	0.15 – 0.15
RECALL DIAL TONE	350+440	CONTINUOUS
RINGING TONE	400×16	1.0 – 2.0
RINGING TONE (PABX)	400×20	1.0 – 2.0
BUSY TONE ¹⁷⁾	400	0.5 – 0.5
CONGESTION TONE	400	0.5 – 0.5
SPECIAL INFORMATION TONE	400	0.1 – 0.1
WAITING TONE I	440	0.1 – 0.1 – 0.1 – 1.0
WAITING TONE II	400×16/400	0.5 – 0.5 – 0.5 – 2.5
CALL WAITING TONE	400×16/400	0.5 – 0.0~4.0 – 0.05 – 0.45 – 0.05 – 3.45 – 0.05 – 0.45 – 0.05 – 3.45
PAY TONE I	250	1.0
PAY TONE II	250	0.5
POSITIVE INDICATION TONE	400	0.125 – 0.125 – 0.125 – 0.625

JORDAN - jo

DIAL TONE	420×40//400+440	CONTINUOUS
RINGING TONE I	420×40//440+400	1.2 – 4.8
RINGING TONE II	400+16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	420×40//440+400	0.5 – 0.5
CONGESTION TONE I	420×40	0.5 – 0.5
CONGESTION TONE II	400+440	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	600×120//540+660	2.5 – 0.5
WAITING TONE	420×40//400+440	0.5 – 2×(0.3 – 0.2) – 3.0
CONFIRMATION TONE	400	20×(0.125 – 0.125) – CONTINUOUS
HOLDING TONE	420×40//400+440	0.5 – 0.5 – 0.5 – 0.25

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
KENYA - ke		
DIAL TONE	425//50	CONTINUOUS
SECOND DIAL TONE	425	1.0 – 0.2 – 0.75 – 0.75
RINGING TONE	425	1.0 – 4.0 – 1.0 – 2.0 – 1.0 – 5.0 – 0.4 – 0.2
BUSY TONE	425	0.5 – 0.5 – 0.4 – 0.2
CONGESTION TONE	425	0.2 – 0.2 – 0.4 – 0.35 – 0.225 – 0.525
WARNING TONE – OPERATOR INTERVENING	425	0.2 – 0.2 – 0.2 – 1.4
NUMBER UNOBTAINABLE TONE I	950/1400/1800	3×0.33 – 1.0
NUMBER UNOBTAINABLE TONE II	400	CONTINUOUS
WAITING TONE	425	CONTINUOUS
KIRIBATI - ki		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	425	0.25 – 0.25
WAITING TONE	425	0.4 – 0.2 – 0.4 – 2.0
KOREA (Democratic People's Rep. of) - kp		
RINGING TONE	440+480	1.0 – 2.0
KOREA (Rep. of) - kr		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE I	400//450	1.0 – 4.0
RECALL DIAL TONE II	400//450	1.0 – 2.0
RINGING TONE	440+480	1.0 – 2.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.3 – 0.2
WARNING TONE – OPERATOR INTERVENING	392/494/587	2×(0.5 – 0.5 – 1.5)
NUMBER UNOBTAINABLE TONE	450	0.2 – 0.1 – 0.2 – 1.5
WAITING TONE	350+440	0.25 – 0.25 – 0.25 – 3.25
INTERCEPT TONE	350+440	0.125 – 0.25 – 0.125 – 1.5
KUWAIT - kw		
DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425 ¹⁶⁾	0.4 – 0.04
RINGING TONE I	425	1.0 – 4.0
RINGING TONE II	400	1.0 – 3.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
WARNING TONE – OPERATOR INTERVENING	425 ¹⁵⁾	1.0 – 1.5 – 0.4 – 1.5
INTRUSION TONE	425 ⁶⁾	0.5 – 0.2 – 0.2 – 0.2
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
INTERCEPT TONE	950/1400/1800	3×0.333 – 1.0
LINE LOCKOUT TONE	425	0.5 – 0.5
REFUSAL TONE	425	0.6 – 0.6
ACCEPTANCE TONE	425	CONTINUOUS
KYRGYZSTAN - kg		
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4
CONGESTION TONE	425	0.4 – 0.4
NUMBER UNOBTAINABLE TONE	425	0.4 – 0.4

