RELEASE INFORMATION

Project name		Project No
ABC DF1, Master, Generic		7061
Software	Software version	Release date
Application	Version 3.03.01_A	2014-12-02

This release contains:

- This document

- Application code –

  - APP_ABC_MASTER_V_3_03_01.a37

  - APP_ABC_GENERIC_V_3_03_01.a37

  - APP_ABC_DF1_V_3_03_01.a37.

- Application + Bootloader Binary files –

  - ABC_MASTER_V_3_03_01.bin

  - ABC_GENERIC_V_3_03_01.bin

  - ABC_DF1_V_3_03_01.bin

- Application code, formatted for ACM –

  - APP_ABC_MASTER_V_3_03_01_stamped.a37

  - APP_ABC_GENERIC_V_3_03_01_stamped.a37

  - APP_ABC_DF1_V_3_03_01_stamped.a37.

- Boot loader (two file types):

  - Bootloader file – BL_ABC_3_1.a37, not updated in this release.

- Configuration files –

  - CANopen –

    - ABC_CANOPEN_V_3_17.eds

    - ABC_CANOPEN_V_3_17_COMPACTSUB.eds

  - CC-Link IE –

    - 0212_Anybus_Communicator_3.03.01_en.cspp

    - hms_anybus.ico

    - hms_anybus.png

  - ControlNet –

    - 005A000C004C0300.EDS

  - DeviceNet –

    - 005A000C003C0300.EDS

  - EtherCAT –

    - ABC_ETHERCAT_V_3_03.xml

  - EtherNet/IP 1-port –

    - 005A000C004D0300.EDS

  - EtherNet/IP 2-port –

    - 005A000C00540300.EDS

  - PROFIBUS –

RELEASE INFORMATION

Project name		Project No
ABC DF1, Master, Generic		7061
Software	Software version	Release date
Application	Version 3.03.01_A	2014-12-02

- ▪ HMSB1803.gsd

     o PROFINET IO –

- ▪ GSDML-V2.3-HMS-ABC_PROFINET_IO-20141127.xml

- ▪ GSDML-010C-0002-ABC-PRT.bmp

     o PROFINET IRT –

- ▪ GSDML-V2.3-HMS-ABC_PROFINET_IRT-20141127.xml

- ▪ GSDML-010C-0013-ABC-PIR.bmp

Reason for release:

Added support for PROFINET IRT and CC-Link IE. Bug fixes.

Supported hardware:

Application Firmware can be downloaded to ABC hardware with PCBs marked 3299.

Bootloader BL_ABC_3_1.a37 (to be used with Flash Memory SST39SF010).

How to upgrade from previous versions:

It is very important that the following steps are performed in correct order, otherwise the module may be unusable and must be sent back to HMS for recover.

Firmware upgrade:
1. Start the Firmware Download Tp program.
2. Choose Interface from the menu and select Anybus-C
3. Choose Change path from the menu and select the appropriate path
4. Choose Configure and change download target to Carrierboard
5. Press Start
6. If the download succeeded a window will appear with Transfer OK
7. Update complete!

Known limitations:

The following open issues are known in the module:

- When a configuration is downloaded to the ABC, no comparison is made with the mounted ABS, therefore the configuration is always accepted. Even though the fieldbus parameter differ from the ABS-module which is mounted. *Internal ID: 0004877.*

RELEASE INFORMATION

Project name ABC DF1, Master, Generic	Project No 7061
Software Application	Software version Version 3.03.01_A	Release date 2014-12-02

Updated in version 3.03:

- New functionality

  - Added support for PROFINET IRT.

  - Added support for CC-Link IE.

- Improved functionality

  - **N/A**

- Bug fixes

  - Generic mode

    - TA1839 - Mantis ID: 0011208. Maximum length of variable consume transaction is set to 256. Greater lengths could cause memory conflicts.

- Other changes

RELEASE INFORMATION

Project name		Project No
ABC DF1, Master, Generic		7061
Software	Software version	Release date
Application	Version 3.03.01_A	2014-12-02

Updated in version 3.01:

- New functionality

  - Added support for Ethernet/IP 2 port.

- Improved functionality

  - **N/A**

- Bug fixes

  - **Can't read MACID from ModbusTCP products in production** – Support for reading MACID now added for ModbusTCP . *Internal ID: 0007596..*

- Other changes

  - Exchanged upper case letters to lower case in file-names. New Make routine. One release label for all protocol from now on. Added Debug-object (removed by define).

