

Release Notes  
ATLAS Compiler  
ATLAS Release 3.24.21 (20091202)  
02 December 2009

## 1.0 Overview

The following describes an overview of changes included within version 20091202 (3.24.21) of the following 1985 ATLAS based compiler.

### CASS / PC

#### 1.1 Enhancements

None

#### 1.2 Issues

1.4.5, 1.15.7, 1.21.1 and 1.25.1

## 2.0 Detailed Description

### 2.1 Issues

#### 2.1.1 Issue 1.4.5 "GATED FROM" location in a statement

The "GATED FROM" construct had to be just before CNX before the compiler would accept it. The compiler was changed to enable accepting "GATED FROM" as part of the loop that processes modifiers.

#### 2.1.2 Issue 1.15.7 WAVE-LENGTH modifier accepts both numbers and non number

The "WAVE-LENGTH" modifier accepts both numbers and non numbers in the dimension field. We have implemented the descriptor modifier (non number) as "WAVE-LENGTH-BAND". When the compiler sees WAVE-LENGTH with the non number dimensions such as "WL1P9" or "WL1P064" it changes "WAVE-LENGTH" to "WAVE-LENGTH-BAND". The CIIL produced is "WAVB" instead of "WAVE" in these instances. So, the CIIL "WAVE" (for WAVE-LENGTH) will be generated when the dimension is a number and the CIIL "WAVB" (for WAVE-LENGTH-BAND) will be generated when the dimension is a non number. The "Device Database" should use the modifier "wave-length" for number dimensions and the modifier "wave-length-band" for non numeric dimensions.

#### 2.1.3 Issue 1.21.1 "NONE" not accepted in PERFORM for connections

The compiler did not understand "NONE" in the PERFORM statement when it was passed for a connection field. The compiler was expecting "X-X" format. The compiler has been modified to accept "NONE" in a PERFORM for a connection field argument.

#### 2.1.4 Issue 1.25.1 Digital field expected but declared as a Decimal

The compiler expected the variable for the "RESP" modifier to be a digital declaration. Therefore, it issued a message that a digital argument was expected. The compiler now accepts a decimal variable argument for the "RESP" modifier.