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
LAO P.D.R. - la		
DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425	0.4 – 0.04
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	1.0 – 1.0
CONGESTION TONE	425	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	425	2.5 – 0.5
WAITING TONE	425	0.4 – 0.4
CONFIRMATION TONE	950 ¹³⁾	CONTINUOUS
LEBANON - lb		
RINGING TONE	435	1.2 – 4.4
BUSY TONE	435	0.4 – 0.2
LIBERIA lr		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425//450	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	425	0.6 – 0.2 – 3×(0.2 – 0.2)
LITHUANIA - it		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4
WAITING TONE	950/1400/1800	3×0.333 – 1.0
LUXEMBOURG - lu		
DIAL TONE	425//450	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425//450	0.5 – 0.5
CONGESTION TONE	425//450	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	425//450	0.25 – 0.25 – 0.25 – 1.25
INTERCEPT TONE	1190/1280	0.25 – 0.25
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
MACAU - mo		
DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425	1.8 – 0.2
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
WAITING TONE	425	0.2 – 0.6
INTERCEPT TONE	950/1400/1800	3×0.333 – 1.0
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
MADAGASCAR - mg		
RINGING TONE	25	1.66 – 3.33
BUSY TONE	450	0.5 – 0.5
WAITING TONE	450	0.125 – 0.125
MALAWI - mw		
DIAL TONE	425	CONTINUOUS
RINGING TONE I	425	1.0 – 4.0
RINGING TONE II	400//133	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	525	0.5 – 0.5
BUSY TONE III	400	0.4 – 0.333
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
MALAYSIA - my		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425	0.25 – 0.25 – 0.25 – 0.25 – 2.0
RINGING TONE	425	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	900/1400/1800	3×1.0 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.5 – 0.2 – 0.2 – 0.2
WARNING TONE – END OF PERIOD	900	0.1 – 0.1 – 0.1 – 0.1 – 0.1 (only once)
NUMBER UNOBTAINABLE TONE	425	2.5 – 0.5
WAITING TONE	425	1.0 – 10.0 – 0.5 – 0.25 – 0.5 – 10.0 – 0.5 – 0.25
LINE LOCKOUT TONE	425	0.5 – 0.5
MALDIVES - mv		
DIAL TONE	400/50	CONTINUOUS
RINGING TONE	400	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	400	1.0 – 10.0
MALI - ml		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425+330	CONTINUOUS
SPECIAL DIAL TONE	425	0.40 – 0.04
RINGING TONE	425	1.7 – 3.3
BUSY TONE	425	0.5 – 0.5
SPECIAL INFORMATION TONE	900/1400/1800	3×0.33 – 0.05 – 0.03) – 1.0
ROUTE TONE	425	0.05 – 0.04
ACCEPTANCE TONE	950	CONTINUOUS
MALTA - mt		
RINGING TONE	400+450//400×25//400×16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
PAY TONE	400	0.15 – 0.15
MARTINIQUE (French Dep.) - mq		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
MAURITANIA - mr		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.5 – 3.5
BUSY TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
MAURITIUS - mu		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.75 – 0.75
ROUTE TONE	425	0.05 – 0.05

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
MAYOTTE - yt		
DIAL TONE	440/330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
MEXICO - mx		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.25 – 0.25
WARNING TONE – OPERATOR INTERVENING	425	0.5 – 0.17 – 0.17 – 0.17
MOLDOVA - md		
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4
CONGESTION TONE	425	0.4 – 0.4
MONTSERRAT - ms		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0
MOROCCO - mc		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	660/440/590/740	0.5 – 0.5 – 0.5 – 0.3 – 0.2
RINGING TONE	425	1.66 – 3.33
BUSY TONE	425	0.5 – 0.5
ROUTE TONE	425	0.05 – 0.05
MOZAMBIQUE - mz		
RINGING TONE	400	1.0 – 5.0
BUSY TONE	400	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	400	0.2 – 0.2
NAMIBIA - na		
DIAL TONE	440×33	CONTINUOUS
RINGING TONE	400×33	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	400	0.5 – 0.5
BUSY TONE III	400	0.25 – 0.25
CONGESTION TONE	400	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
PAYPHONE RECOGNITION TONE	770/1209	0.125 – 1.5
PAY TONE	400	0.125 – 0.125

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
NAURU - nr		
DIAL TONE	400	CONTINUOUS
DIAL TONE (PABX)	33	CONTINUOUS
RECALL DIAL TONE (PABX)	33	CONTINUOUS
RINGING TONE	400	1.0 – 4.0
RINGING TONE (PABX)	425×25	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.5 – 0.5
BUSY TONE (PABX)	425	0.375 – 0.375
CONGESTION TONE (PABX)	425	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	400	0.75 – 0.25 – 0.25 – 0.25
NEPAL - np		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.1 – 3.1
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.175 – 0.175
NUMBER UNOBTAINABLE TONE	425	0.25 – 0.5
NETHERLANDS - nl		
DIAL TONE	425//450	CONTINUOUS
SPECIAL DIAL TONE	425//450	0.5 – 0.05
RINGING TONE	425//450	1.0 – 4.0
BUSY TONE I ⁹⁾	425//450	0.5 – 0.5
BUSY TONE II ¹²⁾	425//450	0.25 – 0.25
CONGESTION TONE	425//450	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WAITING TONE	425//450	0.5 – 9.5
PAY TONE	770//850//950 ¹¹⁾	
POSITIVE INDICATION TONE	425//450	CONTINUOUS
NEGATIVE INDICATION TONE	425//450	0.0625 – 0.0625
NEW CALEDONIA - nc		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
NEW ZEALAND - nz		
DIAL TONE ¹⁷⁾	400	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400 ¹⁷⁾	0.5 – 0.5
CONGESTION TONE I	900 ⁴⁾	0.5 – 0.5
CONGESTION TONE II	400 ^{4) 17)}	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	400 ¹⁷⁾	3×(0.75 – 0.1) – 0.75 – 0.4
WAITING TONE I	400+450	0.5
WAITING TONE II	400	0.25 – 0.25 – 0.25 – 3.25
WAITING TONE III	523/659	3×(0.2 – 3.0) – 0.2
FUNCTION ACKNOWLEDGE TONE	440+450 ⁵⁾	2.0 – 0.4 – 0.2 – 0.4
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
HOLDING TONE	400/400+450	0.5 – 0.5 – 0.5 – 0.25

