



ATIS-0100006

## Service Restoration Priority Levels for IP Networks

TECHNICAL REPORT



The Alliance for Telecommunication Industry Solutions (ATIS) is a technical planning and standards development organization that is committed to rapidly developing and promoting technical and operations standards for the communications and related information technologies industry worldwide using a pragmatic, flexible and open approach. Over 1,100 participants from more than 350 communications companies are active in ATIS' 23 industry committees and its Incubator Solutions Program.

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ATIS-0100006, *Service Restoration Priority Levels for IP Networks*

Is an ATIS Standard developed by the **Network Reliability Task Force (REL)** Subcommittee under the **ATIS Network Performance, Reliability, and Quality of Service Committee (PRQC)**.

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Technical Report on

## Service Restoration Priority Levels for IP Networks

Secretariat

**Alliance for Telecommunications Industry Solutions**

Approved March 2006

### **Abstract**

This Technical Report (TR) proposes three levels of service restoration priority for traffic in IP networks. It also proposes that all emergency communications (e.g., ETS and E911) be included in the highest priority for service restoration. This report also provides guidance on restoration compliance with the Telecommunications Priority System as mandated by the Federal Communications Commission (FCC). The goal is to formalize restoration priority levels in IP networks such that appropriate signaling requirements can commence.

## FOREWORD

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This Technical Report (TR) proposes three service restoration priority levels in IP networks. It also proposes that National Security/Emergency Preparedness services are included in the highest restoration priority class.

This TR is intended for providers of IP-based communications networks and services, communications equipment suppliers, and government agencies responsible for addressing emergency situations.

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Network Performance, Reliability, and Quality of Service Committee (PRQC) – formerly T1A1 – develops and recommends standards, requirements, and technical reports related to the performance, reliability, and associated security aspects of communications networks, as well as the processing of voice, audio, data, image, and video signals, and their multimedia integration. PRQC also develops and recommends positions on, and foster consistency with, standards and related subjects under consideration in other North American and international standards bodies.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, PRQC Secretariat, 1200 G Street NW, Suite 500, Washington, DC 20005.

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