

AT&T Dedicated Internet® (ADI formerly known as MIS) and Private Network Transport (PNT)

Site Preparation Guide

This guide is designed to assist local on-site contacts to understand what you will need to accomplish in preparation for transport install





AT&T ADI and PNT on Ethernet Site Preparation Guide

AT&T will perform with your permission:

Customer will perform the following:

- 1 Meet with the AT&T engineer**
 - An AT&T engineer will explain to your site contact all customer responsibilities shown on this page
 - The engineer will reach out to the site contact within 48 hours of your order to schedule a visit
 - If you are eligible for the entrance facility offer*, AT&T will complete items 2-5 on this list. This will occur after you sign the systems permissions form
 - If the entrance facility offer is not available in your area, you will be responsible for completing the work or hiring someone to complete the work

- 2 Outside conduit specifications**
 - (Property Line to your building)
 - Minimum 2" – 4" conduit with pull rope
 - Minimum 3' sweeping radius
- 3 Pull box required when:**
 - There are 3 or more right angles
 - The path is longer than 300'
 - *Dimensions for pull box – 12" x 12" x 18"
- 4 Wall mounted backboard**
 - 4' x 4' x 3/4"
 - Fire retardant plywood
 - Mounted to studs
- 5 Electrical specifications**
 - AC power outlet on a dedicated fused breaker rated min. 15 amps **OR**
 - Nominal voltage, 48VDC, +24/-24VDC, 110V
 - Either power option needs to be located within 6 ft. of the AT&T equipment
 - Multiple outlets required for all equipment
 - Relay racks, cabinets, routers and your CPE must be grounded

- 6 Inside conduit specifications**
 - (Demarcation point to router)
 - Needs to be completed prior to installation
 - You may hire an electrical vendor to complete inside wiring
 - A conduit or cable tray is required, and a clear path for access
 - Minimum 2" conduit
- 7 Additional inside wiring**
 - Inside wiring, unless otherwise noted, is your responsibility; you can do it yourself or hire a vendor
 - Inside wiring includes:
 - From the demarcation point to your ADI equipment (router)
 - Note: Incomplete inside wiring is the number one reason for service delays
- 8 Telephone land line (not mobile)**
 - Managed options require a land line
 - If you do not have a land line, talk to your sales person about ordering one

AT&T ADI and PNT site preparation guide – all offers

Site Survey

AT&T will reach out to your local site contact to schedule a site survey, if applicable

Please provide the local customer site contact information:

- Name / Title
- Phone number / Email

The site contact will work with AT&T to schedule building access, provide the installation address to the ordering team and problem solve, as needed

Site contact responsibilities

- Obtaining building access and being familiar with the telecom rooms
- Showing AT&T where the circuit demarcation (demarc) is located. The demarc is inside the building where the service terminates from the street
- Guiding AT&T during the site survey visit, noting further action needed to complete the site requirements **(take notes)**

Site contact responsibilities

- Overseeing the site build out and confirming the completion dates. The contact should be fully empowered to make decisions
- Informing us of any parking, noise or time restrictions; unloading zones, elevators, asbestos, hazardous materials, etc.
- Providing adequate working space, a clear path and easy access to the backboard, jack, land line, power outlets and the AT&T ADI router

If in a multi-tenant building

- Working with the property manager or building owner to determine the location of your company's demarc
- Acting as a liaison and advocate when working with the building owner or manager
- Confirming the demarc is in the same room as the router
- Providing inside wiring if the building's demarc is not in your location or on a different floor than the ADI router

AT&T ADI and PNT site preparation guide

Site preparation delays

- AT&T will negotiate a project schedule with all parties to enable service completion as close to your desired date as possible
- However, any changes to plans or any delays associated with site preparation can have a corresponding impact to the service delivery date
- Please try to complete the site preparation as soon as possible from the time you place your order. This includes any electrical requirements, the backboard for the network equipment and any applicable extended inside wire. This will help avoid an installation delay

Customer site not ready

- Please contact the AT&T ordering team and your account team representative if delays are anticipated so work forces can be rescheduled
- There are billing implications if the site is not ready in time



