

Linux Standard Base C++ Specification for PPC32

4.1

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Foreword

This is version 4.1 of the Linux Standard Base C++ Specification for PPC32. This specification is one of a series of volumes under the collective title *Linux Standard Base*:

- Core
- C++
- Desktop
- Languages
- Printing

Note that the Core, C++ and Desktop volumes consist of a generic volume augmented by an architecture-specific volume.

Status of this Document

This is a released specification. Other documents may supersede or augment this specification. A list of current Linux Standard Base (LSB) specifications is available at <http://refspecs.linuxfoundation.org> (<http://refspecs.linuxfoundation.org/>).

If you wish to make comments regarding this document in a manner that is tracked by the LSB project, please submit them using our public bug database at <http://bugs.linuxbase.org>. Please enter your feedback, carefully indicating the title of the section for which you are submitting feedback, and the volume and version of the specification where you found the problem, quoting the incorrect text if appropriate. If you are suggesting a new feature, please indicate what the problem you are trying to solve is. That is more important than the solution, in fact.

If you do not have or wish to create a bug database account then you can also e-mail feedback to [<lsb-discuss@lists.linuxfoundation.org>](mailto:lsb-discuss@lists.linuxfoundation.org) (subscribe (<http://lists.linux-foundation.org/mailman/listinfo/lsb-discuss>), archives (<http://lists.linux-foundation.org/pipermail/lsb-discuss/>)), and arrangements will be made to transpose the comments to our public bug database.

Introduction

The LSB defines a binary interface for application programs that are compiled and packaged for LSB-conforming implementations on many different hardware architectures. A binary specification must include information specific to the computer processor architecture for which it is intended. To avoid the complexity of conditional descriptions, the specification has instead been divided into generic parts which are augmented by one of several architecture-specific parts, depending on the target processor architecture; the generic part will indicate when reference must be made to the architecture part, and vice versa.

This document should be used in conjunction with the documents it references. This document enumerates the system components it includes, but descriptions of those components may be included entirely or partly in this document, partly in other documents, or entirely in other reference documents. For example, the section that describes system service routines includes a list of the system routines supported in this interface, formal declarations of the data structures they use that are visible to applications, and a pointer to the underlying referenced specification for information about the syntax and semantics of each call. Only those routines not described in standards referenced by this document, or extensions to those standards, are described in the detail. Information referenced in this way is as much a part of this document as is the information explicitly included here.

The specification carries a version number of either the form $x.y$ or $x.y.z$. This version number carries the following meaning:

1. The first number (x) is the major version number. Versions sharing the same major version number shall be compatible in a backwards direction; that is, a newer version shall be compatible with an older version. Any deletion of a library results in a new major version number. Interfaces marked as deprecated may be removed from the specification at a major version change.
2. The second number (y) is the minor version number. Libraries and individual interfaces may be added, but not removed. Interfaces may be marked as deprecated at a minor version change. Other minor changes may be permitted at the discretion of the LSB workgroup.
3. The third number (z), if present, is the editorial level. Only editorial changes should be included in such versions.

Since this specification is a descriptive Application Binary Interface, and not a source level API specification, it is not possible to make a guarantee of 100% backward compatibility between major releases. However, it is the intent that those parts of the binary interface that are visible in the source level API will remain backward compatible from version to version, except where a feature marked as "Deprecated" in one release may be removed from a future release. Implementors are strongly encouraged to make use of symbol versioning to permit simultaneous support of applications conforming to different releases of this specification.

LSB is a trademark of the Linux Foundation. Developers of applications or implementations interested in using the trademark should see the Linux Foundation Certification Policy for details.

I Introductory Elements

1 Scope

1.1 General

The Linux Standard Base (LSB) defines a system interface for compiled applications and a minimal environment for support of installation scripts. Its purpose is to enable a uniform industry standard environment for high-volume applications conforming to the LSB.

These specifications are composed of two basic parts: A common specification ("LSB-generic" or "generic LSB"), ISO/IEC 23360 Part 1, describing those parts of the interface that remain constant across all implementations of the LSB, and an architecture-specific part ("LSB-arch") describing the parts of the interface that vary by processor architecture. Together, the LSB-generic and the relevant architecture-specific part of ISO/IEC 23360 for a single hardware architecture provide a complete interface specification for compiled application programs on systems that share a common hardware architecture.

ISO/IEC 23360 Part 1, the LSB-generic document, should be used in conjunction with an architecture-specific part. Whenever a section of the LSB-generic specification is supplemented by architecture-specific information, the LSB-generic document includes a reference to the architecture part. Architecture-specific parts of ISO/IEC 23360 may also contain additional information that is not referenced in the LSB-generic document.

The LSB contains both a set of Application Program Interfaces (APIs) and Application Binary Interfaces (ABIs). APIs may appear in the source code of portable applications, while the compiled binary of that application may use the larger set of ABIs. A conforming implementation provides all of the ABIs listed here. The compilation system may replace (e.g. by macro definition) certain APIs with calls to one or more of the underlying binary interfaces, and may insert calls to binary interfaces as needed.

The LSB is primarily a binary interface definition. Not all of the source level APIs available to applications may be contained in this specification.

1.2 Module Specific Scope

This is the C++ module of the Linux Standards Base (LSB). This module supplements the core interfaces by providing system interfaces, libraries, and a runtime environment for applications built using the C++ programming language. These interfaces provide low-level support for the core constructs of the language, and implement the standard base C++ libraries.

Interfaces described in this module are presented in terms of C++; the binary interfaces will use encoded or mangled versions of the names.

2 Normative References

The specifications listed below are referenced in whole or in part by this module of the Linux Standard Base. In this specification, where only a particular section of one of these references is identified, then the normative reference is to that section alone, and the rest of the referenced document is informative.

Table 2-1 Normative References

Name	Title	URL
ISO/IEC 23360 Part 1	ISO/IEC 23360:2005 Linux Standard Base - Part 1 Generic Specification	http://www.linuxbase.org/spec/
ISO C (1999)	ISO/IEC 9899: 1999, Programming Languages --C	
ISO/IEC 14882: 2003 C++ Language	ISO/IEC 14882: 2003 Programming languages --C++	
Itanium™ C++ ABI	Itanium™ C++ ABI (Revision 1.86)	http://refspecs.linuxfoundation.org/cxxabi-1.86.html
POSIX 1003.1-2001 (ISO/IEC 9945-2003)	ISO/IEC 9945-1:2003 Information technology -- Portable Operating System Interface (POSIX) -- Part 1: Base Definitions ISO/IEC 9945-2:2003 Information technology -- Portable Operating System Interface (POSIX) -- Part 2: System Interfaces ISO/IEC 9945-3:2003 Information technology -- Portable Operating System Interface (POSIX) -- Part 3: Shell and Utilities ISO/IEC 9945-4:2003 Information technology -- Portable Operating System Interface (POSIX) -- Part 4: Rationale Including Technical Cor. 1: 2004	http://www.unix.org/version3/

3 Requirements

3.1 Relevant Libraries

The libraries listed in Table 3-1 shall be available on a Linux Standard Base system, with the specified runtime names.

Table 3-1 Standard Library Names

Library	Runtime Name
libstdcxx	libstdc++.so.6

These libraries will be in an implementation-defined directory which the dynamic linker shall search by default.

3.2 LSB Implementation Conformance

An implementation shall satisfy the following requirements:

- The implementation shall implement fully the architecture described in the hardware manual for the target processor architecture.
- The implementation shall be capable of executing compiled applications having the format and using the system interfaces described in this document.
- The implementation shall provide libraries containing the interfaces specified by this document, and shall provide a dynamic linking mechanism that allows these interfaces to be attached to applications at runtime. All the interfaces shall behave as specified in this document.
- The map of virtual memory provided by the implementation shall conform to the requirements of this document.
- The implementation's low-level behavior with respect to function call linkage, system traps, signals, and other such activities shall conform to the formats described in this document.
- The implementation shall provide all of the mandatory interfaces in their entirety.
- The implementation may provide one or more of the optional interfaces. Each optional interface that is provided shall be provided in its entirety. The product documentation shall state which optional interfaces are provided.
- The implementation shall provide all files and utilities specified as part of this document in the format defined here and in other referenced documents. All commands and utilities shall behave as required by this document. The implementation shall also provide all mandatory components of an application's runtime environment that are included or referenced in this document.
- The implementation, when provided with standard data formats and values at a named interface, shall provide the behavior defined for those values and data formats at that interface. However, a conforming implementation may consist of components which are separately packaged and/or sold. For example, a vendor of a conforming implementation might sell the hardware, operating system, and windowing system as separately packaged items.

