ProSoft Technology Product Update Notice

Subject   **PTQ-PDPMV1 Product enhancement**

Contents   PROFIBUS DP-V1 technical and commercial resolutions.
- Introduction and support of Unity Pro XL Functional Module
- Introduction of new Mailbox Messaging Function blocks
- Support of separate data types for Mailbox Messaging, Status and Cyclic data
- New sample processor files for xfm and xsy file types
- PROFIBUS comDTM now availble at no charge and shipped with each PDPMV1 unit
- Structured automatic creation of Unity Pro XL and Concept, PTQ module and GSD files.
- New ProSoft Technology Configuration Builder (PCB) Readme files availble on the PCB downlaod WEB Site. (Learn whats new about the PCB)
- Copy configuration files to a Compact Flash drive

Firmware Release
<Currently Shipping>
- ProSoft Technology Configuration Builder, PCB version 2.0.4.22.0008
- PTQ-PDPMV1 Module Firmware 1.15, Backplane 2.14
- PTQ-PDPMV1 Master Firmware 2.70

Appendix

Concerns   Channel Sales and Technical Support / Managers

Released   2nd Quarter 2007

* Turning ON or OFF Acyclic Mailbox Messaging. This new enchanment will allow the user to save processor memory space when PROFIBUS acyclic mesaging is not required.

* Automatic Slave Diagnostics. This enhancement will allow the user to turn ON or OFF the generation of PROFIBUS Standard 6 byte slave diagnostics with the input status data type. The PTQ-PDPMV1 module will automaticlay generate 'Get Slave Diagnostics' message and report the diagnostics in the input status block.

ProSoft Configuration Builder Read Me.htm

At the request of UAG group (Unity Appication Generator) Unity Pro XL export, PROFIBUS Network, GSD, PTQ module and Master configuration files are automatically created when closing the PCB project. The file folder structure for these files are as follows :

Exit PCB and confirm that the changes will be saved (if the project is not saved then PCB will not export the files).

The folder structure is implemented as follows:

```
{rootdrive}\PCBExportFiles\'ppf name'\'Project
Name'\'Location Name'\'Module Name'\
```

The following files will be created in each folder created by PCB

```
{rootdrive}\PCBExportFiles\'ppf name'\
```

Project ppf file (.ppf)

```
{rootdrive}\PCBExportFiles\'ppf name'\'Project
Name'\'Location Name'\
```

(Concept folder created only for PTQ-PDPMV1 modules)

```
\Concept\.dty, .asc files
```

```
{rootdrive}\PCBExportFiles\'ppf name'\'Project
Name'\'Location Name'\'Module Name'\
```

PROFIBUS xml file *(modulename.xml)* PTQ cfg file (.cfg)

(Unity folder created only for PTQ-PDPMV1 modules)

```
\Unity\Unity xml files (.xsy, .xdb)
```
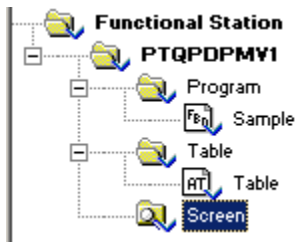
(gsd folder created for all PDPMV1 modules)

```
\gsd\GSD files used for module (.gsd)
```

(Concept folder created only for PTQ-PDPMV1 modules)

```
\Concept\txt files for variables
```

The files can also be exported manually while in PCB, by selecting Projet/Project/Export Files.

This new version of PCB now creates a xfm file used by Unity Pro XL to create a Functional Module.

Two PCB files are now created when the user selects 'Export Processor Files' after creating the PROFIBUS configuration, the xsy and xfm files.
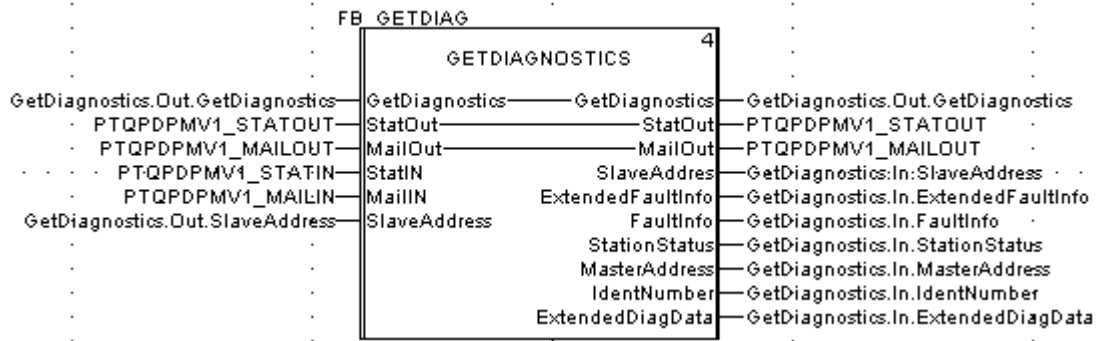
The XSY file imports the cyclci data types and variables with assigned %IW/MW addresses. The XFM creates fucntion blocsks for each the mailbox messages used for acyclic messaging.

The functiona blocks as listed in the below table.

Function Block Name	Description	Trigger
ACYCREAD	Acyclic Read Mailbox	Acyclicread
ACYCLWRITE	Acyclic Write Mailbox	Acyclicwrite
GETALARMS	Alarm Mailbox	-
GETCFG	Get Configuration Mailbox	GetConfig
GETDIAGNOSTICS	Get Diagnostics Mailbox	GetDiagnostics
GETLIVE	Get Live List Mailbox	GetList
SETADDRESS	Set Slave Address Mailbox	SetAddress
SETOPERMODE	Set Operating Mode Mailbox	SetOperate, SetStop, SetClear
SETSLMODE	Set Slave Mode Mailbox	SetSlaveMode
STARTSLAVE	Set start slaves Dynamically	StartSlaves
STOPSLAVE	Set Stop Slaves Dynamically	StopSlaves

For additonal information, please review the new PTQ-PDPMV1 manual availble from the ProSoft Technology WEB site.

Sample Function Block

New data types are created to allow for better flexiblity and break down the previous large data type into three input and three output types as follows :

PTQPDPMV1_StatOut	PTQPDPMV1_StatOutF	%MW1
PTQPDPMV1_StatIn	PTQPDPMV1_StatInF	%IW1
PTQPDPMV1_MailOut	PTQPDPMV1_MailOutF	%MW7
PTQPDPMV1_MailIn	PTQPDPMV1_MailInF	%IW79
PTQPDPMV1_DataOut	PTQPDPMV1_DataOutF	%MW151
PTQPDPMV1_DataIn	PTQPDPMV1_DataInF	%IW223

To allow for convience, the PCB now allow the user to directly write to a CF writer. The user can simply remove the personality moduel (CF Card) from the PTQ module and insert into a CF

read/writer. Now the user only needs a few spare CF's to create and save the new configuration to later insert into production modules.

For any other information, please contact ProSoft Technology, or visit the ProSoft Technology Web site at the following address : http://www.prosoft-technology.com/

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