
Pipeline 15

1.0 Addendum



March 10, 1998

This addendum describes additions and changes made to the Pipeline 15 since the previous release.

If you need Technical Assistance, contact Ascend in one of the following ways:

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Pipeline15 2-channel MP+ SecureID authentication

When using token card authentication and MP+ encapsulation, users can authenticate once for both channels when using the Pipeline 15 with Windows 95 or NT.

AT commands and Dial-up Networking execute authentication

When using token card security, you must provide the authentication server with a PIN code when you sign onto the server. Once the PIN code is authenticated, you gain access to the remote network. To add a channel to the call, you need to authenticate the second channel with a CHAP password used for subsequent logins.

When using a Pipeline 15 on a Windows 95 or Windows NT system, you can configure Dial-up Networking to open a terminal server window before and after making the call. You can now enter AT commands at the terminal server prompt to initiate a call to the authentication server. Once the call is answered, you enter your PIN code in the second terminal window to gain access. When using MP+ link encapsulation, the second B channel is authenticated by the CHAP password stored in your Dial-up Networking profile.

New AT Commands

The following new AT commands are included with the Pipeline 15:

Table 0-1. Pipeline 15 AT commands used for PAP-Token-CHAP authentication

AT~M	Sets up Authentication Mode. Use this command prior to dialing with PAP-Token-CHAP. The command arguments are: M0 - Normal mode M1 - PAP-Token-CHAP
AT~I	Allows you to set PAP Peer ID. You must enter this command prior to dialing with PAP-Token-CHAP.
AT~P	Allows you to set the PAP password. You must enter this command prior to dialing with PAP-Token-CHAP.
AT~T	Allows you to enter the token PIN code. You must enter this command after dialing, and in response to the ENTER TOKEN prompt issued by the Pipeline.

PAP-Token-CHAP configuration

Configure Dial-up Networking to bring up a terminal window prior to and after dialing. To do so, follow these steps:

- 1 Open the Dial-up Networking folder found by clicking My Computer on the main desktop.
- 2 Click New Connection, and selection the Configure button.
- 3 A tabbed dialog is used to fill in connection setting. Use the Options tab to select that you want a terminal window before dialing and a terminal window after dialing. Save your settings.

Next, set up a Dial-up Networking profile with your user name and CHAP password. Open the connection configured in Step 3, above. Enter a user name and password.

- Your user name must match the user name expected by the RADIUS server.
- Your password must match the CHAP password entered in your user account for subsequent CHAP authentications.

When the first terminal window opens, enter the following:

```
AT~M
AT~I<peerID>
AT~P<PAP password>
```

When the second terminal window opens, the words “Enter Token” prompt for your token PIN. Enter your PIN using the following syntax:

```
AT~T<token PIN>
```

The text you enter will not be displayed. As soon as authentication occurs, you are connected and the CHAP password for subsequent connections handles authentication of the second B channel in an MP+ link.

Additions and corrections to the AT command set

The following tables lists changes to, or provides a more accurate description of, the Pipeline 15 AT command set:

Table 1. Pipeline 15 AT command set updates

Command	Description and possible values
AT%An	Maps to the value of S68 0 = 56K 1 = 64K
AT&Cn	0 = RLSD On 1 = RLSD Off
F255	Should be &F255, used to clear non-volatile RAM (NVRAM)
S	Not implemented.
Yn	Not implemented.
S0=n	1 to 255 Enables auto answer
S2=n	0 to 127 Defines escape character
S3=n	0 to 127 Defines line termination character
S4=n	0 to 127 Defines line feed character
S5=n	0 to 32 Defines back space character
S43=n	Reports the speed of the last ISDN connection. (Read only) 1 = Last connected at 56K 2 = Last connected at 64K

Table 1. Pipeline 15 AT command set updates (continued)

Command	Description and possible values
S50=n	Sets the switch type. Supported values are: 0 = 5ESS PTP 1 = 5ESS MP 2 = ISDN N1 3 = Auto SPID 5 = VN2 6 = BTNR 191 7 = NET3 8 = KDD 9 = BELGIAN 10 = AUSTRAL 11 = SWISS 12 = GERMAN 1TR 13 = DUTCH_1TR6 14 = IDSL
S59	Not implemented
S60	Not implemented
S61=n	Enables or disables Data Over Voice (DOV). 0 = Data over a data line on outgoing calls 1 = Data over a voice line on outgoing calls
S62	Not implemented
S64	Not implemented
S65	Not implemented
S73	Not implemented
S74	Not implemented
S82	Not implemented
S95	Not implemented

Macintosh modem scripts included

When you install the Pipeline 15 Setup Wizard, four Macintosh modem types (scripts) are placed in a system folder. When you link the Macintosh to the Pipeline 15 via your communications software, you can select one of these Pipeline 15 modem types. Each type is differentiated by the transport protocol it uses, which is shown in the name of the modem type. For a description of transport protocols, refer to the manual.