- The implementation may provide additional interfaces with different names. It may also provide additional behavior corresponding to data values outside the standard ranges, for standard named interfaces.

3.3 LSB Application Conformance

An application shall satisfy the following requirements:

- Its executable files are either shell scripts or object files in the format defined for the Object File Format system interface.
- Its object files participate in dynamic linking as defined in the Program Loading and Linking System interface.
- It employs only the instructions, traps, and other low-level facilities defined in the Low-Level System interface as being for use by applications.
- If it requires any optional interface defined in this document in order to be installed or to execute successfully, the requirement for that optional interface is stated in the application's documentation.
- It does not use any interface or data format that is not required to be provided by a conforming implementation, unless:
 - If such an interface or data format is supplied by another application through direct invocation of that application during execution, that application is in turn an LSB conforming application.
 - The use of that interface or data format, as well as its source, is identified in the documentation of the application.
- It shall not use any values for a named interface that are reserved for vendor extensions.

A strictly conforming application does not require or use any interface, facility, or implementation-defined extension that is not defined in this document in order to be installed or to execute successfully.

4 Terms and Definitions

For the purposes of this document, the terms given in *ISO/IEC Directives, Part 2, Annex H* and the following apply.

archLSB

Some LSB specification documents have both a generic, architecture-neutral part and an architecture-specific part. The latter describes elements whose definitions may be unique to a particular processor architecture. The term archLSB may be used in the generic part to refer to the corresponding section of the architecture-specific part.

Binary Standard, ABI

The total set of interfaces that are available to be used in the compiled binary code of a conforming application, including the run-time details such as calling conventions, binary format, C++ name mangling, etc.

Implementation-defined

Describes a value or behavior that is not defined by this document but is selected by an implementor. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence of the value or behavior. An application that relies on such a value or behavior cannot be assured to be portable across conforming implementations. The implementor shall document such a value or behavior so that it can be used correctly by an application.

Shell Script

A file that is read by an interpreter (e.g., awk). The first line of the shell script includes a reference to its interpreter binary.

Source Standard, API

The total set of interfaces that are available to be used in the source code of a conforming application. Due to translations, the Binary Standard and the Source Standard may contain some different interfaces.

Undefined

Describes the nature of a value or behavior not defined by this document which results from use of an invalid program construct or invalid data input. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence or validity of the value or behavior. An application that relies on any particular value or behavior cannot be assured to be portable across conforming implementations.

Unspecified

Describes the nature of a value or behavior not specified by this document which results from use of a valid program construct or valid data input. The value or behavior may vary among implementations that conform to this document. An application should not rely on the existence or validity of the value or behavior. An application that relies on any particular value or behavior cannot be assured to be portable across conforming implementations.

4 Terms and Definitions

In addition, for the portions of this specification which build on IEEE Std 1003.1-2001, the definitions given in *IEEE Std 1003.1-2001, Base Definitions, Chapter 3* apply.

5 Documentation Conventions

Throughout this document, the following typographic conventions are used:

`function()`

the name of a function

command

the name of a command or utility

`CONSTANT`

a constant value

parameter

a parameter

`variable`

a variable

Throughout this specification, several tables of interfaces are presented. Each entry in these tables has the following format:

name

the name of the interface

(symver)

An optional symbol version identifier, if required.

[*refno*]

A reference number indexing the table of referenced specifications that follows this table.

For example,

<code>forkpty(GLIBC_2.0) [SUSv3]</code>

refers to the interface named `forkpty()` with symbol version `GLIBC_2.0` that is defined in the `SUSv3` reference.

Note: For symbols with versions which differ between architectures, the symbol versions are defined in the architecture specific parts of ISO/IEC 23360 only.

II Base Libraries

6 Libraries

An LSB-conforming implementation shall support base libraries which provide interfaces for accessing the operating system, processor and other hardware in the system.

Only those interfaces that are unique to the PowerPC 32 platform are defined here. This section should be used in conjunction with the corresponding section in the Linux Standard Base Specification.

6.1 Interfaces for libstdcxx

Table 6-1 defines the library name and shared object name for the libstdcxx library

Table 6-1 libstdcxx Definition

Library:	libstdcxx
SONAME:	libstdc++.so.6

The behavior of the interfaces in this library is specified by the following specifications:

[CXXABI-1.86] Itanium™ C++ ABI
[ISOCXX] ISO/IEC 14882: 2003 C++ Language
[LSB] ISO/IEC 23360 Part 1

6.1.1 C++ Runtime Support

6.1.1.1 Interfaces for C++ Runtime Support

An LSB conforming implementation shall provide the architecture specific methods for C++ Runtime Support specified in Table 6-2, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-2 libstdcxx - C++ Runtime Support Function Interfaces

operator new[](unsigned int)(GLIBCXX_3.4) [ISOCXX]
operator new[](unsigned int, nothrow_t const&)(GLIBCXX_3.4) [ISOCXX]
operator new(unsigned int)(GLIBCXX_3.4) [ISOCXX]
operator new(unsigned int, nothrow_t const&)(GLIBCXX_3.4) [ISOCXX]

6.1.2 C++ type descriptors for built-in types

6.1.2.1 Interfaces for C++ type descriptors for built-in types

No external methods are defined for libstdcxx - C++ type descriptors for built-in types in this part of the specification. See also the generic specification.

6.1.3 C++ _Rb_tree

6.1.3.1 Interfaces for C++ _Rb_tree

No external methods are defined for libstdcxx - C++ _Rb_tree in this part of the specification. See also the generic specification.

6.1.4 Class `type_info`

6.1.4.1 Class data for `type_info`

The virtual table for the `std::type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `std::type_info` class is described by Table 6-3

Table 6-3 `typeinfo` for `type_info`

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
Name	<code>typeinfo</code> name for <code>type_info</code>

6.1.4.2 Interfaces for Class `type_info`

No external methods are defined for `libstdc++` - Class `std::type_info` in this part of the specification. See also the generic specification.

6.1.5 Class `__cxxabiv1::__enum_type_info`

6.1.5.1 Class data for `__cxxabiv1::__enum_type_info`

The virtual table for the `__cxxabiv1::__enum_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__enum_type_info` class is described by Table 6-4

Table 6-4 `typeinfo` for `__cxxabiv1::__enum_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for <code>__cxxabiv1::__enum_type_info</code>

6.1.5.2 Interfaces for Class `__cxxabiv1::__enum_type_info`

No external methods are defined for `libstdc++` - Class `__cxxabiv1::__enum_type_info` in this part of the specification. See also the generic specification.

6.1.6 Class `__cxxabiv1::__array_type_info`

6.1.6.1 Class data for `__cxxabiv1::__array_type_info`

The virtual table for the `__cxxabiv1::__array_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__array_type_info` class is described by Table 6-5

Table 6-5 `typeinfo` for `__cxxabiv1::__array_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for

	<code>__cxxabiv1::__array_type_info</code>
--	--

6.1.6.2 Interfaces for Class `__cxxabiv1::__array_type_info`

No external methods are defined for `libstdcxx` - Class `__cxxabiv1::__array_type_info` in this part of the specification. See also the generic specification.