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
NIGER - ne		
DIAL TONE	440	CONTINUOUS
SECOND DIAL TONE	330//440	CONTINUOUS
RINGING TONE	440	1.7 – 3.3
BUSY TONE	440	0.5 – 0.5
CONGESTION TONE	440	0.5 – 0.5
ROUTE TONE	440	0.05 – 0.05
NIGERIA - ng		
DIAL TONE	400//425//450	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
RECALL DIAL TONE	400//425	CONTINUOUS
RINGING TONE	400//425//450	2.0 – 4.0
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.25 – 0.25
SPECIAL INFORMATION TONE	400//33	0.2 – 1.5
WAITING TONE – OPERATOR INTERVENING	400	0.15 – 0.25 – 0.15 – 1.45
NUMBER UNOBTAINABLE TONE	450	5.5 – 0.5
WAITING TONE	425	2.0 – 4.0
HOLDING TONE	950/950/1400	0.65 – 0.325 – 0.325 – 1.3 – 2.6
NORWAY - no		
RINGING TONE I	425	1.0 – 4.0
RINGING TONE II	400//450	1.0 – 3.0
BUSY TONE I	425	0.5 – 0.5
BUSY TONE II	400//450	0.2 – 0.4
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
PAYPHONE RECOGNITION TONE	1477/941	0.2 – 0.2 – 0.2 – 2.0 (four cycles)
OMAN - om		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
RINGING TONE	425	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
WARNING TONE – OPERATOR INTERVENING	425	0.5 – 0.17 – 0.17 – 0.17
NUMBER UNOBTAINABLE TONE	425	0.2 – 0.3
WAITING TONE	425	0.3 – 1.0
LINE LOCKOUT TONE	425	0.48 – 0.48
PAKISTAN - pk		
RINGING TONE I	450	1.0 – 4.0
RINGING TONE II	400+16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	450	0.4 – 0.675 – 0.13 – 0.17
PANAMA - pa		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.20 – 4.65
BUSY TONE	425	0.32 – 4.65
CONGESTION TONE	425	0.32 – 4.65
SPECIAL INFORMATION TONE	425	0.4 – 0.04
WARNING TONE – OPERATOR INTERVENING	425	0.18 – 0.18 – 0.5 – 0.18
NUMBER UNOBTAINABLE TONE ³⁰⁾		

COUNTRY / TONE**FREQUENCY (Hz)****CADENCE (Seconds)****PAPUA NEW GUINEA - pg**

DIAL TONE	425//400×25//350+440	CONTINUOUS
SPECIAL DIAL TONE	425	0.4 – 0.04
RINGING TONE	425//400×25//400×16 2/3// 400+450//410×20	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425//400	0.375 – 0.375
CONGESTION TONE	425//400 ²⁰⁾	0.375 – 0.375
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.01
WARNING TONE – OPERATOR INTERVENING	1400	0.5 – 11.5
NUMBER UNOBTAINABLE TONE	425//400	2.5 – 0.5
WAITING TONE	425	0.04 – 10.0 – 0.04 – 20.0 – 0.04 – 20.0
PAYPHONE RECOGNITION TONE I	1209/852	0.2 – 0.2 – 0.2 – 2.0 (four cycles)
PAYPHONE RECOGNITION TONE II	1336/941	0.2 – 0.2 – 0.2 – 2.0 (two cycles)
PAYPHONE RECOGNITION TONE III	900	0.075 – 0.15 – 0.075 – 2.7 (two cycles)

PARAGUAY - py

RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	1.0 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.15 – 0.25 – 0.15 – 1.45
NUMBER UNOBTAINABLE TONE	425	2.0 – 0.5
WAITING TONE	950/950/1400	0.65 – 0.325 – 0.125 – 1.3 – 2.6
POSITIVE INDICATION TONE	950/1400/1800	3×0.333 – 1.0