What to expect during site survey visit

- The local site contact will meet with the AT&T engineers to walk through what he or she will need to complete before we can install the service.
- It's a good idea to take notes and keep the name and contact information of the engineer in case there is a question later
- We will keep the site contact notified if there are any delays on our end, such as special construction, or facility delays

AT&T ADI and PNT Site Preparation Guide

General requirements

The following pages contain information and a list of general requirements associated with fiber optic-based services. The AT&T access engineer or field technician will identify actual requirements for the specific installation during the site survey

Share this information with your electrical contractor

There are typically four (4) areas of customer obligation to facilitate timely equipment installation and delivery of service:

- Inside path
- Ground
- Power
- Floor space and environmental requirements



For an additional fee, you can hire AT&T or an electrician to complete the inside wiring

Inside path

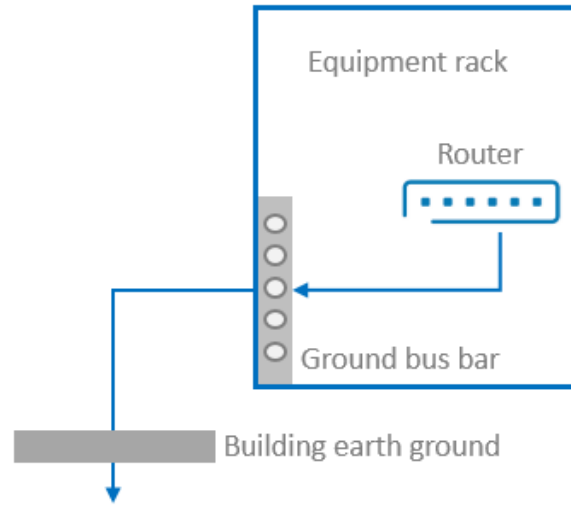
- The inside path is the wiring that goes from the point where we bring the service to your building (demarc) to your ADI router
- The conduit must be a minimum 2” with a hard plastic corrugated interior duct, with pull rope
- If the building is shared by multiple tenants, the router and the demarc will likely not be in the same location. You will need to work with the building manager or building owner to coordinate the inside wiring
- **Inside wire extensions take time**, so you will want to schedule that as soon as possible. The AT&T engineer will be able to answer any questions

AT&T ADI and PNT Site Preparation Guide

Grounding

- Grounding your router is your responsibility, we encourage you to consult with your electrical contactor
- AT&T provided equipment, customer relay racks, cabinets and router must be grounded by placing an exposed #6 or larger grounding wire to the building's ground source
- This ground wire will be attached to the closest ground rod (earth ground) or building bus bar available and run to the network terminating equipment location in the room

All equipment requires a properly grounded 110v, 15 amp, 3-prong AC outlet



Not properly grounding your equipment will result in service quality and maintenance issues

- A #6 stranded ground is required from your earth electrode system to the equipment room. This would be connected to a grounding bus bar, or otherwise directly connected to different components
- A #6 stranded ground is required from the grounding bus bar to the network terminating equipment
- Specific requirements may also be discussed with the AT&T access engineer or AT&T field technician at the time of the site survey visit



AT&T ADI and PNT site preparation guide

Power

Network device

- Please provide a dedicated 110V circuit breaker rated at a minimum of 15 amps for the network device that connects your building to the AT&T network. The power cord must not be touching any other cables