6.1.7 Class `__cxxabiv1::__class_type_info`

6.1.7.1 Class data for `__cxxabiv1::__class_type_info`

The virtual table for the `__cxxabiv1::__class_type_info` class is described by Table 6-6

Table 6-6 Primary vtable for `__cxxabiv1::__class_type_info`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>__cxxabiv1::__class_type_info</code>
<code>vfunc[0]:</code>	<code>__cxxabiv1::__class_type_info::~__class_type_info()</code>
<code>vfunc[1]:</code>	<code>__cxxabiv1::__class_type_info::~__class_type_info()</code>
<code>vfunc[2]:</code>	<code>type_info::__is_pointer_p() const</code>
<code>vfunc[3]:</code>	<code>type_info::__is_function_p() const</code>
<code>vfunc[4]:</code>	<code>__cxxabiv1::__class_type_info::__do_catch(type_info const*, void**, unsigned int) const</code>
<code>vfunc[5]:</code>	<code>__cxxabiv1::__class_type_info::__do_upcast(__cxxabiv1::__class_type_info const*, void**) const</code>
<code>vfunc[6]:</code>	<code>__cxxabiv1::__class_type_info::__do_upcast(__cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__upcast_result&) const</code>
<code>vfunc[7]:</code>	<code>__cxxabiv1::__class_type_info::__do_dyn_cast(int, __cxxabiv1::__class_type_info::__sub_kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__dyn_cast_result&) const</code>
<code>vfunc[8]:</code>	<code>__cxxabiv1::__class_type_info::__do_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*,</code>

	void const*) const
--	--------------------

The Run Time Type Information for the `__cxxabiv1::__class_type_info` class is described by Table 6-7

Table 6-7 typeid for `__cxxabiv1::__class_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>__cxxabiv1::__class_type_info</code>

6.1.7.2 Interfaces for Class `__cxxabiv1::__class_type_info`

An LSB conforming implementation shall provide the architecture specific methods for Class `__cxxabiv1::__class_type_info` specified in Table 6-8, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-8 libstdc++ - Class `__cxxabiv1::__class_type_info` Function Interfaces

<code>__cxxabiv1::__class_type_info::__do_dyncast(int, __cxxabiv1::__class_type_info::__sub_kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__dyncast_result&) const(CXXABI_1.3)</code> [CXXABI-1.86]
<code>__cxxabiv1::__class_type_info::__do_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*, void const*) const(CXXABI_1.3)</code> [CXXABI-1.86]

6.1.8 Class `__cxxabiv1::__pbase_type_info`

6.1.8.1 Class data for `__cxxabiv1::__pbase_type_info`

The virtual table for the `__cxxabiv1::__pbase_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__pbase_type_info` class is described by Table 6-9

Table 6-9 typeid for `__cxxabiv1::__pbase_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>__cxxabiv1::__pbase_type_info</code>

6.1.8.2 Interfaces for Class `__cxxabiv1::__pbase_type_info`

No external methods are defined for libstdc++ - Class `__cxxabiv1::__pbase_type_info` in this part of the specification. See also the generic specification.

6.1.9 Class `__cxxabiv1::__pointer_type_info`

6.1.9.1 Class data for `__cxxabiv1::__pointer_type_info`

The virtual table for the `__cxxabiv1::__pointer_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__pointer_type_info` class is described by Table 6-10

Table 6-10 typeinfo for `__cxxabiv1::__pointer_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__cxxabiv1::__pointer_type_info</code>

6.1.9.2 Interfaces for Class `__cxxabiv1::__pointer_type_info`

No external methods are defined for `libstdcxx` - Class `__cxxabiv1::__pointer_type_info` in this part of the specification. See also the generic specification.

6.1.10 Class `__cxxabiv1::__function_type_info`

6.1.10.1 Class data for `__cxxabiv1::__function_type_info`

The virtual table for the `__cxxabiv1::__function_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__function_type_info` class is described by Table 6-11

Table 6-11 typeinfo for `__cxxabiv1::__function_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__cxxabiv1::__function_type_info</code>

6.1.10.2 Interfaces for Class `__cxxabiv1::__function_type_info`

No external methods are defined for `libstdcxx` - Class `__cxxabiv1::__function_type_info` in this part of the specification. See also the generic specification.

6.1.11 Class `__cxxabiv1::__si_class_type_info`

6.1.11.1 Class data for `__cxxabiv1::__si_class_type_info`

The virtual table for the `__cxxabiv1::__si_class_type_info` class is described by Table 6-12

Table 6-12 Primary vtable for `__cxxabiv1::__si_class_type_info`

Base Offset	0
Virtual Base Offset	0

RTTI	typeinfo for __cxxabiv1::__si_class_type_info
vfunc[0]:	__cxxabiv1::__si_class_type_info::~~ si_class_type_info()
vfunc[1]:	__cxxabiv1::__si_class_type_info::~~ si_class_type_info()
vfunc[2]:	type_info::__is_pointer_p() const
vfunc[3]:	type_info::__is_function_p() const
vfunc[4]:	__cxxabiv1::__class_type_info::__do_ catch(type_info const*, void**, unsigned int) const
vfunc[5]:	__cxxabiv1::__class_type_info::__do_ upcast(__cxxabiv1::__class_type_info const*, void**) const
vfunc[6]:	__cxxabiv1::__si_class_type_info::__d o_upcast(__cxxabiv1::__class_type_in fo const*, void const*, __cxxabiv1::__class_type_info::__upc ast_result&) const
vfunc[7]:	__cxxabiv1::__si_class_type_info::__d o_dyncast(int, __cxxabiv1::__class_type_info::__sub _kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__dyn cast_result&) const
vfunc[8]:	__cxxabiv1::__si_class_type_info::__d o_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*, void const*) const

The Run Time Type Information for the __cxxabiv1::__si_class_type_info class is described by Table 6-13

Table 6-13 typeinfo for __cxxabiv1::__si_class_type_info

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for __cxxabiv1::__si_class_type_info

6.1.11.2 Interfaces for Class __cxxabiv1::__si_class_type_info

An LSB conforming implementation shall provide the architecture specific methods for Class __cxxabiv1::__si_class_type_info specified in Table 6-14, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-14 libstdcxx - Class `__cxxabiv1::__si_class_type_info` Function Interfaces

<code>__cxxabiv1::__si_class_type_info::__do_dyncast(int, __cxxabiv1::__class_type_info::__sub_kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__dyncast_result&) const(CXXABI_1.3)</code> [CXXABI-1.86]
<code>__cxxabiv1::__si_class_type_info::__do_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*, void const*) const(CXXABI_1.3)</code> [CXXABI-1.86]

6.1.12 Class `__cxxabiv1::__vmi_class_type_info`**6.1.12.1 Class data for `__cxxabiv1::__vmi_class_type_info`**

The virtual table for the `__cxxabiv1::__vmi_class_type_info` class is described by Table 6-15

Table 6-15 Primary vtable for `__cxxabiv1::__vmi_class_type_info`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>__cxxabiv1::__vmi_class_type_info</code>
<code>vfunc[0]:</code>	<code>__cxxabiv1::__vmi_class_type_info::~~__vmi_class_type_info()</code>
<code>vfunc[1]:</code>	<code>__cxxabiv1::__vmi_class_type_info::~~__vmi_class_type_info()</code>
<code>vfunc[2]:</code>	<code>type_info::__is_pointer_p() const</code>
<code>vfunc[3]:</code>	<code>type_info::__is_function_p() const</code>
<code>vfunc[4]:</code>	<code>__cxxabiv1::__class_type_info::__do_catch(type_info const*, void**, unsigned int) const</code>
<code>vfunc[5]:</code>	<code>__cxxabiv1::__class_type_info::__do_upcast(__cxxabiv1::__class_type_info const*, void**) const</code>
<code>vfunc[6]:</code>	<code>__cxxabiv1::__vmi_class_type_info::__do_upcast(__cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__upcast_result&) const</code>
<code>vfunc[7]:</code>	<code>__cxxabiv1::__vmi_class_type_info::__do_dyncast(int, __cxxabiv1::__class_type_info::__sub_kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, void const*,</code>