PHILIPPINES - ph

DIAL TONE I	600×120//425	CONTINUOUS
DIAL TONE II	400	0.2 – 0.2
SPECIAL DIAL TONE	400+425	CONTINUOUS
RINGING TONE I	450	1.0 – 10.0
RINGING TONE II	425+480	1.0 – 4.0
BUSY TONE I	600×120//425	0.5 – 0.5
BUSY TONE II	450	0.4 – 0.2
CONGESTION TONE	600×120//480+620	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	600×120	0.25 – 0.25

POLAND - pl

DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425+350	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WAITING TONE	425	0.15 – 0.15 – 0.15 – 4.0
ROUTE TONE	425	0.05 – 0.05

PORTUGAL - pt⁷⁾

DIAL TONE	400//425	CONTINUOUS
SPECIAL DIAL TONE	425	1.0 – 0.2
RINGING TONE	400//425	1.0 – 5.0
BUSY TONE	400//425	0.5 – 0.5
CONGESTION TONE	425	0.2 – 0.2
NUMBER UNOBTAINABLE TONE	400//425 ²⁷⁾	0.2 – 0.2
WAITING TONE	425	0.2 – 0.2 – 0.2 – 5.0
PAYPHONE RECOGNITION TONE	1477/941	0.2 – 0.2 – 0.2 – 2.0

PUERTO RICO

PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
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COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
QATAR - qa		
DIAL TONE	350+440	CONTINUOUS
RINGING TONE I	400+450	0.4 – 0.2 – 0.4 – 2.2
RINGING TONE II	400+450	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400//450	0.8 – 0.8
BUSY TONE II	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
REUNION (French Dep.) - re		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
ROMANIA - ro		
DIAL TONE	400//450	CONTINUOUS
RINGING TONE	400×16//450×25	2.0 – 4.0
BUSY TONE	133//450	0.15 – 0.20
NUMBER UNOBTAINABLE TONE	400//450	6×(0.033 – 0.03) – 0.1 – 0.03
RUSSIA - ru		
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4
WAITING TONE	950/1400/1800	3×0.333 – 1.0
RWANDA - rw		
DIAL TONE	440	CONTINUOUS
SECOND DIAL TONE	340 ³⁾	CONTINUOUS
RINGING TONE	440	1.7 – 3.3
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
ROUTE TONE	440	0.05 – 0.05
S. HELENA - sh		
DIAL TONE	350+400	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
PAY TONE	400	0.125 – 0.125
S.-KITTS-AND-NEVIS - kn		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
S. LUCIA - lc		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
RINGING TONE	425	0.375 – 0.25 – 0.375 – 2.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	425+330	CONTINUOUS
WARNING TONE – OPERATOR INTERVENING	425	0.1 – 4.9
NUMBER UNOBTAINABLE TONE		recorded announcement
WAITING TONE	425	0.2 – 0.2
ROUTE TONE	425	0.05 – 0.05
S. PIERRE AND MIQUELON - pm		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
S. VINCENT AND THE GRENADINES - vc		
DIAL TONE	350+450	CONTINUOUS
RINGING TONE	400+450	0.2 – 0.4
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.255 – 0.525
SAN MARINO - sm		
DIAL TONE	425	0.6 – 1.0 – 0.2 – 0.2
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.2 – 0.2
SAO TOME AND PRINCIPE - st		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.0 – 5.0
BUSY TONE	425	0.5 – 0.5
NUMBER UNOBTAINABLE TONE	425	0.2 – 0.2
PAY TONE	12000	CONTINUOUS
SAUDI ARABIA - sa		
DIAL TONE	425	CONTINUOUS
RECALL DIAL TONE	425	CONTINUOUS
RINGING TONE	425	1.2 – 4.6
BUSY TONE	425	0.5 – 0.5
INTRUSION TONE	425 ⁶⁾	0.5 – 0.2 – 0.2 – 0.2
WAITING TONE	425	0.2 – 0.6 – 0.2 – 4.0
PAYPHONE RECOGNITION TONE	1600/1200	0.2 – 0.2 – 0.2 – 2.0
REFUSAL TONE	425	0.6 – 0.6
ACCEPTANCE TONE	425	CONTINUOUS
SENEGAL - sn		
DIAL TONE	440	CONTINUOUS
SECOND DIAL TONE	440+330	CONTINUOUS
RINGING TONE	400	1.7 – 3.3
BUSY TONE	440	0.5 – 0.5
ROUTE TONE	440	0.05 – 0.05

