Information Note
Country Tones

Introduction

In different countries, various telephony tones, like ringback tone, busy tone, and dial tone have their own frequencies and cadences. When Vega gateways are deployed in different countries these telephony tones can be configured to match that country's tones.

The tones can be configured on the Tones page of the Vega web browser, or can be configured using command line interface commands. Command line interface commands can be actioned by pasting the configuration commands into a telnet command line interface session, or by loading them using the GET command.

This document is divided into two sections:
- section 1 where the tone requirements for specific countries are defined and command line interface configuration commands are supplied
- section 2 where the tone requirements for additional countries are defined, but the configuration commands for the tones are not defined.

Following the style of the configurations supplied in section 1, creating the tones for countries in section 2 should be straightforward.

Within each country definition, there are five sub-sections:
1. Tone definitions for telephony tones (and in section 1 – command line interface configuration commands) – required for all Vega gateways
2. Power ringing command line interface configuration commands – configuration for Vega gateways with FXS ports
3. Ring cadence detection command line interface configuration commands – configuration for Vega gateways with FXO ports
4. Ring cadence detection command line interface configuration commands – configuration for Vega 50 6x4 gateways with FXO ports
5. Time zone offset

Contents

1. Tone requirements and CLI commands to configure Vega

1.1 Argentina (Country code 54)

1.1.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 1.0 on, 0.25 off
; busy          = 425 Hz 0.3 on, 0.2 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion 425 Hz 0.3 on, 0.4 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Argentina_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Argentina_stutter_dialtone
set .tones.def.2.off_time=250
set .tones.def.2.on_time=1000
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Argentina_busy
set .tones.def.3.off_time=200
set .tones.def.3.on_time=300
set .tones.def.3.repeat=1
;
cp   .tones.def.4
set .tones.def.4.amp1=6000
```

```
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Argentina_fastbusy
set .tones.def.4.off_time=400
set .tones.def.4.on_time=300
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Argentina_ringing
set .tones.def.5.off_time=4000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Argentina_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp  .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Argentina_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Argentina_dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Argentina_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
```

```
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Argentina_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Argentina_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Argentina_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Argentina_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Argentina_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.1.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Argentina
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.1.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.1.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.1.5 Time zone offset

```
set .ntp.local_offset="-0300"
```

1.2 Australia (Country code 61)

1.2.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 Hz * 25 Hz (= 400Hz + 450 Hz at half amplitude) Continuous
; stuttered dial = 425 Hz * 25 Hz (= 400Hz + 450 Hz at half amplitude) 0.75 on, 0.75 off
; busy          = 400Hz 0.375 on, 0.375 off
; ringback      = 400 Hz * 17 Hz (= 383 Hz + 417 Hz at half amplitude) 0.4 on, 0.2 off,
0.4 on, 2.0 off
; fastbusy      = use congestion 400 Hz 0.375 on, 0.375 off full volume, 0.375 on, 0.375
off 10db down
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
;
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=6000
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=400
set .tones.def.1.freq2=450
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Aus_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=6000
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=400
set .tones.def.2.freq2=450
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Aus_stutter_dialtone
set .tones.def.2.off_time=750
set .tones.def.2.on_time=750
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=400
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Aus_busy
set .tones.def.3.off_time=375
```

```
set .tones.def.3.on_time=375
set .tones.def.3.repeat=1
;
cp  .tones.def.4
;fastbusy 2nd tone = 10db down
set .tones.def.4.amp1=1581
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=400
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Aus_fastbusy_tone_2
set .tones.def.4.off_time=375
set .tones.def.4.on_time=375
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=5000
set .tones.def.5.amp2=5000
set .tones.def.5.amp3=0
set .tones.def.5.amp4=0
set .tones.def.5.freq1=400
set .tones.def.5.freq2=450
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Aus_ringing_tone
set .tones.def.5.off_time=2100
set .tones.def.5.on_time=400
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Aus_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Aus_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Aus_dial_seq
set .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
```

```
;
cp  .tones.seq.2
set .tones.seq.2.name=Aus_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Aus_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Aus_fastbusy_seq
set .tones.seq.4.repeat=1
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=750
set .tones.seq.4.tone.1.play_tone=3
cp  .tones.seq.4.tone.2
set .tones.seq.4.tone.2.duration=750
set .tones.seq.4.tone.2.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Aus_ringback_seq
set .tones.seq.5.repeat=1
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=600
set .tones.seq.5.tone.1.play_tone=5
cp  .tones.seq.5.tone.2
set .tones.seq.5.tone.2.duration=2400
set .tones.seq.5.tone.2.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Aus_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Aus_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
```

```
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.2.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Australia
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
```

```
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.2.3   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=31
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.2.4   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.2.5   Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="1100"
set .ntp.local_offset="1000"
set .ntp.local_offset="0900"
set .ntp.local_offset="0800"
```

1.3 Austria (Country code 43)

1.3.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 420 HZ Continuous
; stuttered dial = 420 Hz 0.04 on, 1.95 off
; busy          = 420 Hz 0.4 on, 0.4 off
; ringback      = 420 Hz 1.0 on, 5.0 off
; fastbusy      = use congestion 420 Hz 0.2 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=420
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Austria_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=420
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Austria_stutter_dialtone
set .tones.def.2.off_time=1950
set .tones.def.2.on_time=40
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=420
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Austria_busy
set .tones.def.3.off_time=400
set .tones.def.3.on_time=400
set .tones.def.3.repeat=1
;
cp   .tones.def.4
```

```
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=420
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Austria_fastbusy
set .tones.def.4.off_time=200
set .tones.def.4.on_time=200
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=420
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Austria_ringing
set .tones.def.5.off_time=5000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Austria_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Austria_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Austria_dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Austria_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Austria_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Austria_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Austria_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Austria_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Austria_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.3.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 1.0 on, 5.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Austria
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=5000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.3.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=33
set ._advanced.pots.fxo.1.ring_cadence_limit=500
set ._advanced.pots.fxo.1.ring_cadence_threshold=400
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.3.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=5000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.3.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.4 Belgium (Country code 32)

1.4.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 1.0 on, 0.25 off [not defined]
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 3.0 off
; fastbusy      = use congestion 425 Hz 0.167 on, 0.167 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Belgium_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Belgium_stutter_dialtone
set .tones.def.2.off_time=250
set .tones.def.2.on_time=1000
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Belgium_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
;
cp   .tones.def.4
```

```
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Belgium_fastbusy
set .tones.def.4.off_time=167
set .tones.def.4.on_time=167
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Belgium_ringing
set .tones.def.5.off_time=3000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Belgium_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Belgium_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Belgium_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Belgium_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Belgium_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Belgium_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Belgium_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Belgium_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.4.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 3.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Belgium
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=3000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.4.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 3.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=20
set ._advanced.pots.fxo.1.ring_cadence_limit=300
set ._advanced.pots.fxo.1.ring_cadence_threshold=240
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.4.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 3.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.4.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.5   Brazil   (Country code 55)

1.5.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.05 on, 1.0 off
; busy          = 425 Hz 0.25 on, 0.25 off
; ringback       = 425 Hz 1.0 on, 4.0 off
; fastbusy       = use faster version of busy 425 Hz 0.1 on, 0.1 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Brazil_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Brazil_stutter_dialtone
set .tones.def.2.off_time=50
set .tones.def.2.on_time=1000
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Brazil_busy
set .tones.def.3.off_time=250
set .tones.def.3.on_time=250
set .tones.def.3.repeat=1
;
cp  .tones.def.4
```

```
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Brazil_fastbusy
set .tones.def.4.off_time=100
set .tones.def.4.on_time=100
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Brazil_ringing
set .tones.def.5.off_time=4000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Brazil_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Brazil_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
;
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
cp  .tones.seq.2
set .tones.seq.2.name=Brazil_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp   .tones.seq.2.tone.1
set  .tones.seq.2.tone.1.duration=2000
set  .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set  .tones.seq.2.tone.2.duration=598000
set  .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set  .tones.seq.2.tone.3.duration=0
set  .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set  .tones.seq.3.name=Brazil_busy_seq
set  .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set  .tones.seq.3.tone.1.duration=0
set  .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set  .tones.seq.4.name=Brazil_fastbusy_seq
set  .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set  .tones.seq.4.tone.1.duration=0
set  .tones.seq.4.tone.1.play_tone=4
;
cp   .tones.seq.5
set  .tones.seq.5.name=Brazil_ringing_seq
set  .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set  .tones.seq.5.tone.1.duration=0
set  .tones.seq.5.tone.1.play_tone=5
;
cp   .tones.seq.6
set  .tones.seq.6.name=Brazil_callwait1_seq
set  .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set  .tones.seq.6.tone.1.duration=350
set  .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set  .tones.seq.7.name=Brazil_callwait2_seq
set  .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set  .tones.seq.7.tone.1.duration=150
set  .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set  .tones.seq.7.tone.2.duration=150
set  .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set  .tones.seq.7.tone.3.duration=150
set  .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set  .tones.seq.7.tone.4.duration=150
set  .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set  .tones.seq.7.tone.5.duration=300
set  .tones.seq.7.tone.5.play_tone=7
;
;
cp   .
```

