



Fax Tone Lists in AOS Voice Products

AOS A2.03.00 added the ability to configure tone lists that determine how various fax/modem tones are handled by T.38 and modem-passthrough.

The following commands are available, and all are enabled by default from A2.03 through A4.11:

```
[no] voice fax-tone modem-passthrough v25-ans
[no] voice fax-tone modem-passthrough v25-ans-pr
[no] voice fax-tone modem-passthrough v8-ansam
[no] voice fax-tone modem-passthrough v8-ansam-pr
[no] voice fax-tone modem-passthrough t30-cng
[no] voice fax-tone modem-passthrough v21-preamble
[no] voice fax-tone t38 v25-ans
[no] voice fax-tone t38 v25-ans-pr
[no] voice fax-tone t38 v8-ansam
[no] voice fax-tone t38 v8-ansam-pr
[no] voice fax-tone t38 t30-cng
[no] voice fax-tone t38 v21-preamble
```

As of A5.01, the default configuration is the following:

```
voice fax-tone modem-passthrough v25-ans
voice fax-tone modem-passthrough v25-ans-pr
voice fax-tone modem-passthrough v8-ansam
voice fax-tone modem-passthrough v8-ansam-pr
voice fax-tone modem-passthrough t30-cng
voice fax-tone modem-passthrough v21-preamble
no voice fax-tone t38 v25-ans
no voice fax-tone t38 v25-ans-pr
no voice fax-tone t38 v8-ansam
no voice fax-tone t38 v8-ansam-pr
no voice fax-tone t38 t30-cng
voice fax-tone t38 v21-preamble
```

When a fax-tone command is enabled, that tone will be eligible for modem-passthrough or T.38 handling, depending on the command entered. T.38 fax-tone commands take priority over modem-passthrough commands. For example, in the default configuration with all commands enabled, any detected tone on a call would cause a re-INVITE to T.38, as long as T.38 is enabled on the user or PRI/CAS trunk. If T.38 is not enabled, the call would be re-INVITED to G.711 in modem-passthrough mode. Below is a configuration that will allow modems to co-exist with fax machines on the same analog user or PRI/CAS trunk:

```
no voice fax-tone t38 v25-ans
no voice fax-tone t38 v25-ans-pr
no voice fax-tone t38 v8-ansam
no voice fax-tone t38 v8-ansam-pr
no voice fax-tone t38 t30-cng
```