	<code>__cxxabiv1::__class_type_info::__dyn cast_result&) const</code>
<code>vfunc[8]:</code>	<code>__cxxabiv1::__vmi_class_type_info::__ _do_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*, void const*) const</code>

The Run Time Type Information for the `__cxxabiv1::__vmi_class_type_info` class is described by Table 6-16

Table 6-16 typeinfo for `__cxxabiv1::__vmi_class_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__cxxabiv1::__vmi_class_type_info</code>

6.1.12.2 Interfaces for Class `__cxxabiv1::__vmi_class_type_info`

An LSB conforming implementation shall provide the architecture specific methods for Class `__cxxabiv1::__vmi_class_type_info` specified in Table 6-17, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-17 libstdc++ - Class `__cxxabiv1::__vmi_class_type_info` Function Interfaces

<code>__cxxabiv1::__vmi_class_type_info::__do_dyncast(int, __cxxabiv1::__class_type_info::__sub_kind, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info const*, void const*, __cxxabiv1::__class_type_info::__dyncast_result&) const(CXXABI_1.3) [CXXABI-1.86]</code>
<code>__cxxabiv1::__vmi_class_type_info::__do_find_public_src(int, void const*, __cxxabiv1::__class_type_info const*, void const*) const(CXXABI_1.3) [CXXABI-1.86]</code>

6.1.13 Class `__cxxabiv1::__fundamental_type_info`

6.1.13.1 Class data for `__cxxabiv1::__fundamental_type_info`

The virtual table for the `__cxxabiv1::__fundamental_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__fundamental_type_info` class is described by Table 6-18

Table 6-18 typeinfo for `__cxxabiv1::__fundamental_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__cxxabiv1::__fundamental_type_inf o</code>

6.1.13.2 Interfaces for Class `__cxxabiv1::__fundamental_type_info`

No external methods are defined for libstdcxx - Class `__cxxabiv1::__fundamental_type_info` in this part of the specification. See also the generic specification.

6.1.14 Class `__cxxabiv1::__pointer_to_member_type_info`

6.1.14.1 Class data for `__cxxabiv1::__pointer_to_member_type_info`

The virtual table for the `__cxxabiv1::__pointer_to_member_type_info` class is described in the generic part of this specification.

The Run Time Type Information for the `__cxxabiv1::__pointer_to_member_type_info` class is described by Table 6-19

Table 6-19 typeinfo for `__cxxabiv1::__pointer_to_member_type_info`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__cxxabiv1::__pointer_to_member_type_info</code>

6.1.14.2 Interfaces for Class `__cxxabiv1::__pointer_to_member_type_info`

No external methods are defined for libstdcxx - Class `__cxxabiv1::__pointer_to_member_type_info` in this part of the specification. See also the generic specification.

6.1.15 Class `__gnu_cxx::stdio_filebuf<char, char_traits<char>>`

6.1.15.1 Interfaces for Class `__gnu_cxx::stdio_filebuf<char, char_traits<char>>`

No external methods are defined for libstdcxx - Class `__gnu_cxx::stdio_filebuf<char, std::char_traits<char>>` in this part of the specification. See also the generic specification.

6.1.16 Class `__gnu_cxx::stdio_filebuf<wchar_t, char_traits<wchar_t>>`

6.1.16.1 Interfaces for Class `__gnu_cxx::stdio_filebuf<wchar_t, char_traits<wchar_t>>`

No external methods are defined for libstdcxx - Class `__gnu_cxx::stdio_filebuf<wchar_t, std::char_traits<wchar_t>>` in this part of the specification. See also the generic specification.

6.1.17 Class `__gnu_cxx::__pool_alloc_base`

6.1.17.1 Interfaces for Class `__gnu_cxx::__pool_alloc_base`

An LSB conforming implementation shall provide the architecture specific methods for Class `__gnu_cxx::__pool_alloc_base` specified in Table 6-20, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-20 libstdcxx - Class `__gnu_cxx::__pool_alloc_base` Function Interfaces

<code>__gnu_cxx::__pool_alloc_base::M_get_free_list(unsigned int)(GLIBCXX_3.4.2) [LSB]</code>
<code>__gnu_cxx::__pool_alloc_base::M_refill(unsigned int)(GLIBCXX_3.4.2) [LSB]</code>

6.1.18 Class `__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>`

6.1.18.1 Class data for `__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>`

The virtual table for the `__gnu_cxx::stdio_sync_filebuf<char, std::char_traits<char>>` class is described by Table 6-21

Table 6-21 Primary vtable for `__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>></code>
<code>vfunc[0]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::~~stdio_sync_filebuf()</code>
<code>vfunc[1]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::~~stdio_sync_filebuf()</code>
<code>vfunc[2]:</code>	<code>basic_streambuf<char, char_traits<char>>::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_streambuf<char, char_traits<char>>::setbuf(char*, int)</code>
<code>vfunc[4]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
<code>vfunc[5]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
<code>vfunc[6]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::sync()</code>
<code>vfunc[7]:</code>	<code>basic_streambuf<char, char_traits<char>>::showmanyc()</code>
<code>vfunc[8]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char>>::xsgetn(char*, int)</code>

vfunc[9]:	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >::underflow()</code>
vfunc[10]:	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >::uflow()</code>
vfunc[11]:	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >::pbackfail(int)</code>
vfunc[12]:	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >::xsputn(char const*, int)</code>
vfunc[13]:	<code>__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >::overflow(int)</code>

6.1.18.2 Interfaces for Class `__gnu_cxx::stdio_sync_filebuf<char, char_traits<char> >`

No external methods are defined for `libstdc++` - Class `__gnu_cxx::stdio_sync_filebuf<char, std::char_traits<char> >` in this part of the specification. See also the generic specification.

6.1.19 Class `__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >`

6.1.19.1 Class data for `__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >`

The virtual table for the `__gnu_cxx::stdio_sync_filebuf<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-22

Table 6-22 Primary vtable for `__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> ></code>
vfunc[0]:	<code>__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >::~~stdio_sync_filebuf()</code>
vfunc[1]:	<code>__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >::~~stdio_sync_filebuf()</code>
vfunc[2]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::imbue(locale const&)</code>
vfunc[3]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::setbuf(wchar_t*, int)</code>
vfunc[4]:	<code>__gnu_cxx::stdio_sync_filebuf<wcha</code>

	<code>r_t, char_traits<wchar_t> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
<code>vfunc[5]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
<code>vfunc[6]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::sync()</code>
<code>vfunc[7]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::showmanyc()</code>
<code>vfunc[8]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::xsgetn(wchar_t*, int)</code>
<code>vfunc[9]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::underflow()</code>
<code>vfunc[10]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::uflow()</code>
<code>vfunc[11]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::pbackfail(unsigned int)</code>
<code>vfunc[12]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::xspurn(wchar_t const*, int)</code>
<code>vfunc[13]:</code>	<code>__gnu_cxx::stdio_sync_filebuf<wcha r_t, char_traits<wchar_t> >::overflow(unsigned int)</code>

6.1.19.2 Interfaces for Class

`__gnu_cxx::stdio_sync_filebuf<wchar_t, char_traits<wchar_t> >`

No external methods are defined for `libstdc++` - Class `__gnu_cxx::stdio_sync_filebuf<wchar_t, std::char_traits<wchar_t> >` in this part of the specification. See also the generic specification.

6.1.20 Class exception

6.1.20.1 Class data for exception

The virtual table for the `std::exception` class is described in the generic part of this specification.

The Run Time Type Information for the `std::exception` class is described by Table 6-23

Table 6-23 typeinfo for exception

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
-------------	--

Name	typeinfo name for exception
------	-----------------------------

6.1.20.2 Interfaces for Class exception

No external methods are defined for libstdc++ - Class std::exception in this part of the specification. See also the generic specification.

6.1.21 Class bad_typeid

6.1.21.1 Class data for bad_typeid

The virtual table for the std::bad_typeid class is described in the generic part of this specification.

