

# ITU-T

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STANDARDIZATION SECTOR  
OF ITU

## Q.4002.1

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SERIES Q: SWITCHING AND SIGNALLING

Testing specifications – Testing specifications for SIP-IMS

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**Originating identification presentation and  
originating identification restriction using IP  
multimedia core network subsystem;  
Conformance testing – Part 1: Network side and  
user side; Protocol implementation  
conformance statement**

Recommendation ITU-T Q.4002.1

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# Recommendation ITU-T Q.4002.1

## Originating identification presentation and originating identification restriction using IP multimedia core network subsystem; Conformance testing – Part 1: Network side and user side; Protocol implementation conformance statement

### Summary

Recommendation ITU-T Q.4002.1 v.1 (2016) is part 1 of the testing specifications for originating identification presentation/originating identification restriction (OIP/OIR) services implemented on IP multimedia subsystem (IMS) basis on the network and user side. This Recommendation specifies the protocol implementation conformance statement (PICS) that can be used for testing against Recommendation ITU-T Q.3618 v.1, *"Originating identification presentation and originating identification restriction using IP multimedia core network subsystem – Protocol specification"*.

The version number, v.1, indicates that this is version one of Recommendation ITU-T Q.4002.1, and that it relates to Release 10 of the relevant 3GPP/ETSI standard.

### History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Q.3943.1	2013-04-29	11	<a href="http://handle.itu.int/11.1002/1000/11925">11.1002/1000/11925</a>
2.0	ITU-T Q.4002.1 v.1	2016-02-13	11	<a href="http://handle.itu.int/11.1002/1000/12744">11.1002/1000/12744</a>

### Keywords

IP multimedia subsystem, IMS, network side, originating identification presentation ,OIP, originating identification restriction, OIR, protocol implementation conformance statement, PICS, session description protocol, SDP, session initiation protocol, SIP, testing, user side.

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\* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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# Recommendation ITU-T Q.4002.1

## Originating identification presentation and originating identification restriction using IP multimedia core network subsystem; Conformance testing – Part 1: Network side and user side; Protocol implementation conformance statement

### 1 Scope

The following ITU-T Recommendation provides the implementation conformance statement (ICS) proforma for the originating identification presentation (OIP) supplementary service and the originating identification restriction (OIR) supplementary services, based on stage one and two of the ISDN and CLIR supplementary service defined in [ITU-T Q.3618 v.1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in [ITU-T X.296].

### 2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

- [ITU-T Q.3618 v.1] Recommendation ITU-T Q.3618 v.1 (2016), *Originating identification presentation and originating identification restriction using IP multimedia core network subsystem—Protocol specification*.
- [ITU-T X.290] Recommendation ITU-T X.290 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – General concepts*.
- [ITU-T X.296] Recommendation ITU-T X.296 (1995), *OSI conformance testing methodology and framework for protocol Recommendations for ITU-T applications – Implementation conformance statements*.

### 3 Definitions

#### 3.1 Terms defined elsewhere

This Recommendation uses the following terms defined elsewhere:

**3.1.1 Implementation Conformance Statement (ICS)** [ITU-T X.290]: A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

**3.1.2 ICS proforma** [ITU-T X.290]: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

**3.1.3 Protocol ICS (PICS)** [ITU-T X.290]: An ICS for an implementation or system claimed to conform to a given protocol specification.

NOTE – This may contain additional information.

## 4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

CLIR	Calling Line Identification Presentation
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
OIP	Originating Identification Presentation
OIR	Originating Identification Restriction
PICS	Protocol Implementation Conformance Statement
SUT	System Under Test

## 5 Conformance to this PICS proforma specification

If it claims to conform to this Recommendation, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in clause 5, and shall preserve the numbering/naming and ordering of the proforma items.

A protocol implementation conformance statement (PICS) that conforms to the present Recommendation shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause 5.1.

### 5.1 Guidance for completing the PICS proforma

#### 5.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in [ITU-T Q.3618 v.1] may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into clauses for the following categories of information:

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the <reference specification type>;
- global statement of conformance;
- *roles*;
- *user role*;
  - *major capabilities*;
- *network role*;
  - *major capabilities*.

#### 5.1.2 Abbreviations and conventions

The PICS proforma contained in this clause is comprised of information in tabular form in accordance with the guidelines presented in [ITU-T X.296].

##### Item column

The item column contains a number which identifies the item in the table.

##### Item description column

The item description column describes in free text each respective item (e.g., parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".



## Status column

The following notations, defined in [ITU-T X.296], are used for the status column:

- m mandatory – the capability is required to be supported.
- o optional – the capability may be supported or not.
- n/a not applicable – in the given context, it is impossible to use the capability.

## Reference column

The reference column makes reference to [ITU-T Q.3618 v.1] (3GPP Release 10), except where explicitly stated otherwise.

## Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in [ITU-T X.296], are used for the support column:

- Y or y supported by the implementation.
- N or n not supported by the implementation.
- N/A, n/a or – no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status).

