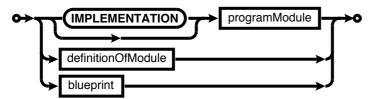
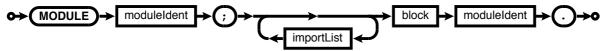
Appendix B: Syntax Diagrams

B.1 Non-Terminal Symbols

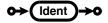
#1 Compilation Unit



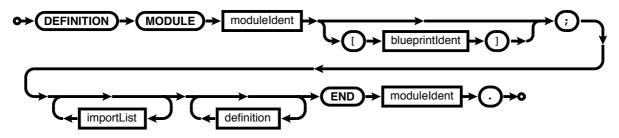
#2 Program Module



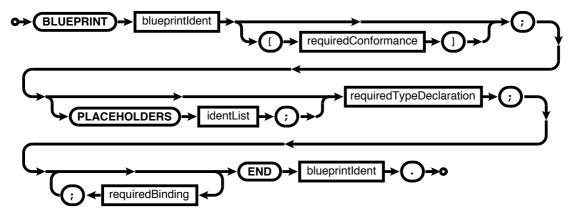
#2.1 Module Identifier



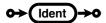
#3 Definition Of Module



#4 Blueprint



#4.1 Blueprint Identifier



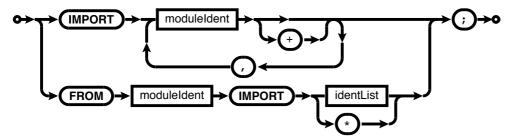
#4.2 Required Conformance



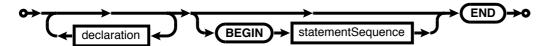
#4.3 Required Binding



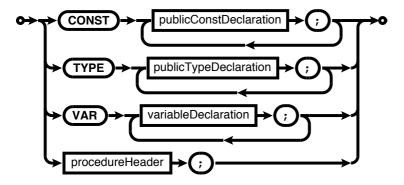
#5 Import List



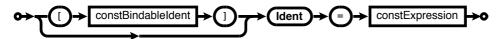
#6 Block



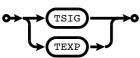
#7 Definition



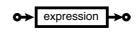
#8 Public Constant Declaration



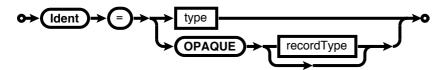
#8.1 CONST Bindable Identifier



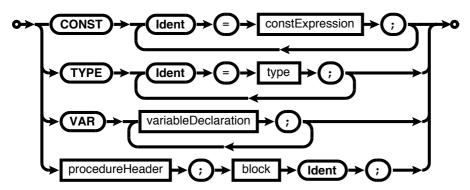
#8.2 Constant Expression



#9 Public Type Declaration

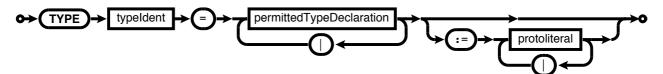


#10 Declaration

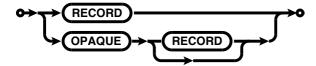


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#11 Required Type Declaration