The Run Time Type Information for the std::bad_typeid class is described by Table 6-24

Table 6-24 typeinfo for bad_typeid

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for bad_typeid

6.1.21.2 Interfaces for Class bad_typeid

No external methods are defined for libstdc++ - Class std::bad_typeid in this part of the specification. See also the generic specification.

6.1.22 Class logic_error

6.1.22.1 Class data for logic_error

The virtual table for the std::logic_error class is described in the generic part of this specification.

The Run Time Type Information for the std::logic_error class is described by Table 6-25

Table 6-25 typeinfo for logic_error

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for logic_error

6.1.22.2 Interfaces for Class logic_error

No external methods are defined for libstdc++ - Class std::logic_error in this part of the specification. See also the generic specification.

6.1.23 Class range_error

6.1.23.1 Class data for range_error

The virtual table for the std::range_error class is described in the generic part of this specification.

The Run Time Type Information for the std::range_error class is described by Table 6-26

Table 6-26 typeid for range_error

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for range_error

6.1.23.2 Interfaces for Class range_error

No external methods are defined for libstdc++ - Class std::range_error in this part of the specification. See also the generic specification.

6.1.24 Class domain_error**6.1.24.1 Class data for domain_error**

The virtual table for the std::domain_error class is described in the generic part of this specification.

The Run Time Type Information for the std::domain_error class is described by Table 6-27

Table 6-27 typeid for domain_error

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for domain_error

6.1.24.2 Interfaces for Class domain_error

No external methods are defined for libstdc++ - Class std::domain_error in this part of the specification. See also the generic specification.

6.1.25 Class length_error**6.1.25.1 Class data for length_error**

The virtual table for the std::length_error class is described in the generic part of this specification.

The Run Time Type Information for the std::length_error class is described by Table 6-28

Table 6-28 typeid for length_error

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for length_error

6.1.25.2 Interfaces for Class length_error

No external methods are defined for libstdc++ - Class std::length_error in this part of the specification. See also the generic specification.

6.1.26 Class out_of_range**6.1.26.1 Class data for out_of_range**

The virtual table for the std::out_of_range class is described in the generic part of this specification.

The Run Time Type Information for the `std::out_of_range` class is described by Table 6-29

Table 6-29 typeinfo for out_of_range

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>out_of_range</code>

6.1.26.2 Interfaces for Class `out_of_range`

No external methods are defined for `libstdc++` - Class `std::out_of_range` in this part of the specification. See also the generic specification.

6.1.27 Class `bad_exception`

6.1.27.1 Class data for `bad_exception`

The virtual table for the `std::bad_exception` class is described in the generic part of this specification.

The Run Time Type Information for the `std::bad_exception` class is described by Table 6-30

Table 6-30 typeinfo for bad_exception

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>bad_exception</code>

6.1.27.2 Interfaces for Class `bad_exception`

No external methods are defined for `libstdc++` - Class `std::bad_exception` in this part of the specification. See also the generic specification.

6.1.28 Class `runtime_error`

6.1.28.1 Class data for `runtime_error`

The virtual table for the `std::runtime_error` class is described in the generic part of this specification.

The Run Time Type Information for the `std::runtime_error` class is described by Table 6-31

Table 6-31 typeinfo for runtime_error

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>runtime_error</code>

6.1.28.2 Interfaces for Class `runtime_error`

No external methods are defined for `libstdc++` - Class `std::runtime_error` in this part of the specification. See also the generic specification.

6.1.29 Class `overflow_error`

6.1.29.1 Class data for `overflow_error`

The virtual table for the `std::overflow_error` class is described in the generic part of this specification.

The Run Time Type Information for the `std::overflow_error` class is described by Table 6-32

Table 6-32 typeinfo for `overflow_error`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>overflow_error</code>

6.1.29.2 Interfaces for Class `overflow_error`

No external methods are defined for `libstdc++` - Class `std::overflow_error` in this part of the specification. See also the generic specification.

6.1.30 Class `underflow_error`

6.1.30.1 Class data for `underflow_error`

The virtual table for the `std::underflow_error` class is described in the generic part of this specification.

The Run Time Type Information for the `std::underflow_error` class is described by Table 6-33

Table 6-33 typeinfo for `underflow_error`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>underflow_error</code>

6.1.30.2 Interfaces for Class `underflow_error`

No external methods are defined for `libstdc++` - Class `std::underflow_error` in this part of the specification. See also the generic specification.

6.1.31 Class `invalid_argument`

6.1.31.1 Class data for `invalid_argument`

The virtual table for the `std::invalid_argument` class is described in the generic part of this specification.

The Run Time Type Information for the `std::invalid_argument` class is described by Table 6-34

Table 6-34 typeinfo for `invalid_argument`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>invalid_argument</code>

6.1.31.2 Interfaces for Class `invalid_argument`

No external methods are defined for `libstdc++` - Class `std::invalid_argument` in this part of the specification. See also the generic specification.

6.1.32 Class `bad_cast`

6.1.32.1 Class data for `bad_cast`

The virtual table for the `std::bad_cast` class is described in the generic part of this specification.

The Run Time Type Information for the `std::bad_cast` class is described by Table 6-35

Table 6-35 typeinfo for `bad_cast`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>bad_cast</code>

6.1.32.2 Interfaces for Class `bad_cast`

No external methods are defined for `libstdc++` - Class `std::bad_cast` in this part of the specification. See also the generic specification.

6.1.33 Class `bad_alloc`

6.1.33.1 Class data for `bad_alloc`

The virtual table for the `std::bad_alloc` class is described in the generic part of this specification.

The Run Time Type Information for the `std::bad_alloc` class is described by Table 6-36

Table 6-36 typeinfo for `bad_alloc`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>bad_alloc</code>

6.1.33.2 Interfaces for Class `bad_alloc`

No external methods are defined for `libstdc++` - Class `std::bad_alloc` in this part of the specification. See also the generic specification.

6.1.34 struct `__numeric_limits_base`

6.1.34.1 Interfaces for struct `__numeric_limits_base`

No external methods are defined for `libstdc++` - struct `__numeric_limits_base` in this part of the specification. See also the generic specification.

6.1.35 struct `numeric_limits<long double>`

6.1.35.1 Interfaces for struct `numeric_limits<long double>`

No external methods are defined for `libstdc++` - struct `numeric_limits<long double>` in this part of the specification. See also the generic specification.

6.1.36 struct numeric_limits<long long>**6.1.36.1 Interfaces for struct numeric_limits<long long>**

No external methods are defined for libstdcxx - struct numeric_limits<long long> in this part of the specification. See also the generic specification.

6.1.37 struct numeric_limits<unsigned long long>**6.1.37.1 Interfaces for struct numeric_limits<unsigned long long>**

No external methods are defined for libstdcxx - struct numeric_limits<unsigned long long> in this part of the specification. See also the generic specification.

6.1.38 struct numeric_limits<float>**6.1.38.1 Interfaces for struct numeric_limits<float>**

No external methods are defined for libstdcxx - struct numeric_limits<float> in this part of the specification. See also the generic specification.

6.1.39 struct numeric_limits<double>**6.1.39.1 Interfaces for struct numeric_limits<double>**

No external methods are defined for libstdcxx - struct numeric_limits<double> in this part of the specification. See also the generic specification.

6.1.40 struct numeric_limits<short>**6.1.40.1 Interfaces for struct numeric_limits<short>**

No external methods are defined for libstdcxx - struct numeric_limits<short> in this part of the specification. See also the generic specification.

6.1.41 struct numeric_limits<unsigned short>**6.1.41.1 Interfaces for struct numeric_limits<unsigned short>**

No external methods are defined for libstdcxx - struct numeric_limits<unsigned short> in this part of the specification. See also the generic specification.

6.1.42 struct numeric_limits<int>**6.1.42.1 Interfaces for struct numeric_limits<int>**

No external methods are defined for libstdcxx - struct numeric_limits<int> in this part of the specification. See also the generic specification.

6.1.43 struct numeric_limits<unsigned int>**6.1.43.1 Interfaces for struct numeric_limits<unsigned int>**

No external methods are defined for libstdcxx - struct numeric_limits<unsigned int> in this part of the specification. See also the generic specification.

