



NetVanta Unified Communications Technical Note

AudioCodes Test Call Routing

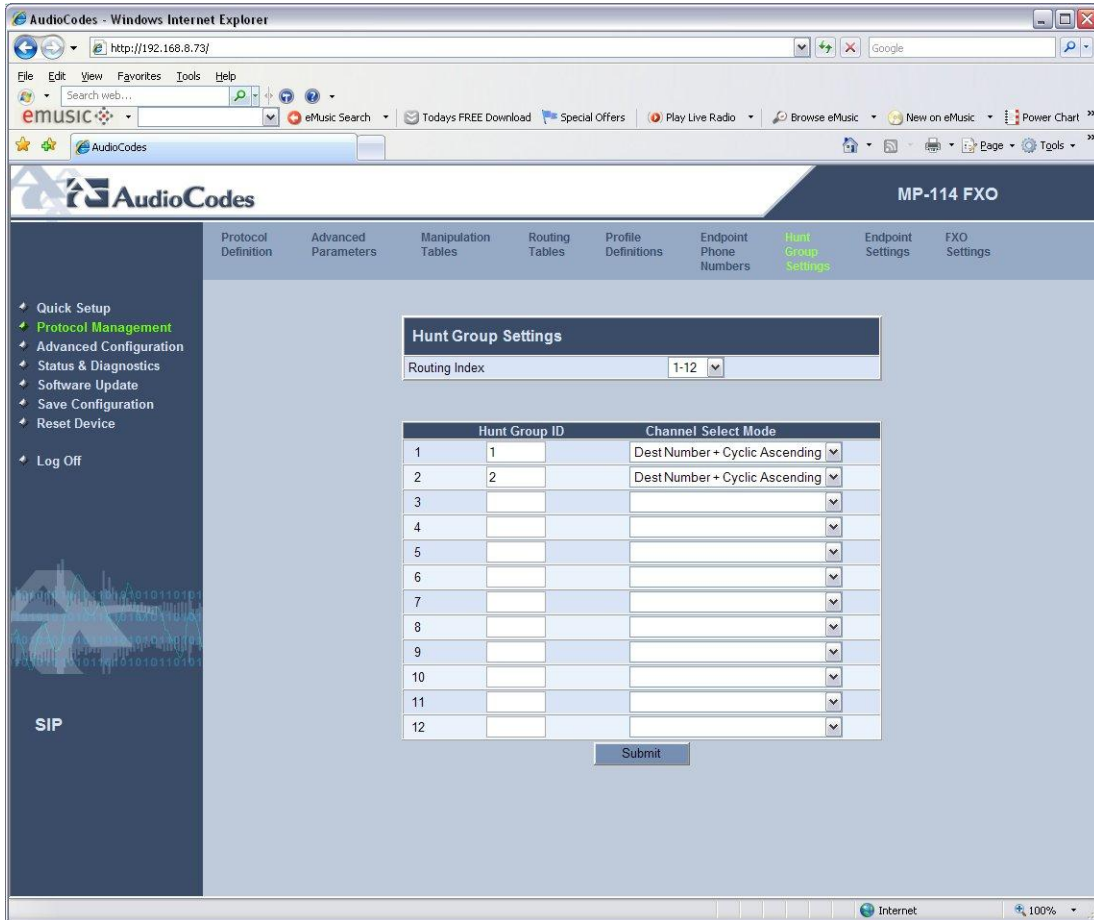
Introduction

A test tool has been developed to measure analog trunk characteristics. Calls are originated from the test tool out through the gateway under test to the PSTN. To be useful it is necessary to force the call out through a particular trunk port on the gateway otherwise a trunk is chosen at random depending on usage, etc.