1.5.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Brazil
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.5.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.5.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.5.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="-0200"
set .ntp.local_offset="-0300"
set .ntp.local_offset="-0400"
set .ntp.local_offset="-0500"
```

1.6   Canada (Country code 1)

1.6.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 350 HZ + 440 HZ Continuous
; stuttered dial = 350 HZ + 440 HZ 0.1 on, 0.1 off
; busy          = 480 Hz + 620 Hz 0.5 on, 0.5 off
; ringback      = 440 Hz + 480 Hz 2.0 on, 4.0 off
; fastbusy      = use congestion 480 Hz + 620 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
set .tones.ringback_seq=5
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=6000
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=350
set .tones.def.1.freq2=440
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Canada_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=6000
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=350
set .tones.def.2.freq2=440
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Canada_stutter_dialtone
set .tones.def.2.off_time=100
set .tones.def.2.on_time=100
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=5000
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=480
set .tones.def.3.freq2=620
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Canada_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
;
cp   .tones.def.4
```

```
set .tones.def.4.amp1=5000
set .tones.def.4.amp2=5000
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=480
set .tones.def.4.freq2=620
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Canada_fastbusy
set .tones.def.4.off_time=250
set .tones.def.4.on_time=250
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=5000
set .tones.def.5.amp2=5000
set .tones.def.5.amp3=0
set .tones.def.5.amp4=0
set .tones.def.5.freq1=440
set .tones.def.5.freq2=480
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Canada_ringing_tone
set .tones.def.5.off_time=4000
set .tones.def.5.on_time=2000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Canada_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Canada_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Canada_dial_seq
set .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Canada_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp   .tones.seq.2.tone.1
set  .tones.seq.2.tone.1.duration=2000
set  .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set  .tones.seq.2.tone.2.duration=598000
set  .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set  .tones.seq.2.tone.3.duration=0
set  .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set  .tones.seq.3.name=Canada_busy_seq
set  .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set  .tones.seq.3.tone.1.duration=0
set  .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set  .tones.seq.4.name=Canada_fastbusy_seq
set  .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set  .tones.seq.4.tone.1.duration=0
set  .tones.seq.4.tone.1.play_tone=4
;
cp   .tones.seq.5
set  .tones.seq.5.name=Canada_ringing_seq
set  .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set  .tones.seq.5.tone.1.duration=0
set  .tones.seq.5.tone.1.play_tone=5
;
cp   .tones.seq.6
set  .tones.seq.6.name=Canada_callwait1_seq
set  .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set  .tones.seq.6.tone.1.duration=350
set  .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set  .tones.seq.7.name=Canada_callwait2_seq
set  .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set  .tones.seq.7.tone.1.duration=150
set  .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set  .tones.seq.7.tone.2.duration=150
set  .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set  .tones.seq.7.tone.3.duration=150
set  .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set  .tones.seq.7.tone.4.duration=150
set  .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set  .tones.seq.7.tone.5.duration=300
set  .tones.seq.7.tone.5.play_tone=7
;
;
cp   .
```

1.6.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 2.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Canada
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=2000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.6.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 2.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=13
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.6.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 2.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=2000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.6.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="-0330"
set .ntp.local_offset="-0400"
set .ntp.local_offset="-0500"
set .ntp.local_offset="-0600"
set .ntp.local_offset="-0700"
set .ntp.local_offset="-0800"
```

1.7 Chile (Country code 56)

1.7.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 400 HZ Continuous
; stuttered dial = 900 Hz + 1300 Hz 0.5 on, 0.5 off
; busy          = 400 Hz 0.5 on, 0.5 off
; ringback       = 400 Hz 1.0 on, 3.0 off
; fastbusy       = use congestion 400 Hz 0.2 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
;
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=400
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Chile_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=4242
set .tones.def.2.amp2=4242
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=900
set .tones.def.2.freq2=1300
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Chile_stutter_dialtone
set .tones.def.2.off_time=500
set .tones.def.2.on_time=500
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=400
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Chile_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
```

```
;
cp   .tones.def.4
set  .tones.def.4.amp1=6000
set  .tones.def.4.amp2=0
set  .tones.def.4.amp3=0
set  .tones.def.4.amp4=0
set  .tones.def.4.freq1=400
set  .tones.def.4.freq2=0
set  .tones.def.4.freq3=0
set  .tones.def.4.freq4=0
set  .tones.def.4.name=Chile_fastbusy
set  .tones.def.4.off_time=200
set  .tones.def.4.on_time=200
set  .tones.def.4.repeat=1
;
cp   .tones.def.5
set  .tones.def.5.amp1=6000
set  .tones.def.5.amp2=0
set  .tones.def.5.amp2=0
set  .tones.def.5.amp3=0
set  .tones.def.5.freq1=400
set  .tones.def.5.freq2=0
set  .tones.def.5.freq3=0
set  .tones.def.5.freq4=0
set  .tones.def.5.name=Chile_ringing
set  .tones.def.5.off_time=3000
set  .tones.def.5.on_time=1000
set  .tones.def.5.repeat=1
;
cp   .tones.def.6
set  .tones.def.6.amp1=32000
set  .tones.def.6.amp2=32000
set  .tones.def.6.amp3=32000
set  .tones.def.6.amp4=32000
set  .tones.def.6.freq1=1400
set  .tones.def.6.freq2=2060
set  .tones.def.6.freq3=2450
set  .tones.def.6.freq4=2600
set  .tones.def.6.name=Chile_offhook_warning
set  .tones.def.6.off_time=100
set  .tones.def.6.on_time=100
set  .tones.def.6.repeat=1
;
cp .tones.def.7
set  .tones.def.7.amp1=5000
set  .tones.def.7.amp2=0
set  .tones.def.7.amp3=0
set  .tones.def.7.amp4=0
set  .tones.def.7.freq1=440
set  .tones.def.7.freq2=0
set  .tones.def.7.freq3=0
set  .tones.def.7.freq4=0
set  .tones.def.7.name=Chile_callwait
set  .tones.def.7.off_time=50
set  .tones.def.7.on_time=300
set  .tones.def.7.repeat=0
;
purge .tones.seq
cp   .tones.seq.1
set  .tones.seq.1.name=Chile_dial_seq
set  .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp   .tones.seq.1.tone.1
set  .tones.seq.1.tone.1.duration=600000
set  .tones.seq.1.tone.1.play_tone=1
cp   .tones.seq.1.tone.2
set  .tones.seq.1.tone.2.duration=0
set  .tones.seq.1.tone.2.play_tone=6
;
cp   .tones.seq.2
set  .tones.seq.2.name=Chile_stutter_dial_seq
```

```
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp   .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set .tones.seq.3.name=Chile_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set .tones.seq.4.name=Chile_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp   .tones.seq.5
set .tones.seq.5.name=Chile_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp   .tones.seq.6
set .tones.seq.6.name=Chile_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set .tones.seq.7.name=Chile_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp .
```