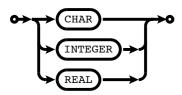
#12 Permitted Type Declaration



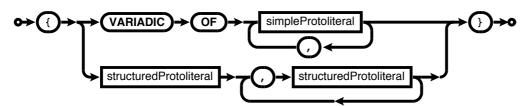
#13 Proto-Literal



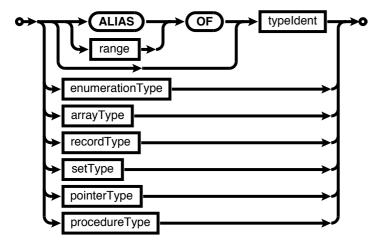
#13.1 Simple Proto-Literal



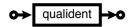
#14 Structured Proto-Literal



#15 Type



#15.1 Type Identifier



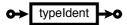
#16 Range



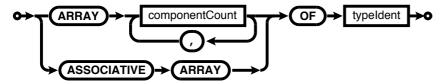
#17 Enumeration Type



#17.1 Enumeration Base Type



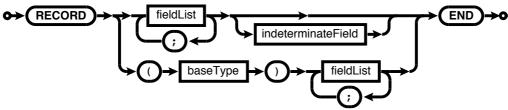
#18 Array Type



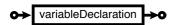
#18.1 Component Count



#19 Record Type



#19.1 Field List



#19.2 Base Type



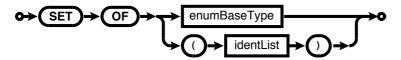
#20 Indeterminate Field



#20.1 Discriminant Field Identifier



#21 Set Type



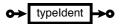
#22 Pointer Type



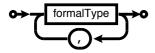
#23 Procedure Type



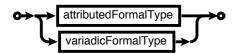
#23.1 Returned Type



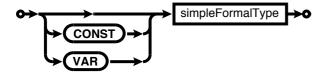
#24 Formal Type List



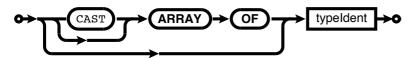
#25 Formal Type



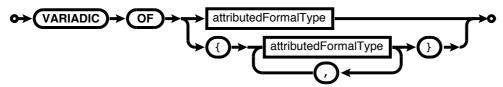
#26 Attributed Formal Type



#27 Simple Formal Type



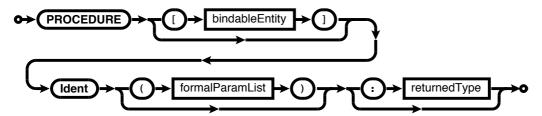
#28 Variadic Formal Type



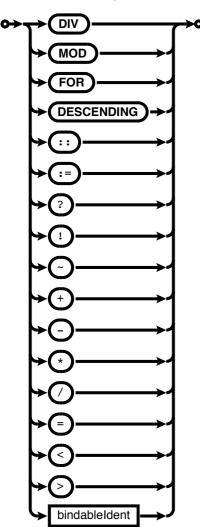
#29 Variable Declaration



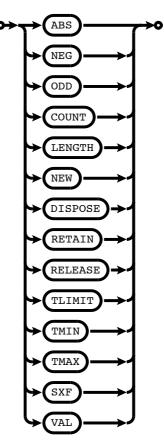
#30 Procedure Header



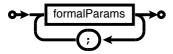
#31 Bindable Entity



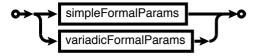
#31.1 Bindable Identifier



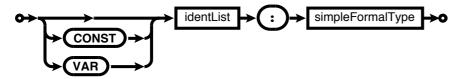