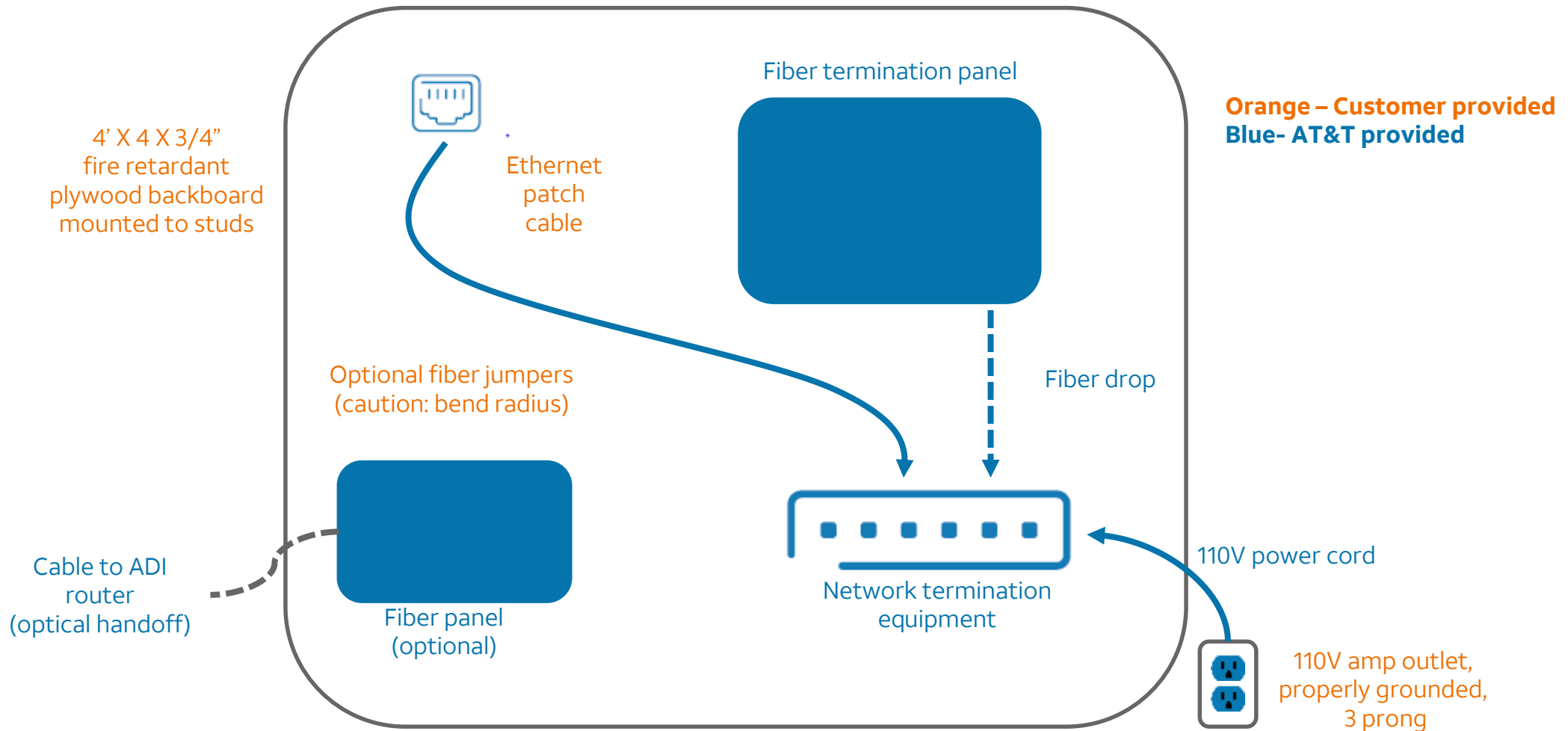
ADI router

- In addition, please provide a 110V outlet for the router and the modem. A modem is provided if you ordered an AT&T managed router