1.7.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 3.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=20
set ._advanced.pots.ring.1.name=External_Chile
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=3000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

Country tone definitions

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.7.3   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 3.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=20
set ._advanced.pots.fxo.1.ring_cadence_limit=300
set ._advanced.pots.fxo.1.ring_cadence_threshold=240
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.7.4   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 3.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.7.5   Time zone offset

```
set .ntp.local_offset="-0400"
```

1.8   France (Country code 33)

1.8.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 440 Hz Continuous
; stuttered dial = 440 Hz 0.05 on, 1.0 off [not defined]
; busy          = 440 Hz 0.5 on, 0.5 off
; ringback      = 440 Hz 1.5 on, 3.5 off
; fastbusy      = use 440 Hz 0.4 on, 0.35 off, 0.225 on, 0.525 off [not defined]
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=440
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=France_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=440
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=France_stutter_dialtone
set .tones.def.2.off_time=1000
set .tones.def.2.on_time=50
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=440
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=France_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
;
cp   .tones.def.4
```

```
set .tones.def.4.amp1=5000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=440
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=France_fastbusy
set .tones.def.4.off_time=400
set .tones.def.4.on_time=400
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=440
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=France_ringing
set .tones.def.5.off_time=3500
set .tones.def.5.on_time=1500
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=France_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=France_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=France_dial_seq
set .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=France_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=France_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=France_fastbusy_seq
set .tones.seq.4.repeat=1
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=750
set .tones.seq.4.tone.1.play_tone=4
cp  .tones.seq.4.tone.2
set .tones.seq.4.tone.2.duration=225
set .tones.seq.4.tone.2.play_tone=4
cp  .tones.seq.4.tone.3
set .tones.seq.4.tone.3.duration=525
set .tones.seq.4.tone.3.play_tone=162
;
cp  .tones.seq.5
set .tones.seq.5.name=France_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=France_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=France_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.8.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.5 on, 3.5 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_France
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1500
set ._advanced.pots.ring.1.ring1_off=3500
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
```

```
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.8.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.5 on, 3.5 off
set ._advanced.pots.fxo.1.ring_cadence_delta=15
set ._advanced.pots.fxo.1.ring_cadence_limit=350
set ._advanced.pots.fxo.1.ring_cadence_threshold=280
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.8.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.5 on, 3.5 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3500
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1500
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.8.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.9   India   (Country code 91)

1.9.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial         = 400 Hz * 25 HZ (= 375 Hz + 425 Hz) Continuous
; stuttered dial = 400 Hz * 25 HZ (= 375 Hz + 425 Hz) 0.05 on, 1.0 off
; busy         = 400 Hz 0.75 on, 0.75 off
; ringback     = 400 Hz * 25 HZ (= 375 Hz + 425 Hz) 0.4 on, 0.2 off, 0.4 on, 2.6 off
; fastbusy     = use second version of busy 400 Hz 0.6 on, 0.6 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=6000
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=375
set .tones.def.1.freq2=425
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Indian_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=6000
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=375
set .tones.def.2.freq2=425
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Indian_stutter_dialtone
set .tones.def.2.off_time=1000
set .tones.def.2.on_time=50
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=400
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Indian_busy
set .tones.def.3.off_time=750
set .tones.def.3.on_time=750
set .tones.def.3.repeat=1
;
cp   .tones.def.4
```

Country tone definitions   © 2005-2007 VegaStream Ltd.

```
set .tones.def.4.amp1=5000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=400
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Indian_fastbusy
set .tones.def.4.off_time=600
set .tones.def.4.on_time=600
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=5000
set .tones.def.5.amp2=5000
set .tones.def.5.amp3=0
set .tones.def.5.amp4=0
set .tones.def.5.freq1=375
set .tones.def.5.freq2=425
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Indian_ringing_tone
set .tones.def.5.off_time=2600
set .tones.def.5.on_time=400
set .tones.def.5.repeat=0
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Indian_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Indian_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Indian_dial_seq
set .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Indian_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Indian_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Indian_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Indian_ringback_seq
set .tones.seq.5.repeat=1
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=600
set .tones.seq.5.tone.1.play_tone=5
cp  .tones.seq.5.tone.2
set .tones.seq.5.tone.2.duration=3000
set .tones.seq.5.tone.2.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Indian_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Indian_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.9.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.6 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_India
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2600
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.9.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.6 off
set ._advanced.pots.fxo.1.ring_cadence_delta=41

set ._advanced.pots.fxo.1.ring_cadence_limit=260

set ._advanced.pots.fxo.1.ring_cadence_threshold=208
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.9.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.6 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2600

set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.9.5 Time zone offset

```
set .ntp.local_offset="0530"
```

1.10 Italy   (Country code 39)

1.10.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ 0.6 on, 1.0 off, 0.2 on, 0.2 off
; stuttered dial = 425 Hz 0.05 on, 1.0 off
; busy          = 425 Hz 0.2 on, 0.2 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use faster version of busy 425 Hz 0.1 on, 0.1 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Italy_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Italy_stutter_dialtone
set .tones.def.2.off_time=1000
set .tones.def.2.on_time=50
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Italy_busy
set .tones.def.3.off_time=200
set .tones.def.3.on_time=200
set .tones.def.3.repeat=1
;
```

```
cp   .tones.def.4
set  .tones.def.4.amp1=6000
set  .tones.def.4.amp2=0
set  .tones.def.4.amp3=0
set  .tones.def.4.amp4=0
set  .tones.def.4.freq1=425
set  .tones.def.4.freq2=0
set  .tones.def.4.freq3=0
set  .tones.def.4.freq4=0
set  .tones.def.4.name=Italy_fastbusy
set  .tones.def.4.off_time=100
set  .tones.def.4.on_time=100
set  .tones.def.4.repeat=1
;
cp   .tones.def.5
set  .tones.def.5.amp1=6000
set  .tones.def.5.amp2=0
set  .tones.def.5.amp2=0
set  .tones.def.5.amp3=0
set  .tones.def.5.freq1=425
set  .tones.def.5.freq2=0
set  .tones.def.5.freq3=0
set  .tones.def.5.freq4=0
set  .tones.def.5.name=Italy_ringing
set  .tones.def.5.off_time=4000
set  .tones.def.5.on_time=1000
set  .tones.def.5.repeat=1
;
cp   .tones.def.6
set  .tones.def.6.amp1=32000
set  .tones.def.6.amp2=32000
set  .tones.def.6.amp3=32000
set  .tones.def.6.amp4=32000
set  .tones.def.6.freq1=1400
set  .tones.def.6.freq2=2060
set  .tones.def.6.freq3=2450
set  .tones.def.6.freq4=2600
set  .tones.def.6.name=Italy_offhook_warning
set  .tones.def.6.off_time=100
set  .tones.def.6.on_time=100
set  .tones.def.6.repeat=1
;
cp   .tones.def.7
set  .tones.def.7.amp1=5000
set  .tones.def.7.amp2=0
set  .tones.def.7.amp3=0
set  .tones.def.7.amp4=0
set  .tones.def.7.freq1=440
set  .tones.def.7.freq2=0
set  .tones.def.7.freq3=0
set  .tones.def.7.freq4=0
set  .tones.def.7.name=Italy_callwait
set  .tones.def.7.off_time=50
set  .tones.def.7.on_time=300
set  .tones.def.7.repeat=0
;
purge .tones.seq
cp   .tones.seq.1
set  .tones.seq.1.name=Italy_dial_seq
; (no howler after 600000)
set  .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp   .tones.seq.1.tone.1
set  .tones.seq.1.tone.1.duration=600
set  .tones.seq.1.tone.1.play_tone=1
cp   .tones.seq.1.tone.2
set  .tones.seq.1.tone.2.duration=1000
set  .tones.seq.1.tone.2.play_tone=162
cp   .tones.seq.1.tone.3
set  .tones.seq.1.tone.3.duration=200
set  .tones.seq.1.tone.3.play_tone=1
```