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
SEYCHELLES - sc		
DIAL TONE	350+440	CONTINUOUS
RINGING TONE	425	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.375 – 0.375
CONGESTION TONE	425	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	425	CONTINUOUS
SIERRA LEONE - sl		
DIAL TONE	425//450 ³³⁾	CONTINUOUS
RINGING TONE	425//450 ³³⁾	1.0 – 4.0
BUSY TONE	425//450 ³³⁾	0.5 – 0.5
CONGESTION TONE	425	0.2 – 0.2
NUMBER UNOBTAINABLE TONE	950//450/150 ³³⁾	0.33 – 0.03
WAITING TONE	425	1.0 (one burst)
SINGAPORE - sg		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425×24	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	425	0.75 – 0.75
CONGESTION TONE	425	0.25 – 0.25
WARNING TONE – OPERATOR INTERVENING	425	0.125 – 0.125
NUMBER UNOBTAINABLE TONE	425	2.5 – 0.5
WAITING TONE	425	0.3 – 0.2 – 0.3 – 3.2
INTERCEPT TONE	425	0.25 – 2.0
PAYPHONE RECOGNITION TONE	1206/832	0.2 – 0.2 – 0.2 – 2.0
SLOVAKIA - sk		
DIAL TONE I	425	0.33 – 0.33 – 0.66 – 0.66
DIAL TONE II (centrex)	425	CONTINUOUS
SPECIAL DIAL TONE	425	3×(0.165 – 0.165) – 0.660 – 0.660
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.33 – 0.33
CONGESTION TONE	425	0.165 – 0.165
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
WAITING TONE	425	0.33 – 9.0
CALLER WAITING TONE	425	1.0 – 0.17 – 0.33 – 3.5
CONNECTION TONE	1400	0.05 – 0.05
OFFERING TONE ⁶⁾	425	0.33 – 0.33 – 0.33 – 1.5
CONFERENCE TONE	425	0.66
SLOVENIA - si		
DIAL TONE	425	0.7 – 0.8 – 0.2 – 0.3
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.2 – 0.2
SPECIAL INFORMATION TONE	950/1400/1600	3×0.333 – 1.0
SOLOMON - sb		
DIAL TONE	400	CONTINUOUS
RINGING TONE	400+450	0.4 – 0.2
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.1 – 0.1
NUMBER UNOBTAINABLE TONE	400	0.075 – 0.1
WAITING TONE	400+450/400	0.5 – 0.5
PAY TONE	852	0.2 – 2.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
SOUTH AFRICA - za		
DIAL TONE	400×33	CONTINUOUS
SPECIAL DIAL TONE	400×33 1/3	4×(0.25 – 0.25) – CONTINUOUS
RINGING TONE	400×33	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.5 – 0.5
CONGESTION TONE	400	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	400	0.15 – 0.25 – 0.15 – 1.45
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
WAITING TONE	400×33 1/3	3×(0.25 – 0.25) – 0.25 – 7.25
PAY TONE	900	0.2 – 1.8
PAYPHONE RECOGNITION TONE	770/1209	0.125 – 1.5
POSITIVE INDICATION TONE	700/1100	0.25 – 0.25 – 0.25 – 0.25
COMFORT TONE	950/950/1400	0.65 – 0.325 – 0.325 – 1.3 – 2.6
NOTIFY TONE	900	3×0.2 – 2×0.2
SPAIN - es		
DIAL TONE	425	CONTINUOUS
DIAL TONE ³⁾	600	CONTINUOUS
SPECIAL DIAL TONE	425	1.0 – 0.1
RINGING TONE	425	1.5 – 3.0
BUSY TONE	425	0.2 – 0.2
CONGESTION TONE	425	2×(0.2 – 0.2) – 0.2 – 0.6
SPECIAL INFORMATION TONE I	950/1400/1800	3×0.333 – 1.0
SPECIAL INFORMATION TONE II	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
WARNING TONE – OPERATOR INTERVENING	1400	0.4 – 5.0
NUMBER UNOBTAINABLE TONE	425	0.2 – 0.2 – 0.2 – 0.6
WAITING TONE I	425	0.2 – 0.6
WAITING TONE II	425	0.175 – 0.175 – 0.175 – 3.5
PAYPHONE RECOGNITION TONE I	1600	0.05 – 1.28
PAYPHONE RECOGNITION TONE II	1600	0.05 – 0.05 – 0.05 – 1.55
PAYPHONE RECOGNITION TONE III	1600	0.05 – 0.05 – 0.05 – 0.05 – 0.05 – 1.5
SRI LANKA - lk		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	0.65 – 0.03
RINGING TONE	425	0.4 – 0.2
BUSY TONE	425	0.75 – 0.75
CONGESTION TONE	425	0.25 – 0.25
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	425	0.2 – 0.2 – 0.2 – 4.5
ROUTE TONE	425	0.05 – 0.05
SURINAME - sr		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425	15.0 – 0.5
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
SWAZILAND - sz		
DIAL TONE	50	CONTINUOUS