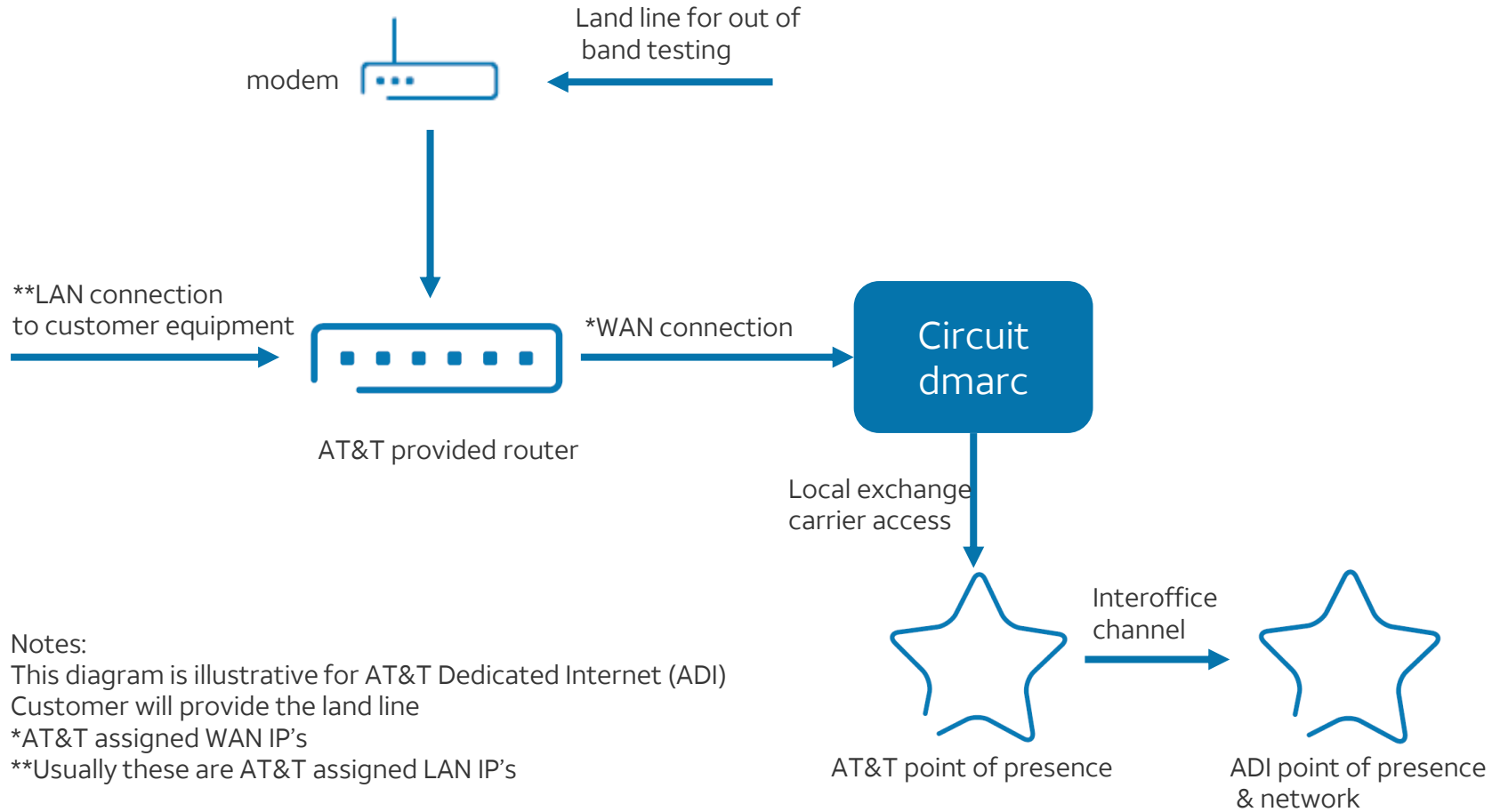
Customer environmental responsibilities

- A 4' x 4' x 3/4', fire retardant backboard, fastened to studs is required
- A (customer provided) regular telephone line should be installed prior to the router installation. This line will be connected to the modem and used by the AT&T installation engineer during the test and turn-up of your ADI service. It also allows for testing in the event of circuit interruption during the life of the service
- The ADI router should be installed less than 15 feet from the jack that connects to the router. The distance will ensure the cable inside the router box will reach the jack
- Operating environment should be between 40 (degrees) F and 85 (degrees) F to 85% relative humidity
- Because of the small size of most network termination equipment, a wall mounted installation is recommended (please see illustration on the next page)
- Another option would be a (customer provided) 19" rack of suitable strength and quality is also acceptable
- The choice for placement should be decided before the order is placed and is subject to confirmation following the site survey
- In a standard fiber installation, transport equipment is placed in a common area with access to the entire building.

Wall Mount Example



AT&T ADI and PNT Network Example





AT&T