ID	Title / Description
3763	**Title:** BlackBoxException Not Well Defined **Description:** It is not clearly specified in which situation a BlackBoxException shall be thrown.

3767	**Title:** DiagDataBrowsingPlus Schema Error: Intervall:ComplexType Shall Not Be Abstract
	There is an error in the schema for DiagDataBrowsingPlus (otxIFD_DiagDataBrowsingPlus.xsd) in line 140:
	`<xsd:complexType name="Interval" abstract="true">`
	The element "Interval" should not be abstract. The correct line should be:
	`<xsd:complexType name="Interval">`

3770	**Title:** Use DB Types for IsDbDiagServiceJob in Specification And Schema **Description:** Specification and annotation of schema should be changed: 10.7.4.12 IsDbDiagServiceJob Semantic: Returns True if the DbDiagService is a job otherwise False. It returns only True if the method getOjectType returns eMCDMULTIPLEECUJOB, eMCDFLASHJOB or eMCDSINGLEECUJOB. --> The db object types should be used instead of runtime types: --> eMCDDBMULTIPLEECUJOB, eMCDDBFLASHJOB or eMCDDB-SINGLEECUJOB.
3784	**Title:** ShiftLeft in Part 2 is Not Clearly Specified **Description:** It is not clearly specified what is the result of the ShiftLeft operator. Does the operator change the bitlength of the operand? With which values are the left-most positions of the operand filled? The proposed clarification for the next version of the standard is: "Shifts a ByteField left. Bits at the least significant positions will be stuffed by zero. Bits at the most significant positions will be discarded. The size of the ByteField will not change".
3793	**Title:** DiagDataBrowsingPlus: MCDDbLogicalLink Should Not be Used **Description:** The MCDDbLogicalLink is only connected to ECU base variants. Therefore it cannot be used for DbComChannel. A clarification is required for multiple elements of the standard: • DbComChannel • GetComChannelDbComChannel • GetDbComChannel • GetDbComChannelDbDiagServices

	• GetDbComChannelProtocolType
ID	Title
3794	DiagDataBrowsingPlus: DbSpecialDataGroup Shall Not be Derived from MCDDbObject
	Description
	In the current schema DbSpecialDataGroup is derived from DbObject, but at MVCI server level MCDDbSpecialDataGroup is not derived from MCDDbObject. This makes an implementation very difficult and error prone. Therefore the DbSpecialDataGroup shall not derived from MCDDbObject.
ID	Title
3805	Parameter name of TestResultHandling.GetResultContainerByName should be a StringTerm
	Description
	TestResultHandling.GetResultContainerByName.name is defined in the schema as a ResultContainerName, which is a sub-type of xsd:string. This limits the usefulness of this term as it would only work for literal strings. Parameters of terms in OTX are normally specified as terms. The parameter should be a StringTerm to allow computed values to be used.
ID	Title
3814	GetDiagServiceFromResult specification is wrong
	Description
	Chapter 7.7.3.3.5 GetDiagServiceListBySemantic says: "GetDiagServiceListBySemantic is a DiagServiceTerm." This should be changed to: "GetDiagServiceListBySemantic is a ListTerm." In chapter 7.7.3.3.6 GetDiagServiceFromResult the textual specification refers to "GetDiagServiceNameFromResult" in two places, but the term is called: "GetDiagServiceFromResult" (without "Name"). Furthermore, the specification says: "GetDiagServiceNameFromResult is an otx:ListTerm." This should be changed to: "GetDiagServiceFromResult is a DiagServiceTerm."
ID	Title
3815	IsLessOrEqual description is wrong
	Description
	Chapter 7.15.8.3.6 IsLessOrEqual says: "IsGreaterOrEqual is a BooleanTerm. Returns true if and only if the <left> value is greater or equal than the <right> value." This should be changed to: "IsLessOrEqual is a BooleanTerm. Returns true if and only if the <left> value is less or equal than the <right> value."
ID	Title
3832	otx:Modulo unspecified if numeral/divisor is negative
	Description
	When calculating the modulo of OTX integers, it is currently not specified in the standard, whether the result shall have the sign of the numeral or that of the divisor? Examples:

	-5 % 2 is -1 in Java. -5 % 2 is +1 in some other languages (e.g. Lua, Ruby).
ID	Title
3834	GetExceptionQualifier: "string representation of the exception's data type" undefined
	Description
	Chapter 7.15.13.3.2 GetExceptionQualifier defines: "IMPORTANT — Exception qualifiers are only defined for explicit exceptions (in OTX Core, the only explicit exception is UserException). Therefore, GetExceptionQualifier shall return the string representation of the exception's data type when it is applied on implicit exceptions." It is not clear what is meant with "string representation of the exception's data type": Either "OutOfBoundsException", "otx:OutOfBoundsException" or something else?
ID	Title
3844	util:ListSort Unspecified for Complex Types
	Description
	Chapter 20.4.3.8 ListSort defines: "ListSort is a ListTerm that returns a copy of the given list in ascending order. The comparison criterion is the same as used by the otx:Relational operations description." The prefix otx: should be removed and "Relational" should not be printed in monospace. We refer to chapter "Relational operations" of part 2. There is no "otx:Relational" in the schema. The OTX relational operations are only specified for SimpleTerms. It is unclear what should happen when e.g. trying to sort a list of com channels.
ID	Title
3845	util:ListSort: Stable Sort Algorithm Required?
	Description