6.1.44 struct numeric_limits<long>**6.1.44.1 Interfaces for struct numeric_limits<long>**

No external methods are defined for libstdcxx - struct numeric_limits<long> in this part of the specification. See also the generic specification.

6.1.45 struct numeric_limits<unsigned long>**6.1.45.1 Interfaces for struct numeric_limits<unsigned long>**

No external methods are defined for libstdcxx - struct numeric_limits<unsigned long> in this part of the specification. See also the generic specification.

6.1.46 struct numeric_limits<wchar_t>**6.1.46.1 Interfaces for struct numeric_limits<wchar_t>**

No external methods are defined for libstdcxx - struct numeric_limits<wchar_t> in this part of the specification. See also the generic specification.

6.1.47 struct numeric_limits<unsigned char>**6.1.47.1 Interfaces for struct numeric_limits<unsigned char>**

No external methods are defined for libstdcxx - struct numeric_limits<unsigned char> in this part of the specification. See also the generic specification.

6.1.48 struct numeric_limits<signed char>**6.1.48.1 Interfaces for struct numeric_limits<signed char>**

No external methods are defined for libstdcxx - struct numeric_limits<signed char> in this part of the specification. See also the generic specification.

6.1.49 struct numeric_limits<char>**6.1.49.1 Interfaces for struct numeric_limits<char>**

No external methods are defined for libstdcxx - struct numeric_limits<char> in this part of the specification. See also the generic specification.

6.1.50 struct numeric_limits<bool>**6.1.50.1 Interfaces for struct numeric_limits<bool>**

No external methods are defined for libstdcxx - struct numeric_limits<bool> in this part of the specification. See also the generic specification.

6.1.51 struct numeric_limits<__float128>**6.1.51.1 Interfaces for struct numeric_limits<__float128>**

No external methods are defined for libstdcxx - struct numeric_limits<__float128> in this part of the specification. See also the generic specification.

An LSB conforming implementation shall provide the architecture specific data interfaces for struct numeric_limits<__float128> specified in Table 6-37, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-37 libstdcxx - struct numeric_limits<__float128> Data Interfaces

numeric_limits<__float128>::has_denorm(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_bounded(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_integer(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::round_style(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::has_infinity(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::max_exponent(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::min_exponent(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::has_quiet_NaN(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_specialized(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::max_exponent10(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::min_exponent10(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::has_denorm_loss(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::tinyness_before(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::has_signaling_NaN(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::radix(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::traps(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::digits(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::digits10(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_exact(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_iec559(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_modulo(GLIBCXX_LDBL_3.4) [ISOCXX]
numeric_limits<__float128>::is_signed(GLIBCXX_LDBL_3.4) [ISOCXX]
typeinfo for __float128 const*(CXXABI_LDBL_1.3) [CXXABI-1.86]
typeinfo for __float128*(CXXABI_LDBL_1.3) [CXXABI-1.86]
typeinfo for __float128(CXXABI_LDBL_1.3) [CXXABI-1.86]
typeinfo name for __float128 const*(CXXABI_LDBL_1.3) [CXXABI-1.86]
typeinfo name for __float128*(CXXABI_LDBL_1.3) [CXXABI-1.86]
typeinfo name for __float128(CXXABI_LDBL_1.3) [CXXABI-1.86]

6.1.52 Class `ctype_base`

6.1.52.1 Class data for `ctype_base`

The Run Time Type Information for the `std::ctype_base` class is described by Table 6-38

Table 6-38 `typeinfo` for `ctype_base`

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
Name	<code>typeinfo</code> name for <code>ctype_base</code>

6.1.52.2 Interfaces for Class `ctype_base`

No external methods are defined for `libstdc++` - Class `std::ctype_base` in this part of the specification. See also the generic specification.

6.1.53 Class `__ctype_abstract_base<char>`

6.1.53.1 Class data for `__ctype_abstract_base<char>`

The virtual table for the `std::__ctype_abstract_base<char>` class is described in the generic part of this specification.

6.1.53.2 Interfaces for Class `__ctype_abstract_base<char>`

No external methods are defined for `libstdc++` - Class `std::__ctype_abstract_base<char>` in this part of the specification. See also the generic specification.

6.1.54 Class `__ctype_abstract_base<wchar_t>`

6.1.54.1 Class data for `__ctype_abstract_base<wchar_t>`

The virtual table for the `std::__ctype_abstract_base<wchar_t>` class is described in the generic part of this specification.

6.1.54.2 Interfaces for Class `__ctype_abstract_base<wchar_t>`

No external methods are defined for `libstdc++` - Class `std::__ctype_abstract_base<wchar_t>` in this part of the specification. See also the generic specification.

6.1.55 Class `ctype<char>`

6.1.55.1 Class data for `ctype<char>`

The virtual table for the `std::ctype<char>` class is described in the generic part of this specification.

6.1.55.2 Interfaces for Class `ctype<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::ctype<char>` specified in Table 6-39, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-39 `libstdc++` - Class `ctype<char>` Function Interfaces

<code>ctype<char>::ctype(__locale_struct*, unsigned short const*, bool, unsigned</code>

int)(GLIBCXX_3.4) [ISOCXX]
ctype<char>::ctype(unsigned short const*, bool, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype<char>::ctype(__locale_struct*, unsigned short const*, bool, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype<char>::ctype(unsigned short const*, bool, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.56 Class ctype<wchar_t>

6.1.56.1 Class data for ctype<wchar_t>

The virtual table for the std::ctype<wchar_t> class is described in the generic part of this specification.

The Run Time Type Information for the std::ctype<wchar_t> class is described by Table 6-40

Table 6-40 typeinfo for ctype<wchar_t>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for ctype<wchar_t>

6.1.56.2 Interfaces for Class ctype<wchar_t>

An LSB conforming implementation shall provide the architecture specific methods for Class std::ctype<wchar_t> specified in Table 6-41, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-41 libstdcxx - Class ctype<wchar_t> Function Interfaces

ctype<wchar_t>::ctype(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype<wchar_t>::ctype(unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype<wchar_t>::ctype(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype<wchar_t>::ctype(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.57 Class ctype_byname<char>

6.1.57.1 Class data for ctype_byname<char>

The virtual table for the std::ctype_byname<char> class is described in the generic part of this specification.

The Run Time Type Information for the std::ctype_byname<char> class is described by Table 6-42

Table 6-42 typeinfo for ctype_byname<char>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
-------------	--

Name	typeinfo name for ctype_byname<char>
------	---

6.1.57.2 Interfaces for Class ctype_byname<char>

An LSB conforming implementation shall provide the architecture specific methods for Class std::ctype_byname<char> specified in Table 6-43, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-43 libstdcxx - Class ctype_byname<char> Function Interfaces

ctype_byname<char>::ctype_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype_byname<char>::ctype_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.58 Class ctype_byname<wchar_t>

6.1.58.1 Class data for ctype_byname<wchar_t>

The virtual table for the std::ctype_byname<wchar_t> class is described in the generic part of this specification.