## Prerequisite line

A prerequisite line takes the form: Prerequisite: <predicate>.

A prerequisite line after a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

### 5.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support column boxes provided, using the notation described in clause 5.1.2.

However, the tables containing in "user role" clause shall only be completed for user implementations, and the tables containing in "network role" clause shall only be completed for network implementations.

If necessary, the supplier may provide additional comments in the space at the bottom of the tables or separately.

More detailed instructions are given at the beginning of the different clauses of the PICS proforma.

## 5.2 Identification of the implementation

Identification of the implementation under test (IUT) and the system in which it resides (the system under test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the ICS should be named as the contact person.

### 5.2.1 Date of the statement

<b>Date of the statement:</b>	
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### 5.2.2 Implementation Under Test (IUT) identification

<b>IUT name:</b>	
<b>IUT version:</b>	

### 5.2.3 System Under Test (SUT) identification

<b>SUT name:</b>	
<b>Hardware configuration:</b>	
<b>Operating system:</b>	

### 5.2.4 Product supplier

<b>Name:</b>	
<b>Address:</b>	
<b>Telephone number:</b>	
<b>Facsimile number:</b>	
<b>E-mail address</b>	
<b>Additional information:</b>	

### 5.2.5 Client (if different from product supplier)

<b>Name:</b>	
<b>Address:</b>	
<b>Telephone number:</b>	
<b>Facsimile number:</b>	
<b>E-mail address</b>	
<b>Additional information:</b>	

### 5.2.6 PICS contact person

(A person to contact if there are any queries concerning the content of the ICS)

<b>Name:</b>	
<b>Address:</b>	
<b>Telephone number:</b>	
<b>Facsimile number:</b>	
<b>E-mail address</b>	
<b>Additional information:</b>	

## 5.3 Identification of ITU-T Q.3618 v.1

This PICS proforma applies to the following standard:

[ITU-T Q.3618 v.1] "Originating identification presentation and originating identification restriction using IP multimedia core network subsystem – Protocol specification"

## 5.4 Global statement of conformance

	(Yes/No)
Are all mandatory capabilities implemented?	

NOTE – Answering "No" to this question indicates non-conformance to the <reference specification type> specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming, on pages attached to the PICS proforma.

## 5.5 Roles

**Table 5-1 – Roles**

Item	Item description	Reference	Status	Support
1	User	Clauses 4.5.2.1, 4.5.2.12 of [ITU-T Q.3618 v.1]	o.1	
2	Network	Clauses 4.5.2.4, 4.5.2.9 of [ITU-T Q.3618 v.1]	o.1	
o.1: It is mandatory to support exactly one of these items.				

Comments:

## 5.6 User role

This clause contains the PICS proforma tables related to the user role. They need to be completed only for user implementations:

Prerequisite: 5.1/1 -- user role

### 5.6.1 Major capabilities

**Table 5-2 – User related requirements and options**

Item	Item description	Reference	Status	Support
1	Is the implementation an originating user equipment?	Clause 4.5.2.1 of [ITU-T Q.3618 v.1]	o	
2	Does the originating user equipment insert P-Preferred-Identity header field?	Clause 4.5.2.1 of [ITU-T.3618 v.1]	o	
3	Is the terminating user a terminating user equipment?	Clause 4.5.2.12 of [ITU-T Q.3618 v.1]	o	

Comments:

## 5.7 Network role

This clause contains the PICS proforma tables related to the Network role. They need to be completed only for network implementations:

Prerequisite: 5.1/2 -- network role

## 5.7.1 Major capabilities

**Table 5-3 – Network related requirements and options**

Item	Item description	Reference	Status	Support
1	Does the Application Server serving the originating user modify the From header field to remove the identification information or set the Privacy header value to "user" if the originating user identity is restricted?	Clause 4.5.2.4 of [ITU-T Q.3618 v.1]	o	
2	Does the Application Server serving the originating user set the From header field to the default public user identities if the received From header field does not match with one of the registered public user identities?	Clause 4.5.2.4 of [ITU-T Q.3618 v.1]	o	
3	Does the originating user subscribe the "no screening" special arrangement?	Clause 4.5.2.4 of [ITU-T Q.3618 v.1]	o	
4	Does the SUT supports the OIR service in permanent mode?	Clause 4.5.2.4 of [ITU-T Q.3618 v.1]	o	
5	Does the SUT supports the OIR service in temporary mode?	Clause 4.5.2.4 of [ITU-T Q.3618 v.1]	o	
6	Does the Application Server serving the terminating user anonymize the contents of the From header by setting it to a default non-significant value if the terminating user does not subscribe the OIR service?	Clause 4.5.2.9 of [ITU-T Q.3618 v.1]	o	
7	Does the network serving the terminating user support the override category?	Clause 4.5.2.9 of [ITU-T Q.3618 v.1]	o	
8	Does the Application Server serving the terminating user remove the Privacy header value 'id' if it removes the P-Asserted-Identity or the terminating user has an override category?	Clause 4.5.2.9 of [ITU-T Q.3618 v.1]	o	

Comments:



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