RINGING TONE	400	0.4 – 0.2 – 0.4 – 4.0
BUSY TONE I	400	0.5 – 0.5
BUSY TONE II	400	0.4 – 0.4
NUMBER UNOBTAINABLE TONE	400	4.8 – 0.2
PAYPHONE RECOGNITION TONE I	1430/943	2.0 – 2.0
PAYPHONE RECOGNITION TONE II	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
PAY TONE	900	0.25 – 0.25
SWEDEN - se		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425	0.32 – 0.01
RINGING TONE I	425	1.0 – 5.0
RINGING TONE II ²⁷⁾	400	1.0 – 9.0
BUSY TONE	425	0.25 – 0.25
CONGESTION TONE	425	0.25 – 0.75
SPECIAL INFORMATION TONE I	950/1400/1800	3×0.333 – 1.0 + announcement
SPECIAL INFORMATION TONE II ²⁷⁾	400	3×(0.05 – 0.2) – 0.6
WARNING TONE – OPERATOR INTERVENING	1400	0.1 – 1.5
WARNING TONE I	1400 ¹⁵⁾	0.35 – 15.0
WARNING TONE II	425 ²¹⁾	2.0 – 5.0 – CONTINUOUS
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.333 – 1.0 + announcement
WAITING TONE	425	0.2 – 0.5 – 0.2 (only once)
PAYPHONE RECOGNITION TONE	1633/1336	0.2 – 0.2 – 0.2 – 4.0 (seven cycles)
PAY TONE ²⁾	941	0.2 – 0.2 – 0.2 – 3.6 (two cycles)
SWITZERLAND - ch		
DIAL TONE	425	CONTINUOUS
DIAL TONE (PABX)	500	CONTINUOUS
RINGING TONE	425//500	1.0 – 4.0
BUSY TONE I	425	0.5 – 0.5
BUSY TONE II	425	0.25 – 0.25
BUSY TONE (PABX)	500	0.5 – 0.5
CONGESTION TONE	425	0.2 – 0.2
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
RECORD TONE	1400	0.45 – 15.0
PAYPHONE RECOGNITION TONE I	800/1200	0.2 – 0.2 – 0.2 – 2.0
PAYPHONE RECOGNITION TONE II	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0
SYRIA - sy		
DIAL TONE	450	CONTINUOUS
RECALL DIAL TONE	450	CONTINUOUS
RINGING TONE I	425//475	1.0 – 4.0
RINGING TONE II	450//50	1.0 – 3.0
BUSY TONE I	450	0.5 – 0.5
BUSY TONE II	450	0.44 – 0.49
CONGESTION TONE	450	2×(0.2 – 0.23) – 0.2 – 0.92
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.33 – 2×0.03) – 1.0
NUMBER UNOBTAINABLE TONE	450	0.9 – 0.2 – 2×(0.25 – 0.2)
TAJKISTAN - tj		
RINGING TONE	425	0.8 – 3.2
BUSY TONE	425	0.4 – 0.4
WAITING TONE	950/1400/1800	3×0.333 – 1.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
TANZANIA - tz		
DIAL TONE	50	CONTINUOUS
RINGING TONE I	400	CONTINUOUS
RINGING TONE II	400	1.0 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	400	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
THAILAND - th		
DIAL TONE	400×50//400	CONTINUOUS
RINGING TONE	400	1.0 – 4.0
BUSY TONE I	400	0.5 – 0.5
BUSY TONE II	450	0.333 – 0.333
WARNING TONE – OPERATOR INTERVENING	800	1.0
NUMBER UNOBTAINABLE TONE	400	6×(0.1 – 0.9) – 0.3 – 0.7
OFFERING TONE ⁶⁾	400	2×(0.17 – 0.83) – 0.51 – 0.49
TRINIDAD AND TOBAGO - tt		
DIAL TONE	350+440	CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
WAITING TONE	440	0.3 – 10.0
RE-ORDER TONE I	480+620	0.3 – 0.2
RE-ORDER TONE II ⁶⁾	480+620	0.2 – 0.3
TUNISIA - tn		
DIAL TONE I	425	CONTINUOUS
DIAL TONE II	425	0.4 – 0.04
RINGING TONE	425	1.2 – 4.6
BUSY TONE I	425	0.25 – 0.25
BUSY TONE II (special)	950	CONTINUOUS
CONGESTION TONE	425	0.167 – 0.167
TURKEY - tr		
DIAL TONE	450	CONTINUOUS
SECOND DIAL TONE	350+450	CONTINUOUS
SPECIAL DIAL TONE	450	1.0 – 0.25
RINGING TONE	450	2.0 – 4.0
BUSY TONE	450	0.5 – 0.5
CONGESTION TONE	450	3×(0.2 – 0.2) – 0.6 – 0.2
SPECIAL INFORMATION TONE	950/1400/1800	3×0.3 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.6 – 0.2
NUMBER UNOBTAINABLE TONE	450	0.2 – 0.2
WAITING TONE	350+450/450	0.5 – 0.5 – 2.5
PAYPHONE RECOGNITION TONE	1000/1200//1000/1330	0.25 – 0.25 – 0.25 – 2.0
CONFIRMATION TONE	450	0.04 – 0.04
TURKMENISTAN - tm		
DIAL TONE	425	CONTINUOUS
SECOND DIAL TONE	425	CONTINUOUS
RINGING TONE	25	0.4 – 4.0
BUSY TONE	425	0.4 – 0.4
CONGESTION TONE	425	0.4 – 0.4
NUMBER UNOBTAINABLE TONE	425	0.8 – 4.0
ROUTE TONE	25	0.4 – 0.4

