

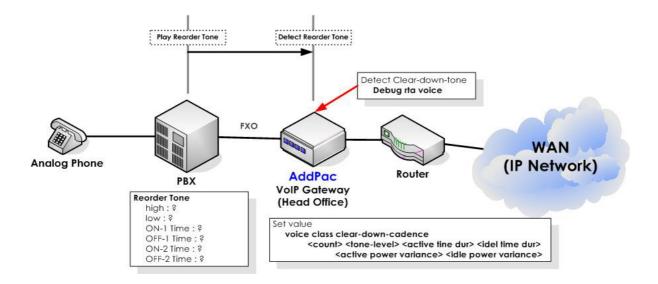
## clear-down-cadence Function

Category	S/W Release Version	Date
General	8.10	June. 2004

When a FXO interface is used between the local PABX and VoIP gateway as shown in Figure 5 and a call is disconnected from local PABX, the FXO interface detects the re-order-tone or clear-down-tone to disconnect the VoIP call. However, if the FXO interface is not able to detect the tone properly, it cannot tranmit the release signal to the remote gateway. That is, the FXO port is busy even though the local user is on-hook. In this case, the clear-down-toen frequency and cardence value of the local PABX should be configured at the gateway. If this setting cannot solve this issue, apply voice class clear-down-cadence command.

This command detects the ON/Off time (cadence) of the clear-down-tone and the enegery level drift, then it forefully clears the port. The ON/OFF points of the tone and voice codec greatly affect the energy level drift, so carefully review this document before using this command.

## **Network Diagram**



[Voice class clear-down-cadence]



Example of analyzing Clear-down-tone cadence and energy level

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(Example (In case of codec = g/231))

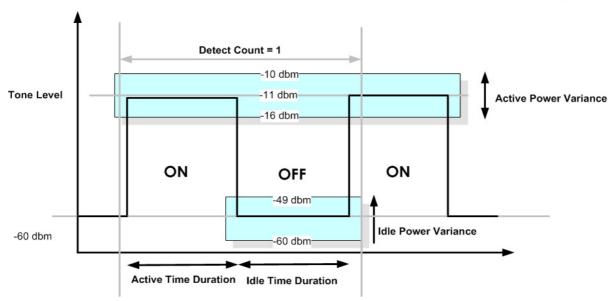
Codec=G711,G729 (10msec * count), G7231 (30msec * count)

# debug rta voice

Make PABX play clear-down-tone by hook-on the phone which connected extension line.

8 18 18 17 17 17 17 18 18 18 18 18 18 18 18 14 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11

11 16 49 58 56 57 54 58 56 53 56 57 56 56 55 57 56 57 55 57 55 56 55 57 55 57 55 58 56 57 55 58 15 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 12 10 12 11 11 11 12 10 12 11 11 11 12 10 12 11 11 11 12 10 12 11 11 11 12 10 12 11 1
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[Clear-down-tone parameter Detection]



## Commands & Syntax

Configuring voice class clear-down-cadence

Step	Command	Remar	k	
1	#	Enter	APOS	Configuration
	# config	Mode.		
2	(config)# voice class clear-down-cadence 1 -11 750 750 5	Detect	Count =	1
		Tone L	evel = -	11
		ActiveT	imeDurati	on=750ms
		Idle Ti	me Durat	ion =750ms
		Active	Power V	ariance = 5
		Idle Pov	wer Variar	nce = 11.

Disable voice class clear-down-cadence

Step	Command	Remark
1	#	Enter APOS Configuration
	# config	Mode.
2	(config)# no voice class clear-down-cadence	Disable voice class clear-
		down-cadence.

Verify voice class clear-down-cadence parameters

# show clear-down-cadence						
count	level	actvTime	idleTime	actvMargin	idleMargin	
1	-11	750	750	5	11	

Default: Disable