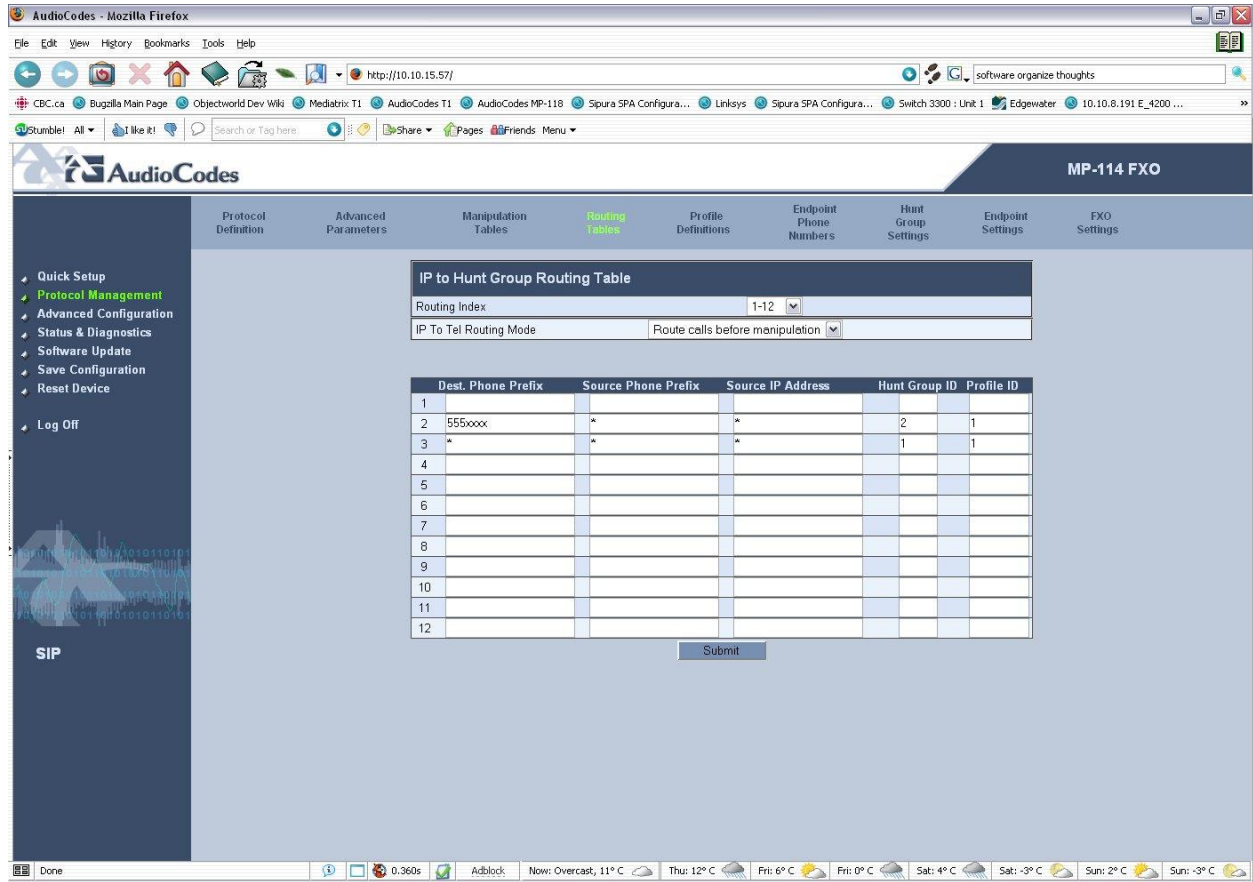
AudioCodes PSTN Routing Overview

In the AudioCodes gateways SIP to PSTN calls are routed using Hunt Groups. Under **Protocol Management -> Endpoint Phone Numbers** each channel is assigned a phone number and Hunt Group ID to use to route the call to the PSTN. **Protocol Management -> Hunt Group Settings** is used to set the hunt behavior e.g. Cyclic Ascending.

First, a second group must be setup. Go to **Protocol Management -> Hunt Group Settings** and add a second group.



Now go to **Protocol Management -> Routing Tables -> IP to Hunt Group Routing** which specifies which Hunt Group phone numbers should be routed to.

