



Test Report - Initial Test

Report Number ASAM C 02090000

0. General Product Data

Manufacturer: ABB Automation Products GmbH
Device Name: Sensyflow P
ASAM Specification: GDI
Version of Specification: 4.1

1. Supported optional API Functions

- GDI_Information Report
- GDI_Accept
- GDI_Status
- GDI_Identify
- asynchronous API calls

2. Restriction in DCD

none

3. Required specific PA Extension

none

4. Special Features

none



5. Test Results

5.1. Test Characteristics - Testcases and Results

<i>Test Characteristic / Testcase</i>	<i>tested¹</i>	<i>Result²</i>
DCD		
SY_DCD - DCD Syntax	x	ok
TY_DEK - Type and name definition	x	ok
KON_DEK - Definition and use of constants	x	ok
FD_DEK - Solve of forward declarations	x	ok
ID - Generation and use of ID for interfaces, modules and operation	x	ok
INITIAL_AREA - Definition and contents of initial area	x	ok
PFLICHT_OP - existence of obligation interfaces and operations	x	ok
PFLICHT_TYPEN - existence of obligation types	x	ok
DIT		
SY_DIT - DIT Syntax	x	ok
FD_AREAS -Solve of predefined areas	x	ok
AR_SA_DCD_DIT - Solve link between DCD and DIT	x	ok
FD_DEK - Solve of forward declarations	x	ok
Source Code		
CODE_DD - ANSI C / C++ compatibility	x	ok
INCLUDE - use of inadmissible library functions	x	(1) (2)
Device Driver		
AF_ATTACH	x	ok
AF_INITIATE_CONTROL_VD	x	ok
AF_ABORT	x	ok
AF_CONCLUDE	x	ok

¹ x for yes space for no

² ok for successful, number for ok with remarks (see number), f for failed



<i>Test Characteristic / Testcase</i>	<i>tested¹</i>	<i>Result²</i>
AF_CDFO	x	ok
AF_CDCO	x	ok
AF_RW	x	ok
AF_EXEC	x	ok
AF_IDENT		
AF_STATUS	x	ok
AF_CANCEL		
AF_VD_STATE	x	ok
I_VD	x	(3)
I_FO	x	ok
I_CO	x	ok
I_CO_WB	x	ok
I_CO_ACCESS	x	ok
I_CO_CONECT	x	(4)
I_INFREPORT		
I_ACCEPT		
I_EXEC	x	ok
PA_IO_INITIATE	x	ok
PA_IO_OPEN	x	ok
PA_IO_CONFIG	x	ok
PA_IO_CLOSE	x	ok
PA_IO_WRITE	x	ok
PA_IO_READ	x	ok
PA_IO_CANCEL	x	(5)
PA_OS_ALLOCATE	x	(5)
PA_OS_FREE	x	(5)
PA_OS_SETTIMER	x	(5)
PA_OS_KILLTIMER	x	(5)
PA_OS_DEBUG	x	(5)
PA_OS_SEMAPHORE	x	ok



6. Additional remarks

- (1) Source code includes file named DLSTD.CPP witch includes inadmissible library function <windows.h>. Project is usable without file DLL.STD.CPP.
- (2) Project contains own files GDI.H and PA.H. File “source\GDISTD\GDISTDINC.H” refer to GDI.H with wrong path (#include "GDI.H") and to PA.H with wrong path (#include "PA.H").
- (3) Maximum Number of Application VD: 1 VD
- (4) Interruption of serial line between device and computer during opened communication caused delay of 15 seconds without error message.
- (5) DD generated no PA Call for this testcase
- (6) Copy of files (source code, DCD DIT) stored in certification center

Tests applied to this device based on terms of certification recognized by ASAM e.V.

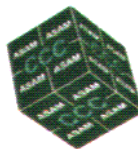
7. Conformance Statement

Test result enables issue of certificate for tested product.

Issue of certificate is recommended

Chemnitz, 14. 08. 2000

Location and date of test



A handwritten signature in purple ink, appearing to read 'Wend'.

Commissioner