

 ASAM	List of Known Issues		
	Standard	ASAM GDI	Version

ID 2756	Title	Uniqueness of JobId
	Description	<p>This CR is feedback from ISO comments.</p> <p>GDI device driver API functions can be called synchronous or asynchronous (e.g. GDI_Execute). In case of asynchronous calls the hJobId is used as identifier for the called function and is passed as parameter when GDI_Complete is called.</p> <p>The JobId handle shall be unique for each open service. This text shall be added at all places of the device driver API in the specification.</p>
ID 2856	Title	Replace Sequence with Choice in CCD
	Description	<p>To store multiple DCDs in a PID and instantiate the contained DCDs in any order, the sequence in the following example has to be replaced with a choice:</p> <pre> 1. <xs:extension base="GDI_CCD"> 2. <xs:sequence maxOccurs="unbounded"> 3. </xs:sequence> 4. </xs:extension> </pre> <p>becomes:</p> <pre> 1. <xs:extension base="GDI_CCD"> 2. <xs:choice maxOccurs="unbounded"> 3. </xs:choice> 4. </xs:extension> </pre>
ID 3660	Title	ComObject Access in Description Interface
	Description	<p>To access an empty PID, the Description Interface defines the following iterators:</p> <pre> DescriptionObjectNavigator: getFirstDriverCD DescriptionObjectNavigator: getNextDriverCD DriverCD: getFirstModuleCD DriverCD: getNextModuleCD ModuleCD: getFirstInterfaceCD ModuleCD: getNextInterfaceCD InterfaceCD: getFirstOperationCD InterfaceCD: getNextOperationCD </pre> <p>The following methods are missing and shall be introduced:</p> <pre> InterfaceCD: getFirstComObjectCD InterfaceCD: getNextComObjectCD </pre> <p>This will be compatible to the runtime side, where a ComObjectIterator exists. Without these methods an access to ComObjects is not possible.</p>
ID 3662	Title	Behavior of getCommObjectCDByFuncMem
	Description	<p>This function is used to iterate over all CommObjects of a FuncObjectCD. To avoid exceptions, the following should be added into the return value</p>



List of Known Issues

Standard

ASAM GDI

Version

4.5.0

	<p>section of the model. If the given <code>ulFuncMem</code> does not exist, a <code>NIL</code> reference shall be returned.</p> <p>This behavior is identical with other <code>get...CD</code> operations in cases where no requested CD object exists.</p>
ID	Title
3666	Behavior of <code>gdiGetSubValueByOrdValue</code>
	Description
	<p>This method is used to access sub-elements of structs and unions. A section identifier is used as input parameter. The following precondition is defined: "The resource with the given index must exist." There is no post condition defined.</p> <p>A better solution is, if in such a case a <code>NIL</code> reference is returned. Please note that the application programs normally loops over all contained elements. An exception is not very helpful.</p> <p>As an alternative, a new method can be introduced:</p> <pre>gdiGetNumberOfElements</pre> <p>So the application knows the valid range for the section identifier.</p>
ID	Title
	Description

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About This Document

This document lists known issues for the standard and version as identified in the document header. Issues in the context of ASAM standards have one of the following characteristics:

- Error: unintended or wrong content.
- Contradiction: inconsistent or contradictory content.
- Specification gap: missing content required for a functional system and for complete understanding.
- Lack of clarity: Unclear, vague or ambiguous description, which leads to misunderstandings and misinterpretations.

The issue may exist in the base standard, in associate standards, schema files, interface definition files, model files, examples or any other supplements of the standard.

For each issue, the table contains an ID, title and description.

ID: Unique identification number assigned by the ASAM change request system.

Title: Summary of the issue description in headline style

Description: Identifies the parts of the standard that are affected by the issue, provides a reason why this is considered as an issue and allows the reader to understand the technical implications of the issue. Optionally, the description includes a resolution proposal and a proposed workaround for the issue.

Issues are resolved in the release of a new version of a standard. Please regularly check ASAM's web page and news publications to stay informed about new versions. If an issue has been resolved in a new version, then it is not listed in the List of Known Issues document for this version any longer.

The List of Known Issues document for former versions of the same standard will be frozen and will not be further maintained. ASAM advises all users of its standards to always use the latest version of its standards.