TYX CORPORATION

Productivity Enhancement Systems

PAWS Studio
Release Notes

Version 1.39.1
February 3, 2011

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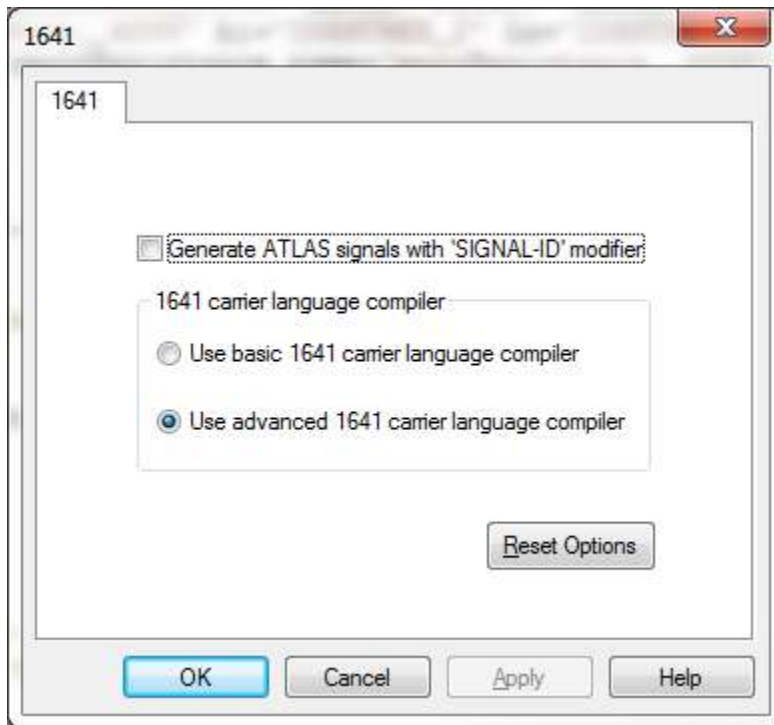# 1   Paws Developer's Studio

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1.1   Critical Items

1.1.1   The distribution of the Basic 1641 Carrier Language Translator Into ATLAS is discontinued (Rq ID 708)

The Basic Translator used to be set up from the Settings of the 1641 module. The property page that used to look like:

is looking like this:

1641

1641

☐ Generate ATLAS signals with 'SIGNAL-ID' modifier

Reset Options

OK   Cancel   Apply   Help

This decision has been taken based on the agreement that the atlas solutions produced by the basic translator were outdated.

1.2 Known Limitations

1.3 Enhancements

1.3.1 The selection of the measured characteristic for 1641 intrinsic sensors is enhanced (ChR ID 714)

The measured characteristic had been always chosen as being the first attribute specified in the 1641 configuration file at the configured signal definition. In the test case that follows,

```
class C
{
    public void main()
    {
        double d;
        <TPL>
        Setup
        <Signal Out="avfreq" xmlns:prf001="STDTSFLib">
          <TwoWire name="conn1" hi="J1" lo="J2" channelWidth="1"/>
          <prf001:AC_SIGNAL name="ref1"/>
          <Average type="Frequency" name="avfreq" In="conn1" As="ref1"
                   samples="1" nominal="range 10 Hz to 1000 Hz"/>
        </Signal>
        as s1;
        Read s1 into d;
        Reset s1;
        </TPL>
    }
```

```
}
```

the chosen measured characteristic was VOLTAGE-AV. Now, in the case of a typed intrinsic Sensor, our 1.39.1 Paws Studio will have its 1641 Carrier Language Translator and TPL into ATLAS choose as measured characteristic the first attribute of the referenced configured signal whose type matches the type of the Sensor. When a match is not found, the first attribute is chosen as measured characteristic. This policy also applies to a typed Measure with no attribute.

In the translation of the non-typed Sensors, the first attribute defined in the 1641 configuration file for the referenced configured signal continues to become the measured characteristic.

The 1641 signal above is getting translated now into:

```
C The following 's1.avfreq' 1641 signal is sensor and its 'AC_SIGNAL' 1641
configuration type has been mapped to the 'AC SIGNAL' atlas noun. $
        SETUP, (FREQ-AV), AC SIGNAL,
            FREQ-AV RANGE 10 Hz TO 1000 Hz,
            CNX ATLAS-SGN-P-HI J1 ATLAS-SGN-P-LO J2 $
…
C The following 's1.avfreq' 1641 signal is sensor and its 'AC_SIGNAL' 1641
configuration type has been mapped to the 'AC SIGNAL' atlas noun. $
        FETCH, (FREQ-AV INTO 'd'), AC SIGNAL,
            FREQ-AV RANGE 10 Hz TO 1000 Hz,
            CNX ATLAS-SGN-P-HI J1 ATLAS-SGN-P-LO J2 $
```

1.4 Problem Reports

1.4.1 PR 11001 The PLI.exe fails to use the c:\usr\tyx\tmp folder as temporary folder (BugID 691)

When the folders settled by the environment variables TEMP and TMP are not available, the PLI.exe is supposed to use the c:\usr\tyx\tmp folder as its temporary folder. This issue is connected with the FAQ present at http://www.tyx.com/faq.html#mktemp .

2   Run Time System

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2.1   Critical Items

2.2   Known Limitations

2.3   Enhancements

2.3.1   The ATML Test Results Datalogger implements IDispatch (Bug ID 700)

This enhancement allows a client to have access and configure the properties of this data logger, through our RTS adapters. SigBase uses this fix to configure the ATML Test Results Datalogger to generate its test results files in the export to Paws Studio folder.

When the exported Paws Studio folder does not exist, it is created without reporting this as an error.

2.3.2   The failure of writing to the c:\Windows\HTMLDlogGui.ini is hidden (ChR ID 699)

This problem became apparent once the Windows Vista and Windows 7 were introduced. The previously default access to the c:\windows folder was not granted anymore. This ini file used to save the information about the user, UUT, ATE station at the beginning of project loading. This data would have been offered as default to the next rub time system execution session.

Not being able to save this info in the c:\windows area does not have big impact on our software functionality.

2.3.3   Test Diagram Explorer unable to recognize tdd documents(Bug ID 711)

Our Test Diagram Explorer was unable to distinguish between the .tdd files that result from the execution of Paws Studio Test Diagram Generator and the .tdd files that represent SigBase Projects. This problem was resolved.

2.4   Problem Reports