



ATIS-1000109.2014(R.019)

Exchange- Interexchange Carrier Interfaces – 950+XXXX  
EC-to-IC Access Signaling Protocols

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### ATIS-1000109.2014(R2-19), Exchange-Interexchange Carrier Interfaces – 950+XXXX EC-IC Access Signaling Protocols

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American National Standard for Telecommunications

# Exchange-Interexchange Carrier Interfaces – 950+XXXX EC-to-IC Access Signaling Protocols

Alliance for Telecommunications Industry Solutions

Approved June, 2014

American National Standards Institute, Inc.

## Abstract

The purpose of this standard is to enable an exchange carrier (EC) entity and an interexchange carrier (IC), or consolidated carrier entity to provide interconnecting equipment that operates compatibly. This standard is one of a series of standards that gives individual-channel signaling protocol requirements for the interface located between a public switched EC network within an access area and an IC, INC, or consolidated carrier network.

## Foreword

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The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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

At the time of consensus on this document, PTSC, which was responsible for its development, had the following leadership:

- M. Dolly, PTSC Chair (AT&T)
- V. Shaikh, PTSC Vice-Chair (ACS)
- M. Dolly, PTSC SAC Chair (AT&T)

The **SAC** Subcommittee was responsible for the development of this document.

**Table of Contents**

<b>1</b>	<b>SCOPE, PURPOSE, &amp; APPLICATION.....</b>	<b>1</b>
1.1	SCOPE .....	1
1.2	PURPOSE .....	1
1.3	APPLICATION .....	1
1.3.1	Interface.....	1
1.3.2	Compliance.....	2
1.3.3	Interfaces.....	2
1.3.4	Illustrative Calling User Dialing.....	2
1.3.5	Illustrative Numeric Values.....	2
<b>2</b>	<b>RELATED STANDARDS &amp; PUBLICATIONS.....</b>	<b>2</b>
2.1	RELATED STANDARDS .....	3
2.2	RELATED PUBLICATIONS .....	3
<b>3</b>	<b>DEFINITIONS .....</b>	<b>3</b>
<b>4</b>	<b>E-I INTERFACE .....</b>	<b>4</b>
4.1	DESCRIPTION.....	4
4.1.1	Location.....	4
4.1.2	Characteristics.....	4
4.2	INTERFACE PROTOCOL.....	5
4.2.1	General.....	5
4.2.1.1	Signals .....	5
4.2.1.2	Protocols.....	5
4.3	PROTOCOL COMBINATIONS .....	6
4.4	CONVENTIONS.....	6
4.4.1	Trunk Directionality.....	6
4.4.2	Notations Within Protocol Specifications.....	6
<b>5</b>	<b>PROTOCOLS .....</b>	<b>6</b>
5.1	950+XXXX ACCESS SIGNALING WITH ANI .....	6
5.1.1	Basic Protocol.....	6
5.1.1.1	Description.....	6
5.1.1.2	Nominal Signaling Sequence.....	6
5.1.2	Distinguishing Characteristics.....	7
5.1.3	Specific Example.....	7
5.1.4	Variations.....	7
5.1.4.1	Access Code Field.....	7
5.1.4.2	Identification Field.....	8
5.1.5	Time Limits.....	8
5.1.5.1	Wink-Start Signal.....	8
5.1.5.2	Wink-Start Guard.....	8
5.1.5.3	Cut-Hook Signal.....	8
5.1.5.4	Disconnect Timing Interval.....	8
5.1.5.5	Maintenance Timing Interval.....	8
5.1.5.6	Trunk Guard Interval.....	8
5.1.6	Incomplete Calls and Irregularities.....	8
5.1.6.1	Time Out.....	8
5.1.6.2	Invalid Code.....	9
5.1.6.3	All Trunks Busy.....	9
5.1.6.4	Glare.....	9
5.2	950+XXX:X ACCESS SIGNALING WITHOUT ANI.....	9
5.2.1	Basic Protocol.....	9
5.2.1.1	Description.....	9