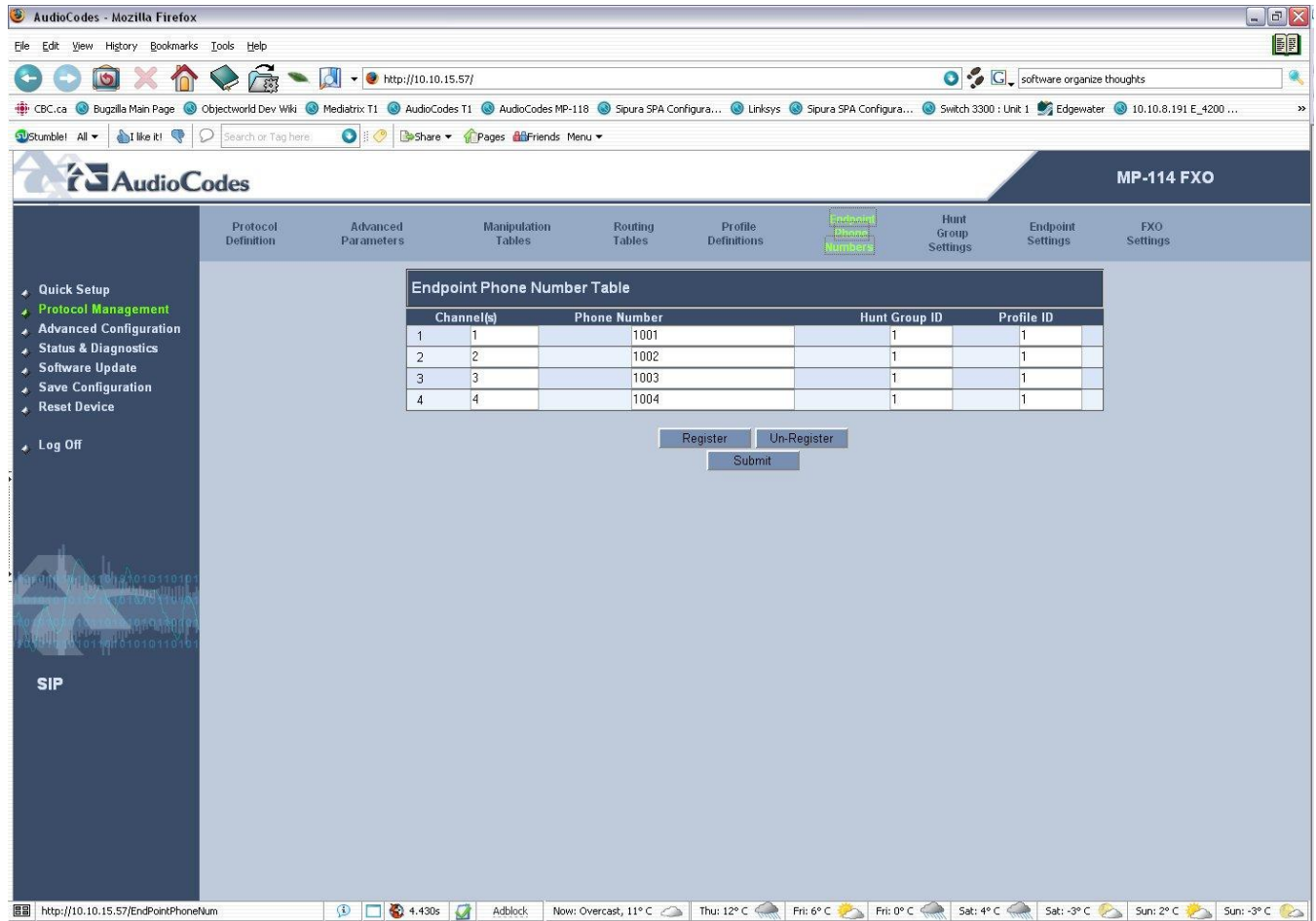


In the above example, phone numbers starting with 555 followed by 4 digits, which are the test phone numbers that we want to force a route to, are routed to Hunt Group 2. All other calls are routed to Hunt Group 1.

Forced Routing

The mechanism is now in place to force a call out through a specific port.

Go to **Protocol Management -> Endpoint Phone Numbers**.



For the port in question e.g. Channel 3, change the Hunt Group ID from 1 to 2. Make a phone call to the number specified in the IP to Hunt Group e.g. 555xxxx in the example above. The call will be routed out through that port. When finished, change the Hunt Group ID back to 1.

Note that in gateways that have not been configured for forced routing the table would have only one entry like: Channels 1-4, Phone Number 1000, Hunt Group ID 1, Profile ID 0 or 1. The outgoing routing in this case is identical the above case only you cannot force a call out through a specific port since they have not been broken out.