```
cp  .tones.seq.1.tone.4
set .tones.seq.1.tone.4.duration=200
set .tones.seq.1.tone.4.play_tone=162
;
cp  .tones.seq.2
set .tones.seq.2.name=Italy_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=600000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=0
set .tones.seq.2.tone.2.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Italy_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Italy_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Italy_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Italy_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Italy_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.10.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Italy
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
```

```
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.10.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27

set ._advanced.pots.fxo.1.ring_cadence_limit=400

set ._advanced.pots.fxo.1.ring_cadence_threshold=320

;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.10.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000

set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000

;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.10.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="0100"
```

1.11 Mexico (Country code 52)

1.11.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.05 on, 1.0 off    [undefined]
; busy          = 425 Hz 0.25 on, 0.25 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use faster version of busy 425 Hz 0.1 on, 0.1 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Mexico_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Mexico_stutter_dialtone
set .tones.def.2.off_time=1000
set .tones.def.2.on_time=50
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Mexico_busy
set .tones.def.3.off_time=250
set .tones.def.3.on_time=250
set .tones.def.3.repeat=1
;
```

```
cp   .tones.def.4
set  .tones.def.4.amp1=6000
set  .tones.def.4.amp2=0
set  .tones.def.4.amp3=0
set  .tones.def.4.amp4=0
set  .tones.def.4.freq1=425
set  .tones.def.4.freq2=0
set  .tones.def.4.freq3=0
set  .tones.def.4.freq4=0
set  .tones.def.4.name=Mexico_fastbusy
set  .tones.def.4.off_time=100
set  .tones.def.4.on_time=100
set  .tones.def.4.repeat=1
;
cp   .tones.def.5
set  .tones.def.5.amp1=6000
set  .tones.def.5.amp2=0
set  .tones.def.5.amp2=0
set  .tones.def.5.amp3=0
set  .tones.def.5.freq1=425
set  .tones.def.5.freq2=0
set  .tones.def.5.freq3=0
set  .tones.def.5.freq4=0
set  .tones.def.5.name=Mexico_ringing
set  .tones.def.5.off_time=4000
set  .tones.def.5.on_time=1000
set  .tones.def.5.repeat=1
;
cp   .tones.def.6
set  .tones.def.6.amp1=32000
set  .tones.def.6.amp2=32000
set  .tones.def.6.amp3=32000
set  .tones.def.6.amp4=32000
set  .tones.def.6.freq1=1400
set  .tones.def.6.freq2=2060
set  .tones.def.6.freq3=2450
set  .tones.def.6.freq4=2600
set  .tones.def.6.name=Mexico_offhook_warning
set  .tones.def.6.off_time=100
set  .tones.def.6.on_time=100
set  .tones.def.6.repeat=1
;
cp .tones.def.7
set  .tones.def.7.amp1=5000
set  .tones.def.7.amp2=0
set  .tones.def.7.amp3=0
set  .tones.def.7.amp4=0
set  .tones.def.7.freq1=440
set  .tones.def.7.freq2=0
set  .tones.def.7.freq3=0
set  .tones.def.7.freq4=0
set  .tones.def.7.name=Mexico_callwait
set  .tones.def.7.off_time=50
set  .tones.def.7.on_time=300
set  .tones.def.7.repeat=0
;
purge .tones.seq
cp   .tones.seq.1
set  .tones.seq.1.name=dial_seq
set  .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp   .tones.seq.1.tone.1
set  .tones.seq.1.tone.1.duration=600000
set  .tones.seq.1.tone.1.play_tone=1
cp   .tones.seq.1.tone.2
set  .tones.seq.1.tone.2.duration=0
set  .tones.seq.1.tone.2.play_tone=6
;
cp   .tones.seq.2
set  .tones.seq.2.name=Mexico_stutter_dial_seq
set  .tones.seq.2.repeat=0
```

```
purge .tones.seq.2.tone
cp   .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set .tones.seq.3.name=Mexico_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set .tones.seq.4.name=Mexico_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp   .tones.seq.5
set .tones.seq.5.name=Mexico_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp   .tones.seq.6
set .tones.seq.6.name=Mexico_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set .tones.seq.7.name=Mexico_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp .
```

1.11.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Mexico
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.11.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.11.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.11.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="-0500"
set .ntp.local_offset="-0600"
set .ntp.local_offset="-0700"
```

1.12 Netherlands   (Country code 31)

1.12.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.5 on, 0.05 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use busy with 300ms on/off 425 Hz 0.3 on, 0.3 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=NL_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=NL_stutter_dialtone
set .tones.def.2.off_time=50
set .tones.def.2.on_time=500
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=NL_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
;
cp  .tones.def.4
```

```
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=NL_fastbusy
set .tones.def.4.off_time=300
set .tones.def.4.on_time=300
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=NL_ringing
set .tones.def.5.off_time=4000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=NL_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=NL_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=NL_dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=NL_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
```

```
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=NL_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=NL_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=NL_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=NL_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=NL_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.12.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Netherlands
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.12.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.12.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.12.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.13 Russia (Country code 7)

1.13.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous  [not defined]
; stuttered dial = 425 Hz 1.0 on, 0.25 off [not defined]
; busy          = 425 Hz 0.4 on, 0.4 off
; ringback      = 425 Hz 0.8 on, 3.2 off
; fastbusy      = use congestion 425 Hz 0.167 on, 0.167 off [not defined]
; call waiting tone coded as Vega defaults
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Russia_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Russia_stutter_dialtone
set .tones.def.2.off_time=250
set .tones.def.2.on_time=1000
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Russia_busy
set .tones.def.3.off_time=400
set .tones.def.3.on_time=400
set .tones.def.3.repeat=1
;
cp  .tones.def.4
set .tones.def.4.amp1=6000
```

```
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Russia_fastbusy
set .tones.def.4.off_time=167
set .tones.def.4.on_time=167
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Russia_ringing
set .tones.def.5.off_time=3200
set .tones.def.5.on_time=800
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Russia_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Russia_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Russia_stutter_dial_seq
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
```

```
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Russia_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Russia_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Russia_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Russia_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Russia_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp  .
```

1.13.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 0.8 on, 3.2 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Russia
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=800
set ._advanced.pots.ring.1.ring1_off=3200
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.13.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.8 on, 3.2 off
;
;Values to be defined
;set ._advanced.pots.fxo.1.ring_cadence_delta=
;set ._advanced.pots.fxo.1.ring_cadence_limit=
;set ._advanced.pots.fxo.1.ring_cadence_threshold=
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.13.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.8 on, 3.2 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.13.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="0200"
set .ntp.local_offset="0300"
set .ntp.local_offset="0400"
set .ntp.local_offset="0500"
set .ntp.local_offset="0600"
set .ntp.local_offset="0700"
set .ntp.local_offset="0800"
set .ntp.local_offset="0900"
set .ntp.local_offset="1000"
set .ntp.local_offset="1100"
set .ntp.local_offset="1200"
```

1.14 Spain   (Country code 39)

1.14.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 Hz Continuous
; stuttered dial = 425 Hz 1.0 on, 0.1 off
; busy          = 425 Hz 0.2 on, 0.2 off
; ringback      = 425 Hz 1.5 on, 3.0 off
; fastbusy      = use congestion 425 Hz 0.2 on, 0.2 off, 0.2 on, 0.2 off 0.2 on, 0.6 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp   .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Spain_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp   .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Spain_stutter_dialtone
set .tones.def.2.off_time=100
set .tones.def.2.on_time=1000
set .tones.def.2.repeat=1
;
cp   .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Spain_busy
set .tones.def.3.off_time=200
set .tones.def.3.on_time=200
set .tones.def.3.repeat=1
;
```

```
cp   .tones.def.4
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=425
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Spain_fastbusy
set .tones.def.4.off_time=200
set .tones.def.4.on_time=600
set .tones.def.4.repeat=1
;
cp   .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Spain_ringing
set .tones.def.5.off_time=3000
set .tones.def.5.on_time=1500
set .tones.def.5.repeat=1
;
cp   .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Spain_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Spain_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp   .tones.seq.1
set .tones.seq.1.name=Spain_dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp   .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp   .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp   .tones.seq.2
set .tones.seq.2.name=Spain_stutter_dial_seq
set .tones.seq.2.repeat=0
```

```
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Spain_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Spain_fastbusy_seq
set .tones.seq.4.repeat=1
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=800
set .tones.seq.4.tone.1.play_tone=3
cp  .tones.seq.4.tone.2
set .tones.seq.4.tone.2.duration=800
set .tones.seq.4.tone.2.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Spain_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Spain_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Spain_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp .
```

