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STANDARD

**ISO/IEC**  
**10279**

First edition  
1991-10-15

**AMENDMENT 1**  
1994-12-15

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**Information technology — Programming  
languages — Full BASIC**

**AMENDMENT 1: Modules and single character  
input enhancement**

iTech STANDARD PREVIEW  
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ISO/IEC 10279:1991/Amd 1:1994  
*Technologies de l'information — Langages de programmation — Full BASIC*  
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*AMENDEMENT 1: Mise en valeur d'entrée de modules et de caractère unique*



Reference number  
ISO/IEC 10279:1991/Amd.1:1994(E)

## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to International Standard ISO/IEC 10279:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee 22, *Programming languages, their environments and system software interfaces*.

Annex A of this amendment is for information only.

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## Introduction

This amendment is designed to promote the interchangeability of BASIC programs among a variety of automatic data processing systems that utilize the individual character input and module features. It is an enhancement to ISO/IEC 10279 and shall be used in conjunction with ISO/IEC 10279. This amendment is derived from the American National Standard X3.113A-1989.

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# Information technology — Programming languages — Full BASIC —

## AMENDMENT 1: Modules and single character input enhancement

### 1 Scope

This Amendment establishes

- the syntax of programs written using individual character input, or modules, or both;
- the semantic rules for interpreting the meaning of a BASIC program that uses individual character input, or modules, or both;
- errors and exceptional circumstances to be detected and also the manner in which such errors and exceptional circumstances are to be handled.

### 2 Specific changes

Page 1

Clause 1, paragraph 3, replace by:

“This International Standard specifies its own conformance subsets, which include those specified in ANSI X3.113–1987, ANSI X3.113A–1989 and ECMA–116.”

Clause 2, add the following reference:

“ANS X3.113A-1989: *Addendum for individual character input and modules.*”

Page 1

Subclause 3.1, paragraph 1, replace the first sentence by:

“Apart from the conformance rules the technical content of this International Standard is defined in part from Sections 3 to 18 of ANS X3.113–1987 and its Addendum.”

Page 2

Subclause 4.1, add the following four new conformance modules:

- p) An *individual character input* module, which encompasses all programs whose syntax conforms to ANS BASIC Addendum Section 17, together with the *core*.
- q) An *individual character input subset* module, which encompasses all programs whose syntax conforms to ANS BASIC Addendum Section 17, together with the *subset core*.

- r) A *modules* module, which encompasses all programs whose syntax conforms to ANS BASIC Addendum Section 18, together with the *core*.
- s) A *modules subset* module, which encompasses all programs whose syntax conforms to ANS BASIC Addendum Section 18, together with the *subset core*.

(Note: See Annex A for the relationship between these conformance modules and the conformance modules defined in ANS X3-113A-1989.)

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**Annex A**  
(informative)

**Relationship of this amendment to ANSI and ECMA standards**

It is the intention of this amendment that all programs and implementations that conform to the Addendum to ANS BASIC, X3.113A-1989, shall automatically conform to this amendment.

In addition to the conformance modules defined in ISO/IEC 10279, this amendment contains four new conformance modules. Of these, modules p) and r) correspond, respectively, to modules (7) and (8) in the Addendum to ANS BASIC.

None of these new conformance modules corresponds to conformance modules in ECMA BASIC, ECMA-116, inasmuch as ECMA BASIC does not include definitions for individual character input or for modules.

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