

ISO/IEC 10206:1991-04 (E)

Information technology; programming languages; extended PASCAL

Contents		Page
Introduction		VI
1	Scope	1
2	Normative reference	1
3	Definitions	1
3.1	Dynamic-violation.....	2
3.2	Error	2
3.3	Extension	2
3.4	Implementation-defined	2
3.5	Implementation-dependent	2
3.6	Processor	2
4	Definitional Conventions	2
5	Compliance	3
5.1	Processors	4
5.2	Programs	5
6	Requirements.....	5
6.1	Lexical tokens.....	5
6.1.1	General	5
6.1.2	Special-symbols	6
6.1.3	Identifiers	6
6.1.4	Remote-directives	6
6.1.5	Interface-directives	7
6.1.6	Implementation-directives	7
6.1.7	Numbers	7
6.1.8	Labels	8
6.1.9	Character-strings.....	8
6.1.10	Token separators	9
6.1.11	Lexical alternatives	9
6.2	Blocks, scopes, activations, and states	10
6.2.1	Blocks.....	10
6.2.2	Scopes.....	10
6.2.3	Activations	13
6.2.4	States.....	15
6.3	Constants	16
6.3.1	General	16
6.3.2	Example of a constant-definition-part.....	17
6.4	Types and Schemata.....	17
6.4.1	Type-definitions	17
6.4.2	Simple-types	19
6.4.3	Structured-types.....	24
6.4.4	Pointer-types.....	32
6.4.5	Compatible types.....	33
6.4.6	Assignment-compatibility	33
6.4.7	Schema-definitions	34
6.4.8	Discriminated-schemata	35
6.4.9	Type-inquiry	36
6.4.10	Example of a type-definition-part	36
6.5	Declarations and denotations of variables	38

6.5.1	Variable-declarations	38
6.5.2	Entire-variables	39
6.5.3	Component-variables	39
6.5.4	Identified-variables	41
6.5.5	Buffer-variables	41
6.5.6	Substring-variables	42
6.6	Initial states	42
6.7	Procedure and function declarations	43
6.7.1	Procedure-declarations.....	43
6.7.2	Function-declarations	45
6.7.3	Parameters	48
6.7.4	Required procedures and functions	56
6.7.5	Required procedures.....	56
6.7.6	Required functions	63
6.8	Expressions.....	69
6.8.1	General.....	69
6.8.2	Constant-expressions	71
6.8.3	Operators	71
6.8.4	Schema-discriminants	75
6.8.5	Function-designators	76
6.8.6	Function-accesses	76
6.8.7	Structured-value-constructors	78
6.8.8	Constant-accesses	80
6.9	Statements.....	82
6.9.1	General.....	82
6.9.2	Simple-statements	82
6.9.3	Structured-statements	84
6.9.4	Threats	90
6.10	Input and Output.....	91
6.10.1	The procedure read	91
6.10.2	The procedure readln	92
6.10.3	The procedure write	93
6.10.4	The procedure writeln	96
6.10.5	The procedure page	97
6.11	Modules	97
6.11.1	Module-declarations.....	97
6.11.2	Export-part.....	99
6.11.3	Import-specifications	100
6.11.4	Required Interfaces	102
6.11.5	Example of a module.....	102
6.11.6	Examples of program-components that are module-declarations.....	104
6.11.7	Example of exporting a range of enumerated-type values III	
6.12	Main-program-declarations	112
6.13	Programs	114
Annexes Annex A Collected syntax.....		116
Annex B Incompatibilities with Pascal Standards		176
Annexe Required identifiers		177
Annex D Errors and dynamic-violations		178
Annex E Implementation-defined features.....		186
Annex F Implementation-dependent features		189
Annex G Bibliography		191
Index		192