1.14.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 1.5 on, 3.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Spain
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1500
set ._advanced.pots.ring.1.ring1_off=3000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.14.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.5 on, 3.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=13
set ._advanced.pots.fxo.1.ring_cadence_limit=300
set ._advanced.pots.fxo.1.ring_cadence_threshold=240
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.14.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.5 on, 3.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1500
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.14.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.15 Sweden (Country code 46)

1.15.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.32 on, 0.01 off
; busy          = 425 Hz 0.25 on, 0.25 off
; ringback       = 425 Hz 1.0 on, 5.0 off
; fastbusy       = use congestion tone 400 Hz 0.25 on, 0.75 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;

set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=0
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=425
set .tones.def.1.freq2=0
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=Sweden_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=0
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=425
set .tones.def.2.freq2=0
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=Sweden_stutter_dialtone
set .tones.def.2.off_time=10
set .tones.def.2.on_time=320
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=6000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=425
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=Sweden_busy
set .tones.def.3.off_time=250
set .tones.def.3.on_time=250
set .tones.def.3.repeat=1
```

```
;
cp  .tones.def.4
set .tones.def.4.amp1=6000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=400
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=Sweden_fastbusy
set .tones.def.4.off_time=750
set .tones.def.4.on_time=250
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=6000
set .tones.def.5.amp2=0
set .tones.def.5.amp2=0
set .tones.def.5.amp3=0
set .tones.def.5.freq1=425
set .tones.def.5.freq2=0
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=Sweden_ringing
set .tones.def.5.off_time=5000
set .tones.def.5.on_time=1000
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=Sweden_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=Sweden_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=Sweden_dial_seq
set .tones.seq.1.repeat=1
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=Sweden_stutter_dial_seq
```

```
set .tones.seq.2.repeat=0
purge .tones.seq.2.tone
cp  .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp  .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp  .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp  .tones.seq.3
set .tones.seq.3.name=Sweden_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp  .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp  .tones.seq.4
set .tones.seq.4.name=Sweden_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp  .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp  .tones.seq.5
set .tones.seq.5.name=Sweden_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp  .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp  .tones.seq.6
set .tones.seq.6.name=Sweden_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp  .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp  .tones.seq.7
set .tones.seq.7.name=Sweden_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp  .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp  .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp  .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp  .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp  .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp .
```

1.15.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 1.0 on, 5.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Sweden
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=5000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
```

Country tone definitions   © 2005-2007 VegaStream Ltd.

```
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.15.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=33
set ._advanced.pots.fxo.1.ring_cadence_limit=500
set ._advanced.pots.fxo.1.ring_cadence_threshold=400
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.15.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=5000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.15.5 Time zone offset

```
set .ntp.local_offset="0100"
```

1.16 UK   (Country code 44)

1.16.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 350 Hz + 440 Hz Continuous
; stuttered dial = 350 Hz + 440 Hz 0.75 on, 0.75 off
; busy          = 400 Hz 0.375 on, 0.375 off
; ringback      = 400 Hz + 450 Hz 0.4 on, 0.2 off, 0.4 on, 2.0 off
; fastbusy      = use congestion 400 Hz 0.4 on, 0.35 off, 0.225 on, 0.525 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=6000
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=350
set .tones.def.1.freq2=440
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=UK_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=6000
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=350
set .tones.def.2.freq2=440
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=UK_stutter_dialtone
set .tones.def.2.off_time=750
set .tones.def.2.on_time=750
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=0
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=400
set .tones.def.3.freq2=0
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=UK_busy
set .tones.def.3.off_time=375
set .tones.def.3.on_time=375
set .tones.def.3.repeat=1
;
```

```
cp  .tones.def.4
set .tones.def.4.amp1=5000
set .tones.def.4.amp2=0
set .tones.def.4.amp3=0
set .tones.def.4.amp4=0
set .tones.def.4.freq1=400
set .tones.def.4.freq2=0
set .tones.def.4.freq3=0
set .tones.def.4.freq4=0
set .tones.def.4.name=UK_fastbusy
set .tones.def.4.off_time=400
set .tones.def.4.on_time=400
set .tones.def.4.repeat=1
;
cp  .tones.def.5
set .tones.def.5.amp1=5000
set .tones.def.5.amp2=5000
set .tones.def.5.amp3=0
set .tones.def.5.amp4=0
set .tones.def.5.freq1=400
set .tones.def.5.freq2=450
set .tones.def.5.freq3=0
set .tones.def.5.freq4=0
set .tones.def.5.name=UK_ringing_tone
set .tones.def.5.off_time=2100
set .tones.def.5.on_time=400
set .tones.def.5.repeat=1
;
cp  .tones.def.6
set .tones.def.6.amp1=32000
set .tones.def.6.amp2=32000
set .tones.def.6.amp3=32000
set .tones.def.6.amp4=32000
set .tones.def.6.freq1=1400
set .tones.def.6.freq2=2060
set .tones.def.6.freq3=2450
set .tones.def.6.freq4=2600
set .tones.def.6.name=UK_offhook_warning
set .tones.def.6.off_time=100
set .tones.def.6.on_time=100
set .tones.def.6.repeat=1
;
cp .tones.def.7
set .tones.def.7.amp1=5000
set .tones.def.7.amp2=0
set .tones.def.7.amp3=0
set .tones.def.7.amp4=0
set .tones.def.7.freq1=440
set .tones.def.7.freq2=0
set .tones.def.7.freq3=0
set .tones.def.7.freq4=0
set .tones.def.7.name=UK_callwait
set .tones.def.7.off_time=50
set .tones.def.7.on_time=300
set .tones.def.7.repeat=0
;
purge .tones.seq
cp  .tones.seq.1
set .tones.seq.1.name=UK_dial_seq
set .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp  .tones.seq.1.tone.1
set .tones.seq.1.tone.1.duration=600000
set .tones.seq.1.tone.1.play_tone=1
cp  .tones.seq.1.tone.2
set .tones.seq.1.tone.2.duration=0
set .tones.seq.1.tone.2.play_tone=6
;
cp  .tones.seq.2
set .tones.seq.2.name=UK_stutter_dial_seq
set .tones.seq.2.repeat=0
```

```
purge .tones.seq.2.tone
cp   .tones.seq.2.tone.1
set  .tones.seq.2.tone.1.duration=2000
set  .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set  .tones.seq.2.tone.2.duration=598000
set  .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set  .tones.seq.2.tone.3.duration=0
set  .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set  .tones.seq.3.name=UK_busy_seq
set  .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set  .tones.seq.3.tone.1.duration=0
set  .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set  .tones.seq.4.name=UK_fastbusy_seq
set  .tones.seq.4.repeat=1
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set  .tones.seq.4.tone.1.duration=750
set  .tones.seq.4.tone.1.play_tone=4
cp   .tones.seq.4.tone.2
set  .tones.seq.4.tone.2.duration=225
set  .tones.seq.4.tone.2.play_tone=4
cp   .tones.seq.4.tone.3
set  .tones.seq.4.tone.3.duration=525
set  .tones.seq.4.tone.3.play_tone=162
;
cp   .tones.seq.5
set  .tones.seq.5.name=UK_ringback_seq
set  .tones.seq.5.repeat=1
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set  .tones.seq.5.tone.1.duration=600
set  .tones.seq.5.tone.1.play_tone=5
cp   .tones.seq.5.tone.2
set  .tones.seq.5.tone.2.duration=2400
set  .tones.seq.5.tone.2.play_tone=5
;
cp   .tones.seq.6
set  .tones.seq.6.name=UK_callwait1_seq
set  .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set  .tones.seq.6.tone.1.duration=350
set  .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set  .tones.seq.7.name=UK_callwait2_seq
set  .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set  .tones.seq.7.tone.1.duration=150
set  .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set  .tones.seq.7.tone.2.duration=150
set  .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set  .tones.seq.7.tone.3.duration=150
set  .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set  .tones.seq.7.tone.4.duration=150
set  .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set  .tones.seq.7.tone.5.duration=300
set  .tones.seq.7.tone.5.play_tone=7
```

```
;
;
cp   .
```

