

TECHNICAL REPORT

DSL Forum TR-033

ITU-T G.992.2 (G.lite) ICS

March 2000

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1. Revision History

Date (M/D/Y)	Version	Major Changes.
3/13/1999	1	Creation of First draft - Bill Tim/Jim Carlo.
3/18/1999	1	Made changes to format and references
5/26/1999	2	Editorial changes.
9/1/99, 9/9/99	3	Editorial changes and editing notes. Note: section references and message names for G.992.2, G.994.1, G.997.1 for tables have not been updated, but needs to be done; 9/9/99: further editing (version numbers...).
10/15/99	4	Changes made to update Section references to the ITU-T March 1999 versions of the G.992.2 and G.994.1 documents. In addition, minor editorial changes were made.
2/9/00	5	Changes made according to contribution 036, Annex B and C were deleted. Editing errors were corrected. Correction of changes made according to contribution 036, editing corrections.
3/13/00	6	Minor editing (cover page, version number, use of proforma, spacing, italics, page breaks, grammar). Deletion of editing notes for references (addressed during 11/99 and 2/00 meetings).

2. Introduction

The DSL Forum testing and interoperability working group is working on the development of an ADSL ICS (ADSL Implementation Conformance Statement).

The ADSL ICS can be used for several purposes:

1. As a starting document used by two equipment vendors to qualify their respective implementations and to determine their degree of interoperability.
2. As a guide for selection of the appropriate test cases to build a test suite.
3. For self-verification or certification of compliance with a specific standard, when comparing to an ADSL ICS filled out with the requirements of this standard.

When this proforma list is filled out by both parties and a match is obtained, then interoperability should be possible. Having a match for Interoperability does not imply that the systems are [ITU-T G.992.2 (G.lite)] compliant.

3. Scope

This Working Text presents an ADSL ICS list targeting an [ITU-T G.992.2 (G.lite)] compliant system. This ADSL ICS contains an ICS for an ATM based implementation.

The format of the ADSL ICS is according to the guidelines specified in [ETR212]. [ETR212] also references [IEC9646].

ANNEX A contains the Physical Layer ADSL ICS.
ANNEX A can be used as a Proforma.

4. A guide to the use of the ADSL ICS Proforma

4.1 Abbreviations and conventions

The information in this document is comprised of information in tabular form in accordance with the guidelines of [ETR212] and [IEC9646]. A detailed description of how to create or fill out the ICS can be found in these documents.

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). It implicitly means "is <item description> supported by the implementation?".

Status column

The following notations, defined in [IEC 9646], 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.
x	prohibited (excluded) - there is a requirement not to use this capability in the given context.
o.i	qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.

NOTE: In the case where items of the group do not always belong to the same table, all o.i shall be defined in the last sub clause of the ICS Proforma.

ci	conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.
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Reference column

The reference column makes references to [ITU-T G.992.2 (G.lite)], 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 [IEC 9646], 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).

Values allowed column

The values allowed column contains the type, the list, the range, or the length of values allowed. The following notations are used:

- range of values: <min value> .. <max value>
example: 5 .. 20

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