

## Turn-Up and Test Service



*Supporting network deployment and growth with flexible turn-up and test options to ensure optimal equipment performance.*

# Turn-Up and Test Service

## Minimize the Complexity of Network Deployment and Growth

Your customers' growing demand for bandwidth, coupled with today's emerging technologies, has created new opportunities to enhance the revenue-generating potential of your network by offering next-generation subscriber services. The multivendor Fujitsu Turn Up and Test service can help you deliver these innovative service offerings faster and more efficiently with on-site configuration, comprehensive testing, and network connectivity for your newly installed equipment.

Our services help minimize the complexity of your network deployment and growth by ensuring your equipment is turned up, tested and operating per product specifications. We use state-of-the-art testing equipment and the technical expertise of our staff to quickly and cost-effectively integrate your new equipment into your network.

### Service Benefits

- Speeds time to market by using expert, experienced Fujitsu engineers
- Improves reliability by ensuring your network elements are turned-up, tested and operating according to product specifications
- Ensures optimal performance by utilizing proven testing techniques
- Reduces operational expenses by ensuring equipment is running as efficiently as possible
- Minimizes the occurrence of service-affecting performance issues and faults

### Service Deliverables

Fujitsu Professional Services provides Network Element (NE) and network Turn-Up and Test services to commission products into operation. This service includes the following deliverables:

- Method of Procedure (MOP) – Outlines the steps to be taken as part of the turn-up and testing of a node or ring.
- Network Element Turn-up and Test – Preliminary actions, checks and tests performed to ensure the NE is operational, ready to be provisioned for traffic and has connectivity to the NOC, if applicable.
- Network Level Test – Actions and tests to integrate multiple nodes into a network and confirm the network's performance.
- Retrievals – NE provisioning configuration details after all Turn-up and Test activities are complete.
- Redlines – Updates to documentation as noted during Turn-up and Test activities.

- Program Management – The Fujitsu program manager (PM) acts as the focal point of the entire project, covering all Turn-up and Test activities.
- System Fiber Labeling – All system fibers used for Turn-up and Test will be labeled with appropriate information.

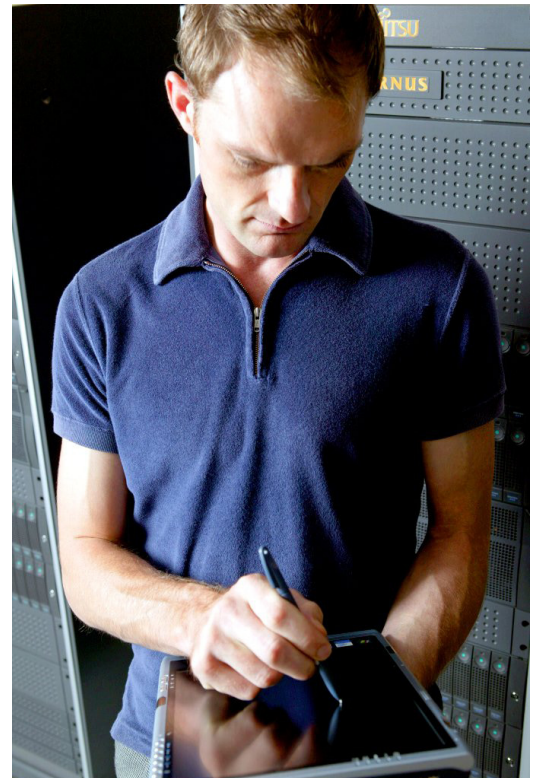
### Customizable Test Options for Optimal Performance

Fujitsu gives you the flexibility of different levels of testing to meet your needs. You can ensure your equipment is working optimally by testing functionality across the entire network. In addition to our standard Turn-up and testing offering, we can adjust our battery of tests to meet our customer's specific needs.

We can perform a variety of individual tests as determined by your specifications and deployed equipment. All test results are furnished to you upon completion for customer acceptance and use in future benchmarking and analysis.

### Knowledge and Expertise to Meet Your Exact Needs

Our extensive industry and product knowledge allows us to customize the Turn Up & Test services to match your specific requirements. Fujitsu can provide a solution, whether you need to completely outsource your network migration or just require a mentor to assist you with Methods of Procedure (MOPs), recommendations or individual tasks. The Fujitsu Turn Up & Test services are available to support both Fujitsu manufactured products, as well as Original Equipment Manufacturer (OEM) solutions.



## Flexible Expert Testing Options for Multivendor Networks

### Smooth Coordination with Fujitsu Program Management

The Fujitsu Program Manager (PM) functions as a single point of contact, covering all phases of Turn-up and Test throughout the entire project lifecycle. Throughout the process, the PM regularly communicates status updates as defined in the project communication plan. Deliverables for each project include:

- Project plan
- Master schedule
- Risk management – Proactively identifying, analyzing, planning and scheduling of risk plans
- Project status meetings and reports as required
- Project controls that include, but are not limited to:
  - Communication management
  - Cost management
  - Change management – Tracking and resolving all scope, schedule, or cost changes and implementing process for obtaining necessary approvals for modifications

### Turn-Up and Test Service Options

Fujitsu provides two options for delivering the Turn-Up & Test service:

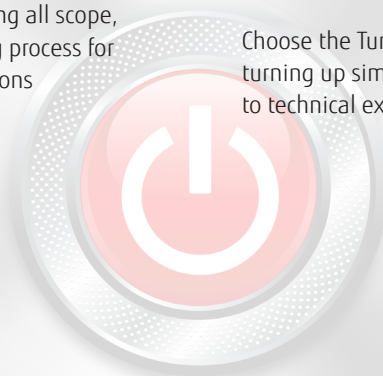
- **Onsite** – A Fujitsu technician is physically present onsite to perform the procedures.

Choose the onsite option if you need dedicated service from an engineer who will complete the service for you.

- **Turn-Up and Test Hotline** – A Fujitsu technician is available by telephone to guide you (or your third-party agency) through the process. This option also provides “safety-net” assistance if any issues occur.

The Turn-Up and Test Hotline is purchased in six-hour blocks of time, scheduled two weeks in advance. Fujitsu also offers the option to purchase and schedule additional blocks if the customer does not complete the work by the end of the sessions already purchased.

Choose the Turn-Up and Test Hotline if you already have experience turning up similar equipment and are seeking cost-optimized access to technical expertise during turn-up and test process.



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