1.16.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_UK
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
```

```
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.16.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=31
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.16.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

1.16.5 Time zone offset

```
set .ntp.local_offset="0000"
```

1.17 USA   (Country code 1)

1.17.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 350 Hz + 440 Hz Continuous
; stuttered dial = 350 Hz + 440 Hz 3* (0.1 on, 0.1 off) then continuous
; busy          = 480 Hz + 620 Hz 0.5 on, 0.5 off
; ringback      = 440 Hz + 480 Hz 2.0 on, 4.0 off
; fastbusy      (congestion 480 Hz + 620 Hz 0.25 on, 0.25 off)
; fastbusy      = leave as Vega default … 480 Hz + 620 Hz 0.3 on, 0.3 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
set .tones.dialtone_seq=1
set .tones.stutterd_seq=2
set .tones.busytone_seq=3
set .tones.fastbusy_seq=4
set .tones.ringback_seq=5
set .tones.callwait1_seq=6
set .tones.callwait2_seq=7
;
purge .tones.def
cp  .tones.def.1
set .tones.def.1.amp1=6000
set .tones.def.1.amp2=6000
set .tones.def.1.amp3=0
set .tones.def.1.amp4=0
set .tones.def.1.freq1=350
set .tones.def.1.freq2=440
set .tones.def.1.freq3=0
set .tones.def.1.freq4=0
set .tones.def.1.name=USA_dialtone
set .tones.def.1.off_time=0
set .tones.def.1.on_time=0
set .tones.def.1.repeat=1
;
cp  .tones.def.2
set .tones.def.2.amp1=6000
set .tones.def.2.amp2=6000
set .tones.def.2.amp3=0
set .tones.def.2.amp4=0
set .tones.def.2.freq1=350
set .tones.def.2.freq2=440
set .tones.def.2.freq3=0
set .tones.def.2.freq4=0
set .tones.def.2.name=USA_stutter_dialtone
set .tones.def.2.off_time=100
set .tones.def.2.on_time=100
set .tones.def.2.repeat=1
;
cp  .tones.def.3
set .tones.def.3.amp1=5000
set .tones.def.3.amp2=5000
set .tones.def.3.amp3=0
set .tones.def.3.amp4=0
set .tones.def.3.freq1=480
set .tones.def.3.freq2=620
set .tones.def.3.freq3=0
set .tones.def.3.freq4=0
set .tones.def.3.name=USA_busy
set .tones.def.3.off_time=500
set .tones.def.3.on_time=500
set .tones.def.3.repeat=1
;
```

```
cp   .tones.def.4
set  .tones.def.4.amp1=5000
set  .tones.def.4.amp2=5000
set  .tones.def.4.amp3=0
set  .tones.def.4.amp4=0
set  .tones.def.4.freq1=480
set  .tones.def.4.freq2=620
set  .tones.def.4.freq3=0
set  .tones.def.4.freq4=0
set  .tones.def.4.name=USA_fastbusy
set  .tones.def.4.off_time=300
set  .tones.def.4.on_time=300
set  .tones.def.4.repeat=1
;
cp   .tones.def.5
set  .tones.def.5.amp1=5000
set  .tones.def.5.amp2=5000
set  .tones.def.5.amp3=0
set  .tones.def.5.amp4=0
set  .tones.def.5.freq1=480
set  .tones.def.5.freq2=440
set  .tones.def.5.freq3=0
set  .tones.def.5.freq4=0
set  .tones.def.5.name=USA_ringing
set  .tones.def.5.off_time=4000
set  .tones.def.5.on_time=2000
set  .tones.def.5.repeat=1
;
cp   .tones.def.6
set  .tones.def.6.amp1=32000
set  .tones.def.6.amp2=32000
set  .tones.def.6.amp3=32000
set  .tones.def.6.amp4=32000
set  .tones.def.6.freq1=1400
set  .tones.def.6.freq2=2060
set  .tones.def.6.freq3=2450
set  .tones.def.6.freq4=2600
set  .tones.def.6.name=USA_offhook_warning
set  .tones.def.6.off_time=100
set  .tones.def.6.on_time=100
set  .tones.def.6.repeat=1
;
cp  .tones.def.7
set  .tones.def.7.amp1=5000
set  .tones.def.7.amp2=0
set  .tones.def.7.amp3=0
set  .tones.def.7.amp4=0
set  .tones.def.7.freq1=440
set  .tones.def.7.freq2=0
set  .tones.def.7.freq3=0
set  .tones.def.7.freq4=0
set  .tones.def.7.name=USA_callwait
set  .tones.def.7.off_time=50
set  .tones.def.7.on_time=300
set  .tones.def.7.repeat=0
;
purge .tones.seq
cp   .tones.seq.1
set  .tones.seq.1.name=USA_dial_seq
set  .tones.seq.1.repeat=0
purge .tones.seq.1.tone
cp   .tones.seq.1.tone.1
set  .tones.seq.1.tone.1.duration=600000
set  .tones.seq.1.tone.1.play_tone=1
cp   .tones.seq.1.tone.2
set  .tones.seq.1.tone.2.duration=0
set  .tones.seq.1.tone.2.play_tone=6
;
cp   .tones.seq.2
set  .tones.seq.2.name=USA_stutter_dial_seq
set  .tones.seq.2.repeat=0
```

```
purge .tones.seq.2.tone
cp   .tones.seq.2.tone.1
set .tones.seq.2.tone.1.duration=2000
set .tones.seq.2.tone.1.play_tone=2
cp   .tones.seq.2.tone.2
set .tones.seq.2.tone.2.duration=598000
set .tones.seq.2.tone.2.play_tone=1
cp   .tones.seq.2.tone.3
set .tones.seq.2.tone.3.duration=0
set .tones.seq.2.tone.3.play_tone=6
;
cp   .tones.seq.3
set .tones.seq.3.name=USA_busy_seq
set .tones.seq.3.repeat=0
purge .tones.seq.3.tone
cp   .tones.seq.3.tone.1
set .tones.seq.3.tone.1.duration=0
set .tones.seq.3.tone.1.play_tone=3
;
cp   .tones.seq.4
set .tones.seq.4.name=USA_fastbusy_seq
set .tones.seq.4.repeat=0
purge .tones.seq.4.tone
cp   .tones.seq.4.tone.1
set .tones.seq.4.tone.1.duration=0
set .tones.seq.4.tone.1.play_tone=4
;
cp   .tones.seq.5
set .tones.seq.5.name=USA_ringing_seq
set .tones.seq.5.repeat=0
purge .tones.seq.5.tone
cp   .tones.seq.5.tone.1
set .tones.seq.5.tone.1.duration=0
set .tones.seq.5.tone.1.play_tone=5
;
cp   .tones.seq.6
set .tones.seq.6.name=USA_callwait1_seq
set .tones.seq.6.repeat=0
purge .tones.seq.6.tone
cp   .tones.seq.6.tone.1
set .tones.seq.6.tone.1.duration=350
set .tones.seq.6.tone.1.play_tone=7
;
cp   .tones.seq.7
set .tones.seq.7.name=USA_callwait2_seq
set .tones.seq.7.repeat=0
purge .tones.seq.7.tone
cp   .tones.seq.7.tone.1
set .tones.seq.7.tone.1.duration=150
set .tones.seq.7.tone.1.play_tone=7
cp   .tones.seq.7.tone.2
set .tones.seq.7.tone.2.duration=150
set .tones.seq.7.tone.2.play_tone=162
cp   .tones.seq.7.tone.3
set .tones.seq.7.tone.3.duration=150
set .tones.seq.7.tone.3.play_tone=7
cp   .tones.seq.7.tone.4
set .tones.seq.7.tone.4.duration=150
set .tones.seq.7.tone.4.play_tone=162
cp   .tones.seq.7.tone.5
set .tones.seq.7.tone.5.duration=300
set .tones.seq.7.tone.5.play_tone=7
;
;
cp .
```

1.17.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 2.0 on, 4.0 off
;

purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_USA
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=2000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
```

```
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

1.17.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing        = 2.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=13
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.17.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing        = 2.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=2000
;
set ._advanced.pots.fxo.1.impedance=600R
```

