

# Standardizing the Framing Configuration on an ATM Link

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## Introduction

This document contains information related to Cisco ATM Interface Processors and the guidelines to standardize the framing configuration on the ATM link. Refer to Cisco Interface Processors for more information.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document is not restricted to specific software and hardware versions.

### Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

## How to Standardize the Framing Configuration on an ATM Link

The framing configuration must be the same in all boxes on the ATM link if you have an ATM link that is connected by PVCs over DS3 or E3 cabling.

Use these guidelines in order to standardize the framing configuration on the ATM link:

Product	Access Speed	Framing/Action
Cisco 7000 or 7500 with an AIP module	DS3	Framing is set to the default, C-bit PLCP, and cannot be changed. Set all other ATM devices to default framing.

		Use the command:  <ul style="list-style-type: none"> <li>• <b>atm framing cbitplep</b></li> </ul>
Cisco 7000 or 7500 with an AIP module	E3	Framing options: G.823 ATM Direct Mapping framing or no framing. Use one of these commands:  <ul style="list-style-type: none"> <li>• <b>atm framing g832adm</b></li> <li>• <b>no atm framing g832adm</b></li> </ul>
Cisco 4500 or 4700 with an NPM	DS3	Use one of these commands in order to configure framing:  <ul style="list-style-type: none"> <li>• <b>atm framing m23adm</b></li> <li>• <b>atm framing cbitplep</b></li> <li>• <b>atm framing m23plcp</b></li> <li>• <b>no atm framing</b></li> </ul>
Cisco 4500 or 4700 with an NPM	E3	Use one of these commands in order to configure framing:  <ul style="list-style-type: none"> <li>• <b>atm framing g832adm</b></li> <li>• <b>atm framing g751adm</b></li> <li>• <b>no atm framing</b></li> </ul>
Lightstream 100 ATM Switch	DS3 or E3	Use the command:  <ul style="list-style-type: none"> <li>• <b>set interface [p1] [p2] [p3] [p4] [p5] [p6] [p7] [p8]</b></li> </ul> <p>where p7 is the framing parameter. A value of 0 for the framing parameter configures G.751 PLCP (default) framing, and a value of 1 configures G.804 Direct Mapping framing. For the other seven parameters, use the values for the link that you get when you issue a <b>set interface</b> command.</p>
Lightstream 1010 ATM Switch	DS3	Use one of these commands in order to configure framing:  <ul style="list-style-type: none"> <li>• <b>framing m23adm</b></li> <li>• <b>framing m23plcp</b></li> <li>• <b>framing cbitadm</b></li> <li>• <b>framing cbitplep</b></li> </ul> <p>Use this command in order to configure default framing:   <ul style="list-style-type: none"> <li>• <b>framing cbitplep</b></li> </ul> </p>
Lightsteam 1010 ATM	E3	Use one of these commands in order to configure framing:

Switch	<ul style="list-style-type: none"><li>• <b>framing g832adm</b></li><li>• <b>framing g751adm</b></li><li>• <b>framing g751plcp</b></li></ul> <p>Use this command in order to configure default framing:</p> <ul style="list-style-type: none"><li>• <b>framing g751plcp</b></li></ul>
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## Related Information

- **Technical Support & Documentation – Cisco Systems**

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