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
TURKS AND CAICOS ISLANDS - tc		
DIAL TONE	350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	440+480	2.0 – 4.0
BUSY TONE	480+620	0.5 – 0.5
CONGESTION TONE	480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33 – 1.0
WARNING TONE – OPERATOR INTERVENING	450	0.2 – 0.2 – 0.65 – 0.2
NUMBER UNOBTAINABLE TONE	480+620	0.25 – 0.25
WAITING TONE	440	1×(0.5 – 10.0 – 0.5)
PAYPHONE RECOGNITION TONE	1600/1143	0.2 – 0.2 – 0.2 – 2.0
UGANDA - ug		
DIAL TONE	33//50	CONTINUOUS
RINGING TONE	133+17//400+17//400+450	0.25 – 0.5 – 0.25 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	400	0.375 – 0.375
NUMBER UNOBTAINABLE TONE I	400	CONTINUOUS
NUMBER UNOBTAINABLE TONE II	400	2.5 – 0.5
UNITED ARAB EMIRATES - ae		
DIAL TONE	350+440	CONTINUOUS
RINGING TONE	400+450//425	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400//425	0.375 – 0.375
CONGESTION TONE	400//425	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400//425	CONTINUOUS
UNITED KINGDOM - gb		
DIAL TONE	50//350+440	CONTINUOUS
STUTTERED DIAL TONE	350+440	0.75 – 0.75
RINGING TONE	400+450//400×25//400×16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
CONGESTION TONE	400	0.4 – 0.35 – 0.225 – 0.525
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
PAYPHONE RECOGNITION TONE	1200/800	0.2 – 0.2 – 0.2 – 2.0
PAY TONE	400	0.125 – 0.125
UNITED STATES - us		
DIAL TONE	600×120 ²³⁾ //350+440	CONTINUOUS
RECALL DIAL TONE	350+440	3×(0.1 – 0.1) – CONTINUOUS
RINGING TONE	420×40 ²³⁾ //440+480	2.0 – 4.0
RINGING TONE (PABX)	440+480	1.0 – 3.0
BUSY TONE	600×120 ²³⁾ //480+620	0.5 – 0.5
CONGESTION TONE	600×120 ²³⁾ //480+620	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.33
WARNING TONE – OPERATOR INTERVENING	440 ²⁴⁾	2.0 – 10.0 – 0.5 – 10.0
WARNING TONE – OPERATOR INTERVENING (PABX)	440 ^{24) 25)}	1.5 – 8.0 – 0.5 – 8.0
WAITING TONE (PABX)	440 ²⁶⁾	0.3 – 10.0
RECORD TONE	1400	0.5 – 15.0
EXECUTIVE OVERRIDE TONE (PABX)	440	3.0
INTERCEPT TONE (PABX)	440/620	0.25 – 0.25
CONFIRMATION TONE (PABX)	350+440	3×0.1 – 2×0.1
UNITED STATES VIRGIN ISLANDS - vi		
RINGING TONE	440+480	2.0 – 4.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
URUGUAY - uy		
DIAL TONE I	425	CONTINUOUS
DIAL TONE II	450	0.7 – 0.8 – 0.2 – 0.3
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
WARNING TONE – OPERATOR INTERVENING	425	0.15 – 0.25 – 0.15 – 1.45
WAITING TONE	425	0.2 – 0.2 – 0.2 – 4.4
POSITIVE INDICATION TONE	425	2×(0.1 – 0.2) – 0.1 – 1.3
NEGATIVE INDICATION TONE	425	0.5 – 0.5
VANUATU - vu		
DIAL TONE	425	CONTINUOUS
SPECIAL DIAL TONE	425	0.4 – 0.04
RINGING TONE I	425	1.0 – 4.0
RINGING TONE II	400×450//133×16 2/3	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE I	400	0.75 – 0.75
BUSY TONE II	425	0.5 – 0.5
BUSY TONE III	400	0.375 – 0.375
SPECIAL INFORMATION TONE	950//1400//1800	0.33 – 0.03
NUMBER UNOBTAINABLE TONE	400	CONTINUOUS
WAITING TONE	425	0.3 – 10.0
ROUTE TONE	425	0.05 – 0.05
ACCEPTANCE TONE	950	CONTINUOUS
WALLIS AND FUTUNA - wf		
DIAL TONE	440//330+440	CONTINUOUS
RINGING TONE	440	1.5 – 3.5
BUSY TONE	440	0.5 – 0.5
SPECIAL INFORMATION TONE	950/1400/1800	(3×0.3 – 2×0.03) – 1.0
ROUTE TONE ²²⁾	440	0.05 – 0.05
WESTERN SAMOA - ws		
DIAL TONE	425	CONTINUOUS
RINGING TONE	425×25	0.375 – 0.25 – 0.375 – 2.0
CONGESTION TONE		recorded announcement
NUMBER UNOBTAINABLE TONE		recorded announcement
YUGOSLAVIA - yu		
DIAL TONE	425	0.7 – 0.8 – 0.2 – 0.3
RINGING TONE I	450×25	1.0 – 9.0
RINGING TONE II	425	1.0 – 4.0
BUSY TONE I	425	0.5 – 0.5
BUSY TONE II	425	0.2 – 0.4
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
ZAMBIA - zm		
DIAL TONE	425//50	CONTINUOUS
RINGING TONE	425	1.0 – 4.0
BUSY TONE	425	0.5 – 0.5
CONGESTION TONE	425	0.25 – 0.25
SPECIAL INFORMATION TONE	950/1400/1800	3×0.333 – 1.0
INTRUSION TONE	425	0.1 – 4.9
NUMBER UNOBTAINABLE TONE	950/1400/1800	3×0.33 – 1.0
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0