- Current fieldbus interface (Anybus-S) modules included in this release

Fieldbus	Fieldbus Interface module (Anybus-S) version	Configuration file version
Profibus	2.04	1.83
DeviceNet	2.06	2.26
Ethernet	2.04	2.02
ControlNet	1.54	1.76
CANopen	4.61	3.17
Profinet	5.00	2.03
EtherCAT	2.00	3.01
CC-Link	2.00	No configuration file used
FIPIO	1.00	No configuration file used
Interbus	1.10	No configuration file used
Modbus-RTU	1.05	No configuration file used
Modbus-Plus	1.01	No configuration file used
Ethernet/IP 2port	1.07.02	1.02

Updated in version 2.03:

- New functionality

  - **N/A**

- Improved functionality

  - **N/A**

- Bug fixes

  - **RS485 does not work** – The receiver was not disabled during transmission and this gave local echo of all transmitted data. The software now disables receive during transmission if RS485 is used. *Internal ID: 0006311.*

- Other changes

  - **N/A**

- Current fieldbus interface (Anybus-S) modules included in this release

Fieldbus	Fieldbus Interface module (Anybus-S) version	Configuration file version
Profibus	2.04	1.82
DeviceNet	2.02	2.25
Ethernet	2.04	1.95
ControlNet	1.53	1.75
CANopen	4.61	3.11
Profinet	5.00	20110509
EtherCAT	2.00	2.02
CC-Link	2.00	1.32
FIPIO	1.00	No configuration file used
Interbus	1.10	No configuration file used
Modbus-RTU	1.05	No configuration file used
Modbus-Plus	1.01	No configuration file used

Updated in version 2.02:

- New functionality

  - **N/A**

- Improved functionality

  - **N/A**

- Bug fixes

  - **CC-Link PLC Profile not working** – A CC-Link configuration for the ABC with profile set to PLC was rejected by the ABC. The software has been fixed and does now accept configurations with profile set to PLC. *Internal ID: 0005033.*

  - **Missing responses** – After a query was sent only one polling for a response was made. Due to that the slave sometimes produced the response in time it looked like a delay. The software now polls for a response until it gets one. *Internal ID: 0005452.*

- Other changes

  - **Firmware version update** – Version number of the firmware has been updated to 2.02.

  - **Updated for CANopen** – File version number and sw version number is updated.

  - **Updated for CC-Link** – DevVer is updated.

  - **Updated for ControlNet** – File revision number and minor sw revision is updated.

  - **Updated for DeviceNet** – File revision number and minor sw revision is updated.

  - **Updated for EtherCAT** –RevisionNo is updated.

  - **Updated for EtherNet/IP** – File revision number and minor sw revision is updated.

  - **Updated for Profibus** – File revision number and software release is updated.

  - **Updated for Profinet** – SoftwareRelease value is updated.

- Current fieldbus interface (Anybus-S) modules included in this release

Fieldbus	Fieldbus Interface module (Anybus-S) version	Configuration file version
Profibus	2.04	1.82
DeviceNet	2.02	2.25
Ethernet	2.04	1.95
ControlNet	1.53	1.75
CANopen	4.61	3.11
Profinet	5.00	20110509
EtherCAT	2.00	2.02
CC-Link	2.00	1.32
FIPIO	1.00	No configuration file used

RELEASE INFORMATION

Project name ABC DF1, Master, Generic	Project No 7061
Software Application	Software version Version 3.03.01_A	Release date 2014-12-02

Fieldbus	Fieldbus Interface module (Anybus-S) version	Configuration file version
Interbus	1.10	No configuration file used
Modbus-RTU	1.05	No configuration file used
Modbus-Plus	1.01	No configuration file used

RELEASE INFORMATION

Project name		Project No
ABC DF1, Master, Generic		7061
Software	Software version	Release date
Application	Version 3.03.01_A	2014-12-02

First release - version 2.01:

- New functionality

  - **N/A**

- Improved functionality

  - **N/A**

- Bug fixes

  - **N/A**

- Other changes

  - **N/A**

Bugs that are found in this software release should be reported back to HMS support department. Report product, software version, configuration, how to reproduce behaviour, and the effects of the bug.