#32 Formal Parameter List



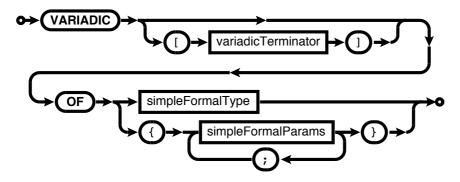
#33 Formal Parameters



#34 Simple Formal Parameters



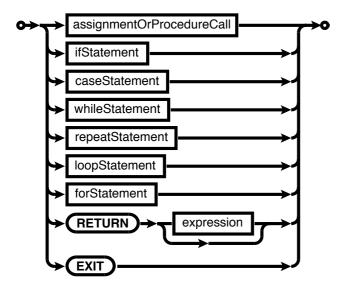
#35 Variadic Formal Parameters



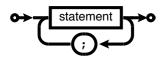
#35.1 Variadic Terminator



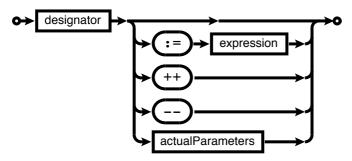
#36 Statement



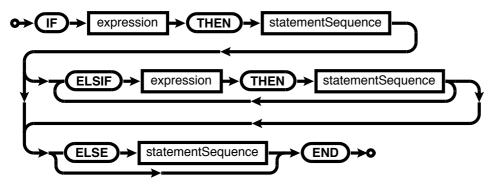
#37 StatementSequence



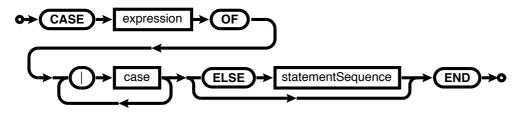
#38 Assignment Or Procedure Call



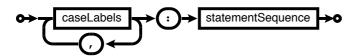
#39 IF Statement



#40 CASE Statement



#41 Case



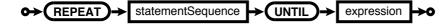
#42 Case Labels



#43 WHILE Statement



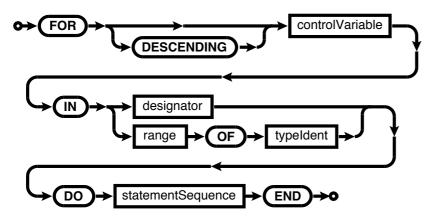
#44 REPEAT Statement



#45 LOOP Statement



#46 FOR Statement



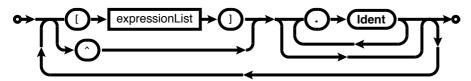
#46.1 Control Variable



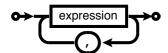
#47 Designator



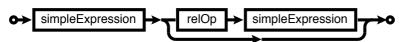
#48 Designator Tail



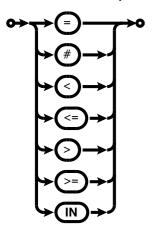
#49 Expression List



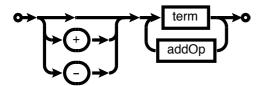
#50 Expression



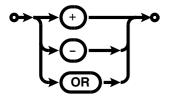
#50.1 Relational Operator



#51 Simple Expression



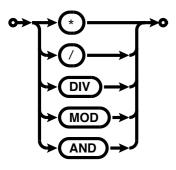
#51.1 Add Operator



#52 Term



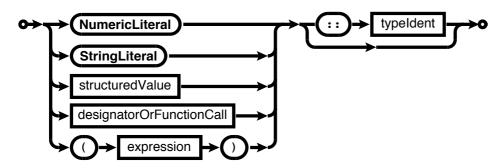
#52.1 Multiply Operator



#53 Factor Or Negation



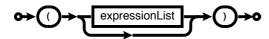
#54 Factor



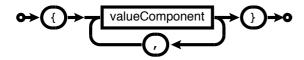
#55 Designator Or Function Call



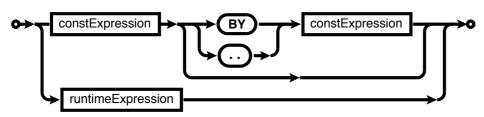
#56 Actual Parameters



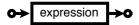
