

Release Notes
ATLAS Compiler
Release
ATLAS Release 20071025 (3.23.40)
25 October 2007

1 Overview

The following describes an overview of changes included within version 20071025 (3.23.40) of the following ATLAS compiler(s)

IEEE716.89	/ All Stations
IFTE	/ PAWS
ESTS	/ PAWS
IEEE716	/ PAWS
IEEE716	/ ELECTRONIK
IEEE416	/ PAWS
IEEE416	/ CRATE
CRATE	/ CAT
CRATE	/ RADCOM

and version 20071025 (3.23.40) of the following ATLAS support tools.

Signal Resource Allocator
Lexical Set Builder

1.1 Enhancements

None

1.2 Problem Reports

07-059, 07-066 and 07-071

2.0 Detailed Description

2.2 Problem Reports

2.2.1 07-059 – CRC information for lexset identification

The Lexical Set Builder was modified to insert CRC information into the lexical set. Changes were also made to the Signal Resource Allocator to accommodate this CRC capability. Changes were made in a backward compatible manner to enable both newly built lexsets and previously built lexsets to function seamlessly.

2.2.2 07-066 – Leading space problems in ESTS

The ESTS compiler was modified to correct this issue.

2.2.3 07-071 – Large ATLAS source file handling.

The changes made for Problem Report 07-010 in the CASS compiler were expanded to include many other ATLAS compilers. These compilers will allow source files with a maximum size of 128K lines:

IFTE	/ PAWS
ESTS	/ PAWS
IEEE716	/ PAWS
IEEE716	/ ELECTRONIK
IEEE416	/ PAWS
IEEE416	/ CRATE
CRATE	/ CAT
CRATE	/ RADCOM

The following compilers do not support large ATLAS source files. They are restricted to 65535 lines. A fatal error is printed and the compiler exits if the source files exceed 65535 lines:

IEEE716.89	/ All Stations
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