1.17.5 Time zone offset

```
; time zone depends upon area in the country
set .ntp.local_offset="-0500"
set .ntp.local_offset="-0600"
set .ntp.local_offset="-0700"
set .ntp.local_offset="-0800"
```

2. Tone requirements and CLI commands to configure Vega

2.1   China   (Country code 86)

2.1.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial           = 450 HZ Continuous
; stuttered dial = 450 Hz 0.4 on, 4.0 off
; busy           = 450 Hz 0.35 on, 0.35 off
; ringback       = 425 Hz 1.0 on, 4.0 off
; fastbusy       = use congestion 450 Hz 0.7 on, 0.7 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.1.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_China
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
```

```
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.1.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing     = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.1.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing     = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.1.5 Time zone offset

```
set .ntp.local_offset="0800"
```

2.2   Costa Rica   (Country code 506)

2.2.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.05 on, 1.0 off      [undefined]
; busy          = 425 Hz 0.3 on, 0.3 off
; ringback      = 425 Hz 1.2 on, 4.6 off
; fastbusy      = use faster version of busy 425 Hz 0.1 on, 0.1 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.2.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.2 on, 4.6 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Costa_Rica
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1200
set ._advanced.pots.ring.1.ring1_off=4600
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.2.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.2 on, 4.6 off
set ._advanced.pots.fxo.1.ring_cadence_delta=25
set ._advanced.pots.fxo.1.ring_cadence_limit=460
set ._advanced.pots.fxo.1.ring_cadence_threshold=368
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.2.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.2 on, 4.6 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4600
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1200
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.2.5   Time zone offset

```
set .ntp.local_offset="-0600"
```

2.3 Czech Republic   (Country code 420)

2.3.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.33 on, 5.0 off
; busy          = 425 Hz 0.333 on, 0.333 off
; ringback       = 425 Hz 1.0 on, 4.0 off
; fastbusy       = use congestion 425 Hz 0.05 on, 0.05 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.3.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Czech_Republic
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.3.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
; Country specific impedance, use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.3.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
; Country specific impedance, use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.3.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.4   Denmark   (Country code 45)

2.4.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.05 on, 1.0 off [undefined]
; busy          = 425 Hz 0.25 on, 0.25 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion 425 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.4.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Denmark
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

Country tone definitions

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.4.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.4.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.4.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.5 Finland (Country code 358)

2.5.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.65 on, 0.025 off
; busy          = 425 Hz 0.3 on, 0.3 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion 425 Hz 0.2 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.5.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing      = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Finland
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
```

```
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.5.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.5.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.5.5   Time zone offset

```
set .ntp.local_offset="0200"
```

2.6   Germany   (Country code 49)

2.6.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.2 on, 0.2 off, 0.2 on, 5.0 off
; busy          = 425 Hz 0.48 on, 0.48 off
; ringback      = 425 Hz 1 * (0.25 on, 4.0 off) 1.0 on, 4.0 off
; fastbusy      = use congestion 425 Hz 0.24 on, 0.24 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.6.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Germany
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
```

```
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.6.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.6.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.6.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.7   Hong Kong   (Country code 852)

2.7.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 350 Hz + 440 HZ Continuous
; stuttered dial = 350 Hz + 440 Hz 3 * (0.1 on, 0.1 off) then continuous
; busy          = 480 Hz + 620 Hz 0.5 on, 0.5 off
; ringback      = 440 Hz + 480 Hz 0.4 on, 0.2 off, 0.4 on, 3.0 off
; fastbusy      = use congestion 480 Hz + 620 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.7.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 3.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Hong_Kong
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=3000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.7.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 0.4 on, 0.2 off, 0.4 on, 3.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=47
set ._advanced.pots.fxo.1.ring_cadence_limit=300
set ._advanced.pots.fxo.1.ring_cadence_threshold=240
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.7.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 0.4 on, 0.2 off, 0.4 on, 3.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.7.5 Time zone offset

```
set .ntp.local_offset="0800"
```

2.8   Hungary   (Country code 36)

2.8.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.3 on, 0.3 off, 0.3 on, 1.5 off
; busy          = 425 Hz 0.3 on, 0.3 off
; ringback      = 425 Hz 1.2 on, 3.7 off
; fastbusy       = use faster version of busy 425 Hz 0.1 on, 0.1 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.8.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.2 on, 3.7 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Hungary
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1200
set ._advanced.pots.ring.1.ring1_off=3700
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.8.3   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing        = 1.2 on, 3.7 off
set ._advanced.pots.fxo.1.ring_cadence_delta=20
set ._advanced.pots.fxo.1.ring_cadence_limit=370
set ._advanced.pots.fxo.1.ring_cadence_threshold=269
;
; Country specific, use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.8.4   Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing        = 1.2 on, 3.7 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=3700
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1200
;
; Country specific, use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.8.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.9 Korea (Country code 82$_{South}$ 850$_{North}$)

2.9.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 330 Hz + 440 HZ Continuous
; stuttered dial = 450 Hz 1.0 on, 4.0 off
; busy          = 480 + 620 Hz 0.5 on, 0.5 off
; ringback      = 440 Hz + 480 Hz 1.0 on, 2.0 off
; fastbusy      = use congestion tone 480 + 620 Hz 0.3 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.9.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Korea
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=2000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.9.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=13
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.9.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.9.5   Time zone offset

```
set .ntp.local_offset="0900"
```

2.10 Malaysia   (Country code 60)

2.10.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.25 on, 0.25 off, 0.25 on, 0.25 off, 2.0 on
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback       = 425 Hz 0.4 on, 0.2 off, 0.4 on, 2.0 off
; fastbusy      = use congestion tone 425 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.10.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Malaysia
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.10.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=31
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.10.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.10.5   Time zone offset

```
set .ntp.local_offset="0800"
```

2.11 New Zealand   (Country code 64)

2.11.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 400 HZ Continuous
; stuttered dial = 400 Hz 0.25 on, 0.25 off, 0.25 on, 3.25 off
; busy          = 400 Hz 0.5 on, 0.5 off
; ringback      = 400 Hz + 450 Hz 0.4 on, 0.2 off, 0.4 on, 2.0 off
; fastbusy      = use congestion tone 400 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.11.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_New_Zealand
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
```

```
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.11.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing        = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=32
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.11.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing        = 0.4 on, 0.2 off, 0.4 on 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.11.5 Time zone offset

```
set .ntp.local_offset="1200"
```

2.12 Norway (Country code 47)

2.12.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous [undefined]
; stuttered dial = 425 Hz 0.5 on, 0.05 off [undefined]
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion tone Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.12.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Norway
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.12.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.12.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.12.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.13 Philippines   (Country code 63)

2.13.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 400 Hz 0.2 on, 0.2 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz + 480 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion tone 480 + 620 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.13.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Philippines
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.13.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.13.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.13.5 Time zone offset

```
set .ntp.local_offset="0800"
```

2.14 Poland (Country code 48)

2.14.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.15 on, 0.15 off, 0.15 on, 4.0 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use faster busy tone 425 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.14.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Poland
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.14.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.14.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.14.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.15 Portugal   (Country code 351)