The Run Time Type Information for the std::ctype_byname<wchar_t> class is described by Table 6-44

Table 6-44 typeinfo for ctype_byname<wchar_t>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for ctype_byname<wchar_t>

6.1.58.2 Interfaces for Class ctype_byname<wchar_t>

An LSB conforming implementation shall provide the architecture specific methods for Class std::ctype_byname<wchar_t> specified in Table 6-45, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-45 libstdcxx - Class ctype_byname<wchar_t> Function Interfaces

ctype_byname<wchar_t>::ctype_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
ctype_byname<wchar_t>::ctype_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.59 Class basic_string<char, char_traits<char>, allocator<char> >

6.1.59.1 Interfaces for Class basic_string<char, char_traits<char>, allocator<char> >

An LSB conforming implementation shall provide the architecture specific methods for Class std::basic_string<char, std::char_traits<char>,

`std::allocator<char>` > specified in Table 6-46, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-46 `libstdc++` - Class `basic_string<char, char_traits<char>, allocator<char>>` Function Interfaces

<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_of(char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_of(char const*, unsigned int, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_of(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_of(char, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_of(char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_of(char const*, unsigned int, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_of(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_of(char, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::M_check_length(unsigned int, unsigned int, char const*) const</code> (GLIBCXX_3.4.5) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_not_of(char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_not_of(char const*, unsigned int, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_not_of(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_last_not_of(char, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_not_of(char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_not_of(char const*, unsigned int, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>>::find_first_not_of(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>></code>

<code>>::find_first_not_of(char, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::at(unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::copy(char*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::find(char const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::find(char const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::find(basic_string<char, char_traits<char>, allocator<char> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::find(char, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::rfind(char const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::rfind(char const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::rfind(basic_string<char, char_traits<char>, allocator<char> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::rfind(char, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::substr(unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::compare(unsigned int, unsigned int, char const*) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::compare(unsigned int, unsigned int, char const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::compare(unsigned int, unsigned int, basic_string<char, char_traits<char>, allocator<char> > const&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::compare(unsigned int, unsigned int, basic_string<char, char_traits<char>, allocator<char> > const&, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_check(unsigned int, char const*) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_limit(unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::operator[](unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_S_construct(unsigned int, char, allocator<char> const&)(GLIBCXX_3.4)</code>

[ISOCXX]
<code>basic_string<char, char_traits<char>, allocator<char>> >::_M_replace_aux(unsigned int, unsigned int, unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_M_replace_safe(unsigned int, unsigned int, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_at(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_Rep::_M_set_length_and_sharable(unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_Rep::_M_clone(allocator<char> const&, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_Rep::_S_create(unsigned int, unsigned int, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_erase(unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_append(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_append(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_append(unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_assign(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_assign(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_assign(unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>> >::_insert(__gnu_cxx::__normal_iterator<char*, basic_string<char, char_traits<char>, allocator<char>> >, unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_insert(unsigned int, char const*)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_insert(unsigned int, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::_insert(unsigned int, basic_string<char, char_traits<char>, allocator<char>> ></code>

<code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::insert(unsigned int, basic_string<char, char_traits<char>, allocator<char> > const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::insert(unsigned int, unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::resize(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::resize(unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_copy(char*, char const*, unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_move(char*, char const*, unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(__gnu_cxx::__normal_iterator<char*, basic_string<char, char_traits<char>, allocator<char> > >, __gnu_cxx::__normal_iterator<char*, basic_string<char, char_traits<char>, allocator<char> > >, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(__gnu_cxx::__normal_iterator<char*, basic_string<char, char_traits<char>, allocator<char> > >, __gnu_cxx::__normal_iterator<char*, basic_string<char, char_traits<char>, allocator<char> > >, unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(unsigned int, unsigned int, char const*)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(unsigned int, unsigned int, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(unsigned int, unsigned int, basic_string<char, char_traits<char>, allocator<char> > const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(unsigned int, unsigned int, basic_string<char, char_traits<char>, allocator<char> > const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::replace(unsigned int, unsigned int, unsigned int, char)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::reserve(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_assign(char*, unsigned int, char)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::_M_mutate(unsigned int, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char> >::basic_string(char</code>

<code>const*, unsigned int, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(unsigned int, char, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(char const*, unsigned int, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(basic_string<char, char_traits<char>, allocator<char>> const&, unsigned int, unsigned int, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::basic_string(unsigned int, char, allocator<char> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<char, char_traits<char>, allocator<char>>::operator[](unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.60 Class `basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

6.1.60.1 Interfaces for Class `basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_string<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t>>` specified in Table 6-47, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-47 libstdc++ - Class `basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>` Function Interfaces

<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::find_last_of(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::find_last_of(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::find_last_of(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code>

<code>>::find_last_of(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_of(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_of(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_of(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_of(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::_M_check_length(unsigned int, unsigned int, char const*) const(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_last_not_of(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_last_not_of(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_last_not_of(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_last_not_of(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_not_of(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_not_of(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_not_of(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find_first_not_of(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::at(unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::copy(wchar_t*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::find(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4)</code>

[ISOCXX]
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::find(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::find(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::rfind(wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::rfind(wchar_t const*, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::rfind(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::rfind(wchar_t, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::substr(unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::compare(unsigned int, unsigned int, wchar_t const*) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::compare(unsigned int, unsigned int, wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::compare(unsigned int, unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::compare(unsigned int, unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&, unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::_M_check(unsigned int, char const*) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::_M_limit(unsigned int, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::operator[](unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::_S_construct(unsigned int, wchar_t, allocator<wchar_t> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::_M_replace_aux(unsigned int, unsigned int, unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>

<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::M_replace_safe(unsigned int, unsigned int, wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::at(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::Rep::M_set_length_and_sharable(unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::Rep::M_clone(allocator<wchar_t> const&, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::Rep::S_create(unsigned int, unsigned int, allocator<wchar_t> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::erase(unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::append(wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::append(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::append(unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::assign(wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::assign(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::assign(unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(__gnu_cxx::__normal_iterator<wchar_t*, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >, unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(unsigned int, wchar_t const*)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(unsigned int, wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::insert(unsigned int, unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::resize(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::resize(unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::M_copy(wchar_t*, wchar_t const*, unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::M_move(wchar_t*, wchar_t const*, unsigned int)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(__gnu_cxx::__normal_iterator<wchar_t*, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>>, __gnu_cxx::__normal_iterator<wchar_t*, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>>, wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(__gnu_cxx::__normal_iterator<wchar_t*, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>>, __gnu_cxx::__normal_iterator<wchar_t*, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>>, unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(unsigned int, unsigned int, wchar_t const*)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(unsigned int, unsigned int, wchar_t const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(unsigned int, unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(unsigned int, unsigned int, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::replace(unsigned int, unsigned int, unsigned int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::reserve(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::M_assign(wchar_t*, unsigned int, wchar_t)(GLIBCXX_3.4.5) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code>

<code>>::M_mutate(unsigned int, unsigned int, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(wchar_t const*, unsigned int, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t></code> <code>> const&, unsigned int, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t></code> <code>> const&, unsigned int, unsigned int, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(unsigned int, wchar_t, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(wchar_t const*, unsigned int, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t></code> <code>> const&, unsigned int, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t></code> <code>> const&, unsigned int, unsigned int, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::basic_string(unsigned int, wchar_t, allocator<wchar_t></code> <code>const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code> <code>>::operator[](unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.61 Class `basic_stringstream<char, char_traits<char>, allocator<char>>`

6.1.61.1 Class data for `basic_stringstream<char, char_traits<char>, allocator<char>>`

The virtual table for the `std::basic_stringstream<char, std::char_traits<char>, std::allocator<char>>` class is described by Table 6-48

Table 6-48 Primary vtable for `basic_stringstream<char, char_traits<char>, allocator<char>>`

Base Offset	0
Virtual Base Offset	52
RTTI	typeinfo for <code>basic_stringstream<char, char_traits<char>, allocator<char>></code>

vfunc[0]:	basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()
vfunc[1]:	basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()

Table 6-49 Secondary vtable for basic_stringstream<char, char_traits<char>, allocator<char> >

Base Offset	-8
Virtual Base Offset	44
RTTI	typeinfo for basic_stringstream<char, char_traits<char>, allocator<char> >
vfunc[0]:	non-virtual thunk to basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()
vfunc[1]:	non-virtual thunk to basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()

Table 6-50 Secondary vtable for basic_stringstream<char, char_traits<char>, allocator<char> >

Base Offset	-52
Virtual Base Offset	-52
RTTI	typeinfo for basic_stringstream<char, char_traits<char>, allocator<char> >
vfunc[0]:	virtual thunk to basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()
vfunc[1]:	virtual thunk to basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()

The VTT for the std::basic_stringstream<char, std::char_traits<char>, std::allocator<char> > class is described by Table 6-51