	ListSort does not specify whether the sort algorithm must be stable, i. e. whether or not equal elements can be reordered as a result of the sort.
	Example:
	`myQuantityList = [1 mile, 1000 m, 1 km, 50 cm]`
	`sort(myQuantityList)`
	Is the following result correct?
	`[50 cm, 1 km, 1000 m, 1 mile]`

ID	Title
3860	FormatDate: User-Defined String Sequences Must Be Quoted
	Description
	In part 3 of the standard, DateTime extension, the following pattern is given: "yyyy-MM-dd'T'HH:mm:ss'.'SSSZ" However, this pattern doesn't follow the specification given above, which states that "user-defined string sequences [...] have to be escaped by quotes (')". The - and : characters are user-defined strings. Note that OTX DateTime is stricter than Java SimpleDateFormat, which requires only "letters from 'A' to 'Z' and from 'a' to 'z'" to be quoted. The pattern for FormatDuration is also incorrect:

	• yyyy makes no sense, should be a single character (already resolved in bug 3450) • capital Y must be used instead of y • dash and colon characters must be quoted
ID 3866	Title Adding Quantities Can Throw an UnknownUnitException
	Description In ASAM OTX-Extensions part 3, Quantities extension, GetBaseUnit is specified to throw an UnknownUnitException "If the base unit can not be obtained from the system's unit specification." For example, GetBaseUnit(100 km/h) will throw an UnknownUnitException if the ODX unit spec doesn't define the unit "meters per second". For addition, subtraction, multiplication, division, modulo, absolute value and negation, "The display unit of the resulting Quantity should be set to the SI base unit corresponding to the Quantity's physical dimension." This is not always possible. E.g. when calculating 100 km/h + 20 mph, and the unit "meters per second" is undefined in the unit spec, we cannot set the resulting quantity to the SI base unit.
ID 3889	Title Contradiction in Specification for GetDbDiagServiceDbRequest
	Description In ASAM OTX-Extensions page 215 - 10.7.12.3 GetDbDiagServiceDbRequest, the semantic section says DiagDataBrowsingException should be thrown if the database request cannot be determined. But under its Exceptions section thrown exception is "None".
ID 3890	Title Contradiction in Specification for GetDbComChannel
	Description In ASAM OTX-Extensions page 176 10.7.3.4 GetDbComChannel, the return type mentioned is "diagDataPlus:DbComChannelTerm". But the semantics says "This term returns the MCDDbLocation of a MCDDbLogicalLink which is identified by the SHORT-NAME of the related base variant and ECU variant".
ID 3895	Title DiagConfiguration: "list of StringTerm objects"
	Description In part 4, DiagConfiguration, the terms GetDbProjectList and GetDbVehicleInformationList are specified to return a "list of StringTerm objects". However, objects are not terms. Terms do not "return" other terms. The text shall be changed to "list of strings" or "list of otx:String objects".
ID 3898	Title Error in ISO13209-3 Correction Sheet for OTX 1.0
	Description In Part 3 - Section 7.6.4.3.7 SetParameterValue, the introduction text is different from the text that describes the parameter element.

ID	Title
3943	Unspecified Behaviour If Request Parameters Defined Both on DiagService and <requestParameters>
	Description
	When using diag:ExecuteDiagService, there are two places where the procedure author can specify request parameter values: • On the DiagService (e.g. through GetRequest, GetParameterByPath, SetParameterValue); • At the <requestParameters> element of ExecuteDiagService (inline mapping). It is unclear how an OTX runtime shall behave if parameter values are defined in both places.
ID	Title
3944	DataType Extension Wrong OTX Example
	Description
	The OTX example in chapter 7.9 for the DataType extension is wrong.
ID	Title
3953	IsDbDiagServiceRepetitive Wrong Parameter Name
	Description
	The Parameter <diagService> shall be renamed to <dbDiagService> because it is of type dbDiagServiceTerm.
ID	Title
3954	Extension Prefix in Throws Section
	Description
	The correct prefix for each extension shall be used in the exception annotations text, e.g. replace "resh" by "testResult".
ID	Title
3955	SetToleranceResult: Exception If lowerLimit > upperLimit
	Description
	Part 4, TestResultHandling, action SetToleranceResult, states: "If the upperLimit element is lower than the lowerLimit element, the ResultState shall be ERROR." In this case, we should throw an OTX exception instead, as the problem was caused by an implementation error of the procedure author.
ID	Title
	Description

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.