#57 Structured Value



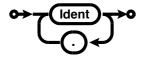
#58 Value Component



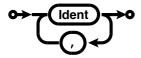
#58.1 Runtime Expression



#59 Qualified Identifier

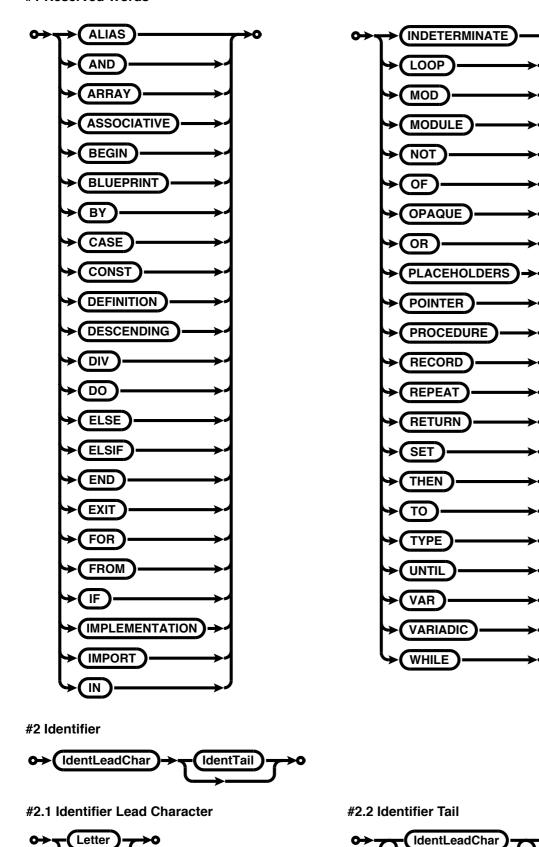


#60 Identifier List



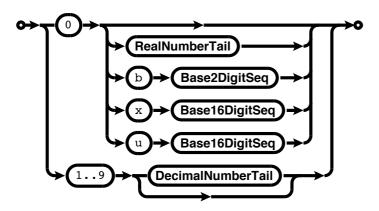
B.2 Terminal Symbols

#1 Reserved Words

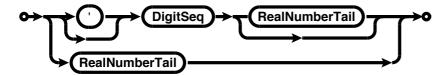


Digit

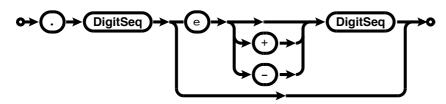
#3 Numeric Literal



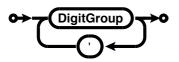
#3.1 Decimal Number Tail



#3.2 Real Number Tail



#3.3 Digit Sequence



#3.4 Base-2 Digit Sequence



#3.5 Base-16 Digit Sequence



#3.3b Digit Group



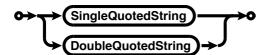
#3.4b Base-2 Digit Group



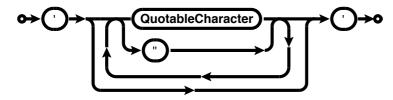
#3.5b Base-16 Digit Group



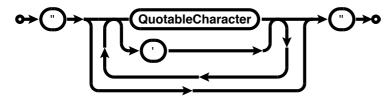
#4 String Literal



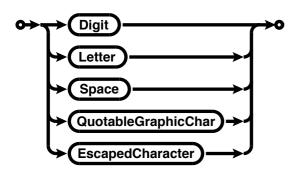
#4.1 Single Quoted String



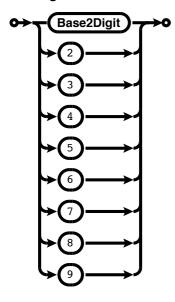
#4.2 Double Quoted String



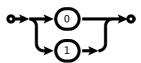
#4.3 Quotable Character



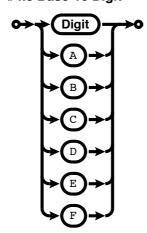




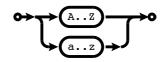
#4.5 Base-2 Digit



#4.6 Base-16 Digit



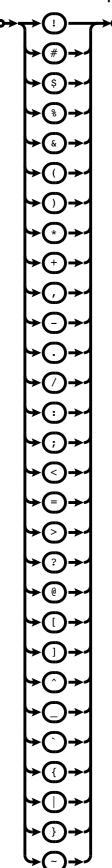
#4.7 Letter



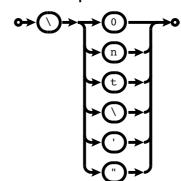
#4.8 Space

CONST Space = CHR(32)

#4.9 Quotable Graphic Character



#4.10 Escaped Character



Status: January 30, 2013

B.3 Ignore Symbols

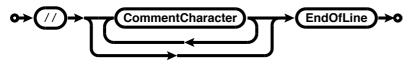
#1 Whitespace



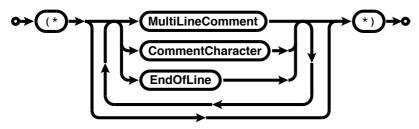
#1.1 ASCII Tabulator

CONST ASCII_TAB = CHR(8)