COUNTRY / TONE	FREQUENCY (Hz)	CADENCE (Seconds)
ZIMBABWE - zw		
DIAL TONE	400	CONTINUOUS
SECOND DIAL TONE	400×450//400×33	CONTINUOUS
RINGING TONE	400×450//400×33	0.4 – 0.2 – 0.4 – 2.0
BUSY TONE	400	0.375 – 0.375
NUMBER UNOBTAINABLE TONE	400	2.5 – 0.5
WAITING TONE	523/659	1.5 – 1.5
PAYPHONE RECOGNITION TONE	1100+1750/750+1450	0.2 – 0.2 – 0.2 – 2.0

Footnotes To Tone Tables:

- 1) With harmonics applied every 30 ms.
- 2) Announces that the call is to terminate in a specified time unless the user inserts another coin in the coin box.
- 3) International.
- 4) Disconnect tone/Overflow tone.
- 5) Switching complete tone.
- 6) Trunk.
- 7) Analogue exchanges: 400 Hz; digital exchanges: 425 Hz.
- 8) The first silent part may be minimum zero.
- 9) Standardized version.
- 10) For one or two seconds only.
- 11) This tone burst is given for 1 to 2 seconds between 15 and 20 seconds before the paid time expires.
- 12) In older equipments.
- 13) Registration confirmation for subscriber dialling alarm call and do not disturb services.
- 14) This tone is used within the supplementary service “call waiting” the duration is 30 seconds.
- 15) Warning tone - three party conference.
- 16) For subscribers with don't disturb or absent subscriber service activated.
- 17) This tone is also used in private branch exchanges (PABX).
- 18) Special dial tone is used when call transfer is active.
- 19) Divergence till 530 Hz.
- 20) Reduced by 10 dB every other time.
- 21) Warning tone - at time limit barring.
- 22) This tone is generally not retransmitted outside the French network. It can be retransmitted, however, in the case of calls arriving in Paris, which have to go through certain long-distance connections in the national network and in the case of certain neighbouring international relations. This tone is progressively withdrawn.
- 23) Not North American precise tone plan; however it is possible that these tones may be received from certain electromechanical switching systems.
- 24) Busy verification.
- 25) One application of 1.5 to 2 seconds before PABX user intervenes; followed by repeated applications of 0.5 to 0.8 seconds, at intervals of 8 to 20 seconds.
- 26) Modern PABXs may have one of the following arrangements using 400 Hz:
 - a) single burst tone: **0.3** seconds,
 - b) two burst tone: **0.1 - 0.1 - 0.1** seconds,
 - c) three burst tone: **0.1 - 0.1 - 0.1 - 0.1 - 0.1** seconds.
- 27) Analogue exchanges.

- 28) Radio cellular lines only, prior to ringing tone or “not available” verbal announcement.
- 29) To the caller on answered waiting calls.
- 30) A pre-recorded message is sent in electronic exchanges and a period tone in analogue exchanges.
- 31) Frequency of 450 Hz used only in analogue exchanges.
- 32) Reduce by 8 dB than dial tone.
- 33) Analogue exchanges: Greenland = 425 Hz; Sierra Leone = 450 Hz.

EXPLANATION OF SYMBOLS

Frequency in Hz: $f_1 \times f_2$ f_1 is modulated by f_2
 $f_1 + f_2$ the juxtaposition of two frequencies f_1 and f_2 without modulation
 f_1 / f_2 f_1 is followed by f_2
 $f_1 // f_2$ in some exchanges frequency f_1 is used and in others frequency f_2 is used.

Cadence in seconds: **ON** – **OFF**

Other related documents.

Please see the Vega primer.

Tone definitions may be found in the ITU specs E0180S2E.

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