# Digit Manipulation, Dial Plans

**show hardware**

**FXS**

**show voice port summary**

dial-peer voice **1** pots

Description FXS Foregin Exchange Service POTS Analog Phone

destination-pattern 5555028

port 0/3/0

**FXO**

**show voice port summary**

voice-port 0/1/0

!description FXO Foregin Exchange Office to PBX

ring number 2

!(answer after 2 rings)

!

!Configure a Dial Peer

Dial-peer voice **2** pots

Destination-pattern 5556…

!Use the command **port** *slot/subunit/port* to associate the FXO port being used with the dial peer number.

Port 0/1/0

Forward-digits all

!7-digit local PSTN dialing with an access code of 9

dial-peer voice **3** pots

destination-pattern 9[2-9]..

port 0/3/1

forward-digits 3

### Number Expansion/Translation

r3(config)#translation-rule 40

Vr3(config-translate)#rule 1 769 381

**Vr3#test translation-rule 40 769**

**The replaced number: 381**

**r3(config)#voice translation-rule 24**

**Vr3(cfg-translation-rule)#rule 1 /\(^...\)754\(....\)/ /\1444\2/**

Matches the middle of a string**\)/ /\1444\2/** and replaces the middle digits of 754 with 444. The \1 in the

Replaced String Value column designates the start of set 1.

**Vr3#test voice translation-rule 24 9197541212**

**Matched with rule 1**

**Original number: 9197541212 Translated number: 9194441212**

### SIP Trunk Example

Vr3(config)#voice translation-rule 5

Vr3(cfg-translation-rule)# rule 1 /^.\*/ /5294496937/

**test voice translation-rule 5 833**

### Show and Debug commands

DEBUG DIAL-PEER

* debug voice dialpeer all
* debug translation detail
* sh dialplan number 99119

### Test calls

csim start 5555028