



**ATIS-0300078.2023**

ATIS Standard on -

**Structure for Serialization of Information and Communications  
Technology (ICT) Network Infrastructure Equipment**



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[Revision of ATIS-0300078]

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# **Structure for Serialization of Information and Communications Technology (ICT) Network Infrastructure Equipment**

**Alliance for Telecommunications Industry Solutions**

Approved June 2018 (Revised December 2023)

## **Abstract**

The purpose of this guideline is to provide a uniform method of creating the unique serial identification and globally unique serial identification for the communications industry by recommending the code structure and identifiers for the unique serial identification used by manufacturers, suppliers and related services companies to uniquely serialize products bearing the same manufacturer identification within a company.

## Foreword

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The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Automatic Identification and Data Capture (AIDC) Committee establishes guidelines for common shipping labels, product marking labels, RFID tagging, product changes and software issuance standards. These common guidelines simplify the receiving, shipping, transportation and tracing of communications products through company and industry business processes and the global supply chain.

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

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# Structure for Serialization of Communications Network Infrastructure Equipment

## 1 Introduction

This Guideline identifies and recommends two unique serial identification coding structures for use by communications industry companies:

1. Unique Serial Identification within a given manufacturer which provides for a unique serial number within a manufacturer's products.
2. Globally Unique Serial Identification which provides for a globally unique serial number among all manufacturer's products.

### 1.1 Purpose

The purpose of this guideline is to provide a uniform method of creating globally unique serial identification for the communications industry by recommending the code structure and identifiers for the unique serial identification used by manufacturers, suppliers and related services companies to uniquely serialize products bearing the same manufacturer identification within a company.

### 1.2 Scope

This guideline provides recommended options for globally unique serial identification of infrastructure equipment used in communications networks. This guideline allows for the use of four code structure options for representing the manufacturer identification segment. Manufacturers are responsible for ensuring that their processes result in serial numbers that are unique.

Intended applications include, but are not limited to, support of systems that automate the control of products during the processes of production, inventory, distribution, field service, and repair.

### 1.3 References

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ATIS-0300078-1 *Serialization Standard for Telecommunications Network Infrastructure Equipment*.<sup>1</sup>

<sup>1</sup> This document is available from the Alliance for Telecommunications Industry Solutions (ATIS).  
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