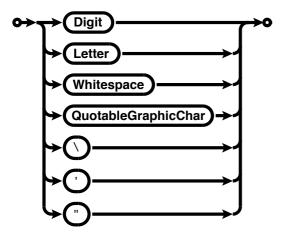
#2 Single-line Comment



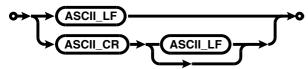
#3 Multi-line Comment



#3.1 Comment Character



#4 End Of Line Marker



#4.1 ASCII Line Feed

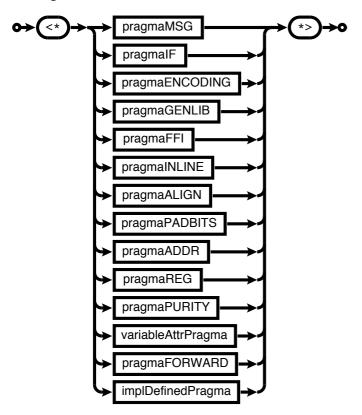
CONST ASCII_LF = CHR(10)

#4.2 ASCII Carriage Return

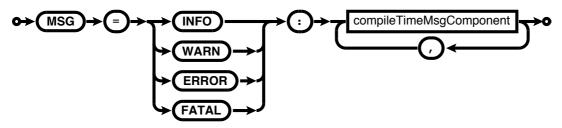
CONST ASCII_CR = CHR(13)

B.4 Pragma Grammar

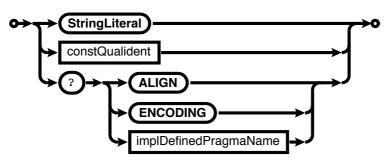
#1 Pragma



#2 Body Of Compile Time Message Pragma

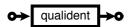


#3 Compile Time Message Component



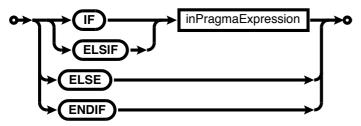
#3.1 Constant Qualified Identifier

#3.2 Implementation Defined Pragma Name

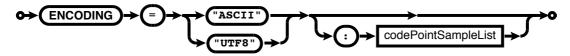




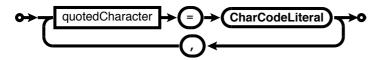
#4 Body Of Conditional Compilation Pragma



#5 Body Of Character Encoding Pragma

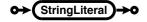


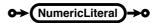
#6 Code Point Sample List



#6.1 Quoted Character

#6.2 Character Code Literal

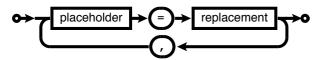




#7 Body Of Library Template Expansion Pragma



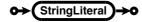
#8 Template Parameter List



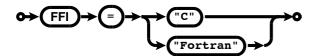
#8.1 Placeholder

#8.2 Replacement





#9 Body Of Foreign Function Interface Pragma



#10 Body Of Procedure Inlining Pragma



#11 Body Of Memory Alignment Pragma



#12 Body Of Bit Padding Pragma



#13 Body Of Memory Mapping Pragma



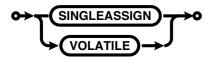
#14 Body Of Register Mapping Pragma



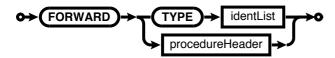
#15 Body Of Purity Attribute Pragma



#16 Body Of Variable Attribute Pragma



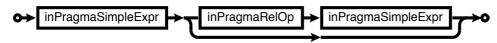
#17 Body Of Forward Declaration Pragma



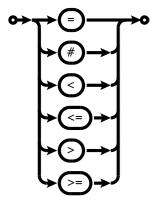
#18 Body Of Implementation Defined Pragma



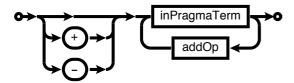
#19 In-Pragma Expression



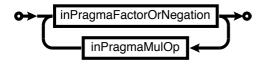
#19.1 In-Pragma Relational Operator



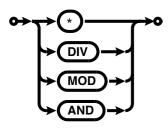
#20 In-Pragma Simple Expression



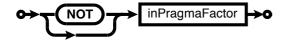
#21 In-Pragma Term



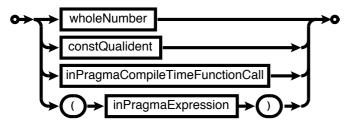
#21.1 In-Pragma Multiply Operator



#22 In-Pragma Factor Or Negation



#23 In-Pragma Factor



#23.1 Whole Number



#24 In-Pragma Compile-Time Function Call

