



ACE Structural Engineering Applications LLC

ACE FrameWorks Utilities

Mar 15, 2013 (R07413) Release Notes

Mar 15, 2013

Currently the ACE FrameWorks Utilities are available in nine (9) complete sets for the following FWP releases: FWP 3.1.x.x/3.2.x.x, 7.00.00.00.16 & before, FWP 7.00.00.19 & later, FWP 7.1.x.x/7.2.x.x/7.3.x.x, FWP 8.0.x.x, and FWP 9.0.x.x, FWP 10.0.x.x, FWP 11.0.x.x and FWP 12.0.x.x (NEW with this release). This release R07413 of the ACE FrameWorks Utilities involves all 41 applications (41 existing) for FWP 12.0.x.x and 1 applications (1 existing) for the other 8 sets. In addition, one of the forty-one (1 of 41) previously existing applications have tolerance fixes. All of the documentation changes simply involve changed dates and release numbers for FWP 12.0.x.x set of utilities.

All significant changes to the nine (9) sets of utilities are summarized below.

The changes for the one (1) application (Automated Gusset Plates for Fixed End Beams) are described in detail on pages 2 & 3.

This release document defines the changes for all existing applications, definition files & documentation. These changes are described in the ensuing pages.

Summary of Release R07413 Changes:

Utilities for FWP 12.0.x.x Formally Released

In September 2011 a set of pre-release utilities for FWP 12.0 were placed on ACESEA's pre-release web site – all of the applications had a T1 suffix (referred to as T1 version). In April 12, 2012 the T1 version was replaced by a T2 version. The T1 version broke the undo command and mixed library capabilities (compiler switch errors). There have been no reported errors on the T2 version and thus it is being officially released. The FWP 12.0.x.x set of utilities is officially released with this software release R07413.

Special Notes for using a batch (bat) file with FWP 12.0.x.x running under Windows 7

When running FWP 12.0.x.x in standalone mode under Windows 7 a batch (bat) file must be run as administrator as follows:

To run a batch file (bat file) as administrator, right click the bat file and select "Run as administrator". If this is not done the environment variables set in the bat file (_USTN_USER= etc) will not be set and that cause serious problems (nothing will be found properly). Use the procedure discussed on pages 8 & 11 of the document ACESEAenvironment.pdf to verify that configuration is set properly.

One (1 of 41 existing) Applications with Bug Fixes

Automated Gusset Plates for Fixed End Beams ace_gba.ma

Bug Fix: TOL variable was not being utilized for all bam/column checks – now it is.

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One (1) Applications with Enhancements and/or Bug Fixes Released for all Nine Sets of Utilities

ace_gba.ma

Bug Fix: TOL variable was not functioning correctly – now it is.

Previously the tolerance for beam to column intersection recognition was extremely tight for a specific validity check (did not honor the TOL variable in the DEF file) and thus some valid connections were rejected and thus some fixed end stiffeners were not placed. Structures which were skew to the plant system and had irrational numbers for coordinates were the most likely to experience numerical problems resulting in connection rejection. This has been corrected and now the variable TOL controls tolerance all checks.

Significant Documentation Changes for Existing Applications (release numbers only)

NONE

Definition (DEF) File Changes for Existing Applications (upward/backward compatible)

NONE

Batch & Support File Changes for Existing Applications

NONE

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Summary of Files Released Mar 15, 2013 (07413)

Application	Documentation*	DEF file (English)	DEF file (metric)	Supporting Files
ace_gba.ma	aced_gba.pdf	NA	NA	NA

** Documentation has been revised for all applications to reflect the FWP 12.0.x.x set of utilities – documents listed above have had additional modifications to release number for all versions*

WebSite Software files (www.ACESEA.com/sw)

acefpl32_R07413S.ZIP**	41 ma's FWP 3.1.x.x thru FWP 3.2.x.x
acefpl32_R07413PS.ZIP**	1 ma FWP 3.1.x.x thru FWP 3.2.x.x
acefpl7016_R07413S.ZIP**	41 ma's FWP 7.0.0.0 thru FWP 7.0.0.16
acefpl7016_R07413PS.ZIP**	1 ma FWP 7.0.0.0 thru FWP 7.0.0.16
acefpl70_R07413S.ZIP**	41 ma's FWP 7.0.0.19 and Later
acefpl70_R07413PS.ZIP**	1 ma FWP 7.0.0.19 and Later
acefpl71_R07413S.ZIP**	41 ma's FWP 7.1.x.x thru FWP 7.3.x.x
acefpl71_R07413PS.ZIP**	1 ma FWP 7.1.x.x thru FWP 7.3.x.x
acefpl80_R07413S.ZIP**	41 ma's FWP 8.0.x.x
acefpl80_R07413PS.ZIP**	1 ma FWP 8.0.x.x
acefpl90_R07413S.ZIP**	41 ma's FWP 9.0.x.x
acefpl90_R07413PS.ZIP**	1 ma FWP 9.0.x.x
acefpl100_R07413S.ZIP**	41 ma's FWP 10.0.x.x
acefpl100_R07413PS.ZIP**	1 ma FWP 10.0.x.x
acefpl110_R07413S.ZIP**	41 ma's FWP 11.0.x.x
acefpl110_R07413PS.ZIP**	1 ma FWP 11.0.x.x
acefpl120_R07413S.ZIP**	41 ma's FWP 12.0.x.x
acedefs.zip	All english & metric definition files & supporting files

*** ZIP files include ACEvers.exe & whereami.ma*

The ACESEA software download site also contains this file RelNotes07413.pdf & installation instructions ACDdocWeb.pdf.

The ACESEA software download site also contains ACESEA environment recommendations & tools which are contained in file ACESEAAEnvironment.zip (which contains ACESEAAEnvironment.pdf, ace_def.ma & acedef.dat).

ACESEA Software download instructions are contained in document ACEfplWebDel.pdf.

All documentation is available at www.ACESEA.com.