2.15.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 1.0 on, 0.2 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 5.0 off
; fastbusy      = use congestion tone 425 Hz 0.2 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.15.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 5.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Portugal
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=5000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.15.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=33
set ._advanced.pots.fxo.1.ring_cadence_limit=500
set ._advanced.pots.fxo.1.ring_cadence_threshold=400
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.15.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 5.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=5000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.15.5 Time zone offset

```
set .ntp.local_offset="0000"
```

2.16 Singapore   (Country code 65)

2.16.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.3 on, 0.2 off, 0.3 on, 3.2 off
; busy          = 425 Hz 0.75 on, 0.75 off
; ringback      = 425 Hz * 25 Hz (=375 HZ + 425 Hz) 0.4 on, 0.2 off, 0.4 on, 2.0 off
; fastbusy      = use congestion tone 425 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.16.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Singapore
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
```

```
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.16.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=31
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.16.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.16.5 Time zone offset

```
set .ntp.local_offset="0800"
```

2.17 Slovakia   (Country code 421)

2.17.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 3 * (0.165 on, 0.165 off) 0.66 on, 0.66 off
; busy          = 425 Hz 0.33 on, 0.33 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion tone 425 Hz 0.165 on, 0.165 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.17.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Slovakia
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.17.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.17.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.17.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.18 South Africa   (Country code 27)

2.18.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 400 HZ * 33 HZ (= 367 HZ + 433 HZ) Continuous
; stuttered dial = 400 HZ * 33 HZ (= 367 HZ + 433 HZ) 4 * (0.25 on, 0.25 off) then
continuous
; busy          = 400 Hz 0.5 on, 0.5 off
; ringback       = 400 HZ * 33 HZ (= 367 HZ + 433 HZ) 0.4 on, 0.2 off, 0.4 on, 2.0 off
; fastbusy       = use congestion tone 400 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.18.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_South_Africa
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=400
set ._advanced.pots.ring.1.ring1_off=200
set ._advanced.pots.ring.1.ring2_on=400
set ._advanced.pots.ring.1.ring2_off=2000
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
```

```
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.18.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=31
set ._advanced.pots.fxo.1.ring_cadence_limit=200
set ._advanced.pots.fxo.1.ring_cadence_threshold=160
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.18.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 0.4 on, 0.2 off, 0.4 on, 2.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=2000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=400
;
; Country specific – use CTR21
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.18.5 Time zone offset

```
set .ntp.local_offset="0200"
```

2.19 Switzerland   (Country code 41)

2.19.1   Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.05 on, 1.0 off [not defined]
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion tone 400 Hz 0.2 on, 0.2 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.19.2   Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing        = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Switzerland
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.19.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.19.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=CTR21
```

2.19.5 Time zone offset

```
set .ntp.local_offset="0100"
```

2.20 Thailand   (Country code 66)

2.20.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 400 HZ Continuous
; stuttered dial = 400 Hz 2 * (0.17 on, 0.83 off) 0.51 on, 0.49 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use second tone 400 Hz 0.33 on, 0.33 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.20.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Thailand
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
set .pots.port.19.if.1.ring_index=1
```

```
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.20.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.20.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing       = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.20.5 Time zone offset

```
set .ntp.local_offset="0700"
```

2.21 Uruguay   (Country code 598)

2.21.1 Command Line Interface commands to configure tones – (For all analogue and digital Vega gateways)

```
;
; dial          = 425 HZ Continuous
; stuttered dial = 425 Hz 0.2 on, 0.2 off, 0.2 on, 4.4 off
; busy          = 425 Hz 0.5 on, 0.5 off
; ringback      = 425 Hz 1.0 on, 4.0 off
; fastbusy      = use congestion tone 400 Hz 0.25 on, 0.25 off
; callwait1 - non country specific; as Vega default
; callwait2 – non country specific; as Vega default
;
```

2.21.2 Power ringing configuration – (For analogue Vega gateways supporting FXS ports)

```
; configures power ringing for Vega FXS ports
;
; ringing       = 1.0 on, 4.0 off
;
purge ._advanced.pots.ring
cp ._advanced.pots.ring.1
set ._advanced.pots.ring.1.frequency=50
set ._advanced.pots.ring.1.name=External_Uruguay
set ._advanced.pots.ring.1.repeat=1
set ._advanced.pots.ring.1.ring1_on=1000
set ._advanced.pots.ring.1.ring1_off=4000
set ._advanced.pots.ring.1.ring2_on=0
set ._advanced.pots.ring.1.ring2_off=0
set ._advanced.pots.ring.1.ring3_on=0
set ._advanced.pots.ring.1.ring3_off=0
;
set .pots.port.1.if.1.ring_index=1
set .pots.port.2.if.1.ring_index=1
set .pots.port.3.if.1.ring_index=1
set .pots.port.4.if.1.ring_index=1
set .pots.port.5.if.1.ring_index=1
set .pots.port.6.if.1.ring_index=1
set .pots.port.7.if.1.ring_index=1
set .pots.port.8.if.1.ring_index=1
;
; FXS Ports 9 to 12
;
set .pots.port.9.if.1.ring_index=1
set .pots.port.10.if.1.ring_index=1
set .pots.port.11.if.1.ring_index=1
set .pots.port.12.if.1.ring_index=1
;
; FXS Ports 13 to 16
;
set .pots.port.13.if.1.ring_index=1
set .pots.port.14.if.1.ring_index=1
set .pots.port.15.if.1.ring_index=1
set .pots.port.16.if.1.ring_index=1
;
; FXS Ports 17 to 20
;
set .pots.port.17.if.1.ring_index=1
set .pots.port.18.if.1.ring_index=1
```

```
set .pots.port.19.if.1.ring_index=1
set .pots.port.20.if.1.ring_index=1
;
; FXS Ports 21 to 24
;
set .pots.port.21.if.1.ring_index=1
set .pots.port.22.if.1.ring_index=1
set .pots.port.23.if.1.ring_index=1
set .pots.port.24.if.1.ring_index=1
;
; FXS Ports 25 to 48
;
set .pots.port.25.if.1.ring_index=1
set .pots.port.26.if.1.ring_index=1
set .pots.port.27.if.1.ring_index=1
set .pots.port.28.if.1.ring_index=1
set .pots.port.29.if.1.ring_index=1
set .pots.port.30.if.1.ring_index=1
set .pots.port.31.if.1.ring_index=1
set .pots.port.32.if.1.ring_index=1
set .pots.port.33.if.1.ring_index=1
set .pots.port.34.if.1.ring_index=1
set .pots.port.35.if.1.ring_index=1
set .pots.port.36.if.1.ring_index=1
set .pots.port.37.if.1.ring_index=1
set .pots.port.38.if.1.ring_index=1
set .pots.port.39.if.1.ring_index=1
set .pots.port.40.if.1.ring_index=1
set .pots.port.41.if.1.ring_index=1
set .pots.port.42.if.1.ring_index=1
set .pots.port.43.if.1.ring_index=1
set .pots.port.44.if.1.ring_index=1
set .pots.port.45.if.1.ring_index=1
set .pots.port.46.if.1.ring_index=1
set .pots.port.47.if.1.ring_index=1
set .pots.port.48.if.1.ring_index=1
;
;
cp .
;
;
```

2.21.3 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.4 and before)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_cadence_delta=27
set ._advanced.pots.fxo.1.ring_cadence_limit=400
set ._advanced.pots.fxo.1.ring_cadence_threshold=320
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.21.4 Ring Cadence detection configuration – (For Vega gateways supporting FXO ports … Vega code R7.5 and beyond)

```
; ringing      = 1.0 on, 4.0 off
set ._advanced.pots.fxo.1.ring_detect_longest_ring_off=4000
set ._advanced.pots.fxo.1.ring_detect_shortest_ring_on=1000
;
set ._advanced.pots.fxo.1.impedance=600R
```

2.21.5 Time zone offset

```
set .ntp.local_offset="-0300"
```