5.2.1.2	Nominal Signaling Sequence.....	9
5.2.2	<i>Distinguishing Characteristics</i> .....	10
5.2.3	<i>Specific Example</i> .....	10
5.2.4	<i>Variations to the Access Code Field</i> .....	10
5.2.5	<i>Time Limits</i> .....	10
5.2.5.1	Wink-Start Signal .....	10
5.2.5.2	Wink-Start Guard .....	11
5.2.5.3	Off-Hook Signal .....	11
5.2.5.4	Disconnect Timing Interval .....	11
5.2.5.5	Maintenance Timing Interval.....	11
5.2.5.6	Trunk Guard Interval.....	11
5.2.6	<i>Incomplete Calls and Irregularities</i> .....	11
5.2.6.1	Time Out .....	11
5.2.6.2	Invalid Code.....	11
5.2.6.3	All Trunks Busy .....	11
5.2.6.4	Glare .....	11
5.3	950+XXXX ACCESS SEIZURE-ONLY SIGNALING .....	11
5.3.1	<i>Basic Protocol</i> .....	11
5.3.1.1	Description .....	11
5.3.1.2	Nominal Signaling Sequence.....	12
5.3.2	<i>Distinguishing Characteristics</i> .....	12
5.3.3	<i>Specific Example</i> .....	13
5.3.4	<i>Variations</i> .....	13
5.3.5	<i>Time Limits</i> .....	13
5.3.5.1	Wink-Start Signal .....	13
5.3.5.2	Wink-Start Guard .....	13
5.3.5.3	Off-Hook Signal .....	13
5.3.5.4	Disconnect Timing Interval .....	13
5.3.5.5	Maintenance Timing Interval.....	13
5.3.5.6	Trunk Guard Interval.....	13
5.3.6	<i>Incomplete Calls and Irregularities</i> .....	13
5.3.6.1	Time Out .....	13
5.3.6.2	All Trunks Busy .....	13
5.3.6.3	Glare .....	14
<b>APPENDIX A: PROVISION OF 950+XXXX ACCESS SIGNALING WITH ANI PROTOCOL</b> .....		<b>18</b>
<b>APPENDIX B: POST-ACCESS DIAL PULSE SIGNALING ARRANGEMENTS</b> .....		<b>19</b>
B.1	CALLING USER-TO-IC DIAL PULSE SIGNALING.....	19
B.2	DISABLING TONE-TO-PULSE CONVERTERS .....	19

**Table of Figures**

FIGURE 1:	950+XXXX ACCESS WITH ANI CALL TO IC.....	16
FIGURE 2:	950+XXXX ACCESS WITH ANI CALL TO IC.....	17
FIGURE 3:	950+XXXX ACCESS SEIZURE-ONLY CALL TO IC .....	17

**Table of Tables**

TABLE 1:	NOTATION CONVENTIONS FOR ADDRESS AND IDENTIFICATION FIELD CONTENTS .....	15
TABLE 2:	950+XXXX ACCESS SIGNALING PROTOCOLS.....	15
TABLE 3:	EXAMPLE ASSIGNMENTS OF ANI INFORMATION (I) DIGIT .....	15

ATIS Standard on –

# Exchange-Interchange Carrier Interfaces – 950+XXXX EC-to-IC Access Signaling Protocols

## 1 Scope, Purpose, & Application

### 1.1 Scope

This standard is one of a series of interface compatibility specifications prepared by the Services, Architecture, and Signaling Interfaces Subcommittee of Committee T1. The series provides technical requirements for the interfacing of cellular mobile carriers (CMCs), wireline exchange carriers (ECs), interexchange carriers (ICs), international carriers (INCs), and consolidated carriers in paired interface combinations.

This standard provides technical requirements for EC-to-IC calls using an Exchange-Interexchange (E-1) Interface that interconnects a switching system in the EC network with a switching system in the IC, INC, or consolidated carrier network. The interface is at a point of termination (POT) between the two switching systems.

Technical requirements for IC-to-EC calls are described in American National Standard for Telecommunications - Exchange-Interexchange Carrier Interfaces - Individual Channel Signaling Protocols, ANSI T1.104-1988.

In the remainder of this standard, unless otherwise noted, the term IC connotes IC, INC, or consolidated carrier.

This standard supersedes ATIS-1000109.1990(R2009), in which the carrier access code was specified as 950+WXXX where W = 0 or 1 and X = 0 to 9.

### 1.2 Purpose

The purpose of this standard is to enable separate entities to provide interconnecting equipment that will operate compatibly. Quantitative descriptions are provided in this standard of the specific characteristics of the interconnecting systems required to achieve this objective.

### 1.3 Application

#### 1.3.1 Interface

This standard establishes the technical requirements of the interface that is located between a public switched EC network and an IC network that has the following characteristics:

- a) The connection between the POT and the first point of EO switching is on a trunk-signaling basis.
- b) The carrier access code is 950+XXXX, where X= 0 to 9.
- c) On EC-to-IC calls, the EC sends, when applicable, the carrier access code and calling line information to the IC at the times and in the order specified by the signaling protocol.