

## ATSP/IPBG SIP to TDM Course

*(Instructor-led)*

This course is designed for those students who will be designing, implementing, and supporting ADTRAN IP Business Gateways (IPBG) products as a SIP to TDM conversion appliance.

The ADTRAN IPBG functions as a SIP to TDM Conversion Appliance which allows users to take advantage of SIP Trunks without replacing their legacy TDM infrastructure. The IPBG converts SIP signaling packets and RTP audio packets into: analog voice for integration with analog phones/key systems or digital voice with ISDN PRI/RBS T1 Trunks for integration with existing TDM based PBXs or Channel Banks.

The existing CPE does not need to be reconfigured, the IPBG simply emulates Telco by providing battery and dial-tone to analog devices or emulating a Class 5 Switch to digital appliances. This application is often the first phase for users keen on transitioning entirely to VoIP as it provides a stepping stone to migrate individual TDM components to either IP Phones for "Hosted Voice" or to an IP PBX.

This course is designed for those students who will be designing, implementing, and supporting solutions using ADTRAN's NetVanta 600 and Total Access 9000 Series of products.

To enroll, go to [www.adtranuniversity.com](http://www.adtranuniversity.com).

### Course Content

- NetVanta IP Business Gateway Products Overview
- ADTRAN Operating System (AOS) Operation
- SIP
- Voice Configuration
- Troubleshooting Analog/FXS
- Voice T1 Trunks
- Troubleshooting PRI/ E&M/ DSP Capture
- QoS
- Advanced Voice Configuration
- SIP Proxy
- SABR
- Enterprise SBC

### Prerequisites

ATSA/IPBG and ATSA/Internetworking

or Equivalent Experience

### Course Length

4 days

## Who Should Attend

- End Users
- System Engineers
- Network Engineers
- Value Added Resellers
- Distributors