Nascom Documentation Library – Blue Label Pascal

User manual

0. Introduction
1. The Command Mode
2. Loading and saving source texts
    2.1 The SAVE command
    2.2 The LOAD command
    2.3 The VERIFY command
3. The Editor
    3.1 Editing commands
    3.2 Cursor movement commands
    3.3 Block commands
    3.4 Search commands
    3.5 Tabulator commands
    3.6 Other editor commands
4. The Compiler
    4.1 The COMPILE command
    4.2 The RUN command
    4.3 The TAPE command
    4.4 The FIND command
5. Miscellaneous commands
    5.1 The MEMORY command
    5.2 The ZAP command
    5.3 The QUIT command
Appendix A: System startup
Appendix B: System workspace
Appendix C: Memory maps
Appendix D: The user defined output routine
Appendix E: Command summary

Programming manual

0. Introduction
1. Basic Elements of the language
    1.1 Symbols
    1.2 Reserved words and standard identifiers
    1.3 Seperators
2. User defined elements
    2.1 Identifiers

2.2 Numbers
2.3 Strings
2.4 Comments
3. Data types
3.1 Integers
3.2 Reals
3.3 Booleans
3.4 Strings
3.5 Arrays
3.5.1 The mem array
4. The declaration part
4.1 Label declaration part
4.2 Constant definition part
4.3 Variable declaration part
4.4 Procedure and function declaration part
5. Expressions
5.1 The operator NOT
5.2 Multiplying operators
5.3 Adding operators
5.4 Relational operators
5.5 Function designators
6. Statements
6.1 Simple statements
6.1.1 Assignment statements
6.1.2 Procedure statements
6.1.3 GOTO statements
6.1.4 INIT statements
6.1.5 Empty statements
6.2 Structured statements
6.2.1 Compound statements
6.2.2 Conditional statements
6.2.2.1 IF statements
6.2.2.2 CASE statements
6.2.3 Repetitive statements
6.2.3.1 WHILE statements
6.2.3.2 REPEAT statements
6.2.3.3 FOR statements
7. Procedures
7.1 Procedure declarations
7.1.1 Procedure heading
7.1.2 The declaration part
7.1.3 The statement part
7.2 Standard procedures
8. Functions
8.1 Function declarations
8.1.1 Function heading
8.1.2 The declaration part
8.1.3 The statement part
8.2 Standard functions
8.2.1 Arithmetic functions

8.2.2 Integer functions
8.2.3 String functions
8.2.4 Transfer functions
8.2.5 Further standard functions
9. Parameters
9.1 Formal and actual parameters
9.2 Parameter types
9.2.1 Value parameters
9.2.2 Variable parameters
9.3 Rules applying to parameters
10. Input and Output
10.1 Input
10.1.1 The procedure read
10.1.2 The procedure readln
10.2 Output
10.2.1 The procedure write
10.2.2 The procedure writeln
10.3 Saving and loading arrays
10.3.1 The procedure save
10.3.2 The procedure load
Appendix A: BLS Pascal syntax
Appendix B: Some useful routines
Appendix C: The system workspace
Appendix D: Internal data format
Appendix E: Machine code subroutines
Appendix F: Benchmark tests
Appendix G: Compiler error messages
Appendix H: Runtime error messages