Table 6-51 VTT for basic_stringstream<char, char_traits<char>, allocator<char> >

VTT Name	_ZTTSt18basic_stringstreamIcSt11char_traitsIcESaIcEE
Number of Entries	10

6.1.61.2 Interfaces for Class `basic_stringstream<char, char_traits<char>, allocator<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_stringstream<char, std::char_traits<char>, std::allocator<char> >` specified in Table 6-52, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-52 libstdcxx - Class `basic_stringstream<char, char_traits<char>, allocator<char> >` Function Interfaces

non-virtual thunk to <code>basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to <code>basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_stringstream<char, char_traits<char>, allocator<char> >::~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.62 Class `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

6.1.62.1 Class data for `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

The virtual table for the `std::basic_stringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` class is described by Table 6-53

Table 6-53 Primary vtable for `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

Base Offset	0
Virtual Base Offset	52
RTTI	typeinfo for <code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()</code>
<code>vfunc[1]:</code>	<code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()</code>

Table 6-54 Secondary vtable for `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

Base Offset	-8
-------------	----

Virtual Base Offset	44
RTTI	typeinfo for basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >
vfunc[0]:	non-virtual thunk to basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()
vfunc[1]:	non-virtual thunk to basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()

Table 6-55 Secondary vtable for basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

Base Offset	-52
Virtual Base Offset	-52
RTTI	typeinfo for basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >
vfunc[0]:	virtual thunk to basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()
vfunc[1]:	virtual thunk to basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringstream()

The VTT for the std::basic_stringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> > class is described by Table 6-56

Table 6-56 VTT for basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

VTT Name	_ZTTSt18basic_stringstreamIwSt11char_traitsIwESaIwEE
Number of Entries	10

6.1.62.2 Interfaces for Class `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_stringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t>>` specified in Table 6-57, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-57 libstdcxx - Class `basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>` Function Interfaces

non-virtual thunk to <code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to <code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_stringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_stringstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.63 Class `basic_istream<char, char_traits<char>, allocator<char>>`

6.1.63.1 Class data for `basic_istream<char, char_traits<char>, allocator<char>>`

The virtual table for the `std::basic_istream<char, std::char_traits<char>, std::allocator<char>>` class is described by Table 6-58

Table 6-58 Primary vtable for `basic_istream<char, char_traits<char>, allocator<char>>`

Base Offset	0
Virtual Base Offset	48
RTTI	typeinfo for <code>basic_istream<char, char_traits<char>, allocator<char>></code>
<code>vfunc[0]:</code>	<code>basic_istream<char, char_traits<char>, allocator<char>>::~~basic_istream()</code>
<code>vfunc[1]:</code>	<code>basic_istream<char, char_traits<char>, allocator<char>>::~~basic_istream()</code>

Table 6-59 Secondary vtable for `basic_istream<char, char_traits<char>, allocator<char>>`

Base Offset	-48
Virtual Base Offset	-48
RTTI	typeinfo for <code>basic_istream<char,</code>

	char_traits<char>, allocator<char> >
vfunc[0]:	virtual thunk to basic_istream<char, char_traits<char>, allocator<char> >::~basic_istream()
vfunc[1]:	virtual thunk to basic_istream<char, char_traits<char>, allocator<char> >::~basic_istream()

The VTT for the `std::basic_istream<char, std::char_traits<char>, std::allocator<char> >` class is described by Table 6-60

Table 6-60 VTT for `basic_istream<char, char_traits<char>, allocator<char> >`

VTT Name	<code>_ZTTSt19basic_istreamIcSt11char_traitsIcESaIcEE</code>
Number of Entries	4

6.1.63.2 Interfaces for Class `basic_istream<char, char_traits<char>, allocator<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_istream<char, std::char_traits<char>, std::allocator<char> >` specified in Table 6-61, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-61 `libstdc++` - Class `basic_istream<char, char_traits<char>, allocator<char> >` Function Interfaces

virtual thunk to <code>basic_istream<char, char_traits<char>, allocator<char> >::~basic_istream()(GLIBCXX_3.4) [CXXABI-1.86]</code>
virtual thunk to <code>basic_istream<char, char_traits<char>, allocator<char> >::~basic_istream()(GLIBCXX_3.4) [CXXABI-1.86]</code>

6.1.64 Class `basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

6.1.64.1 Class data for `basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

The virtual table for the `std::basic_istream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` class is described by Table 6-62

Table 6-62 Primary vtable for `basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

Base Offset	0
Virtual Base Offset	48
RTTI	typeid for <code>basic_istream<wchar_t,</code>

	char_traits<wchar_t>, allocator<wchar_t> >
vfunc[0]:	basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_istream()
vfunc[1]:	basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_istream()

Table 6-63 Secondary vtable for basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

Base Offset	-48
Virtual Base Offset	-48
RTTI	typeinfo for basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >
vfunc[0]:	virtual thunk to basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_istream()
vfunc[1]:	virtual thunk to basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_istream()

The VTT for the std::basic_istream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> > class is described by Table 6-64

Table 6-64 VTT for basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

VTT Name	_ZTTSt19basic_istreamIwSt11char_traitsIwESaIwEE
Number of Entries	4

6.1.64.2 Interfaces for Class basic_istream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

An LSB conforming implementation shall provide the architecture specific methods for Class std::basic_istream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> > specified in Table 6-65, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-65 libstdcxx - Class basic_istringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> Function Interfaces

virtual thunk to basic_istringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_istringstream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_istringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~~basic_istringstream()(GLIBCXX_3.4) [CXXABI-1.86]

6.1.65 Class basic_ostringstream<char, char_traits<char>, allocator<char>>

6.1.65.1 Class data for basic_ostringstream<char, char_traits<char>, allocator<char>>

The virtual table for the std::basic_ostringstream<char, std::char_traits<char>, std::allocator<char>> class is described by Table 6-66

Table 6-66 Primary vtable for basic_ostringstream<char, char_traits<char>, allocator<char>>

Base Offset	0
Virtual Base Offset	44
RTTI	typeinfo for basic_ostringstream<char, char_traits<char>, allocator<char>>
vfunc[0]:	basic_ostringstream<char, char_traits<char>, allocator<char>>::~~basic_ostringstream()
vfunc[1]:	basic_ostringstream<char, char_traits<char>, allocator<char>>::~~basic_ostringstream()

Table 6-67 Secondary vtable for basic_ostringstream<char, char_traits<char>, allocator<char>>

Base Offset	-44
Virtual Base Offset	-44
RTTI	typeinfo for basic_ostringstream<char, char_traits<char>, allocator<char>>
vfunc[0]:	virtual thunk to basic_ostringstream<char, char_traits<char>, allocator<char>>::~~basic_ostringstream()
vfunc[1]:	virtual thunk to basic_ostringstream<char, char_traits<char>, allocator<char>>::~~basic_ostringstream()

The VTT for the `std::basic_ostringstream<char, std::char_traits<char>, std::allocator<char> >` class is described by Table 6-68

Table 6-68 VTT for `basic_ostringstream<char, char_traits<char>, allocator<char> >`

VTT Name	<code>_ZTTSt19basic_ostringstreamIcSt11char_traitsIcESaIcEE</code>
Number of Entries	4

6.1.65.2 Interfaces for Class `basic_ostringstream<char, char_traits<char>, allocator<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ostringstream<char, std::char_traits<char>, std::allocator<char> >` specified in Table 6-69, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-69 `libstdcxx` - Class `basic_ostringstream<char, char_traits<char>, allocator<char> >` Function Interfaces

virtual thunk to <code>basic_ostringstream<char, char_traits<char>, allocator<char> >::~basic_ostringstream()(GLIBCXX_3.4) [CXXABI-1.86]</code>
virtual thunk to <code>basic_ostringstream<char, char_traits<char>, allocator<char> >::~basic_ostringstream()(GLIBCXX_3.4) [CXXABI-1.86]</code>

6.1.66 Class `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

6.1.66.1 Class data for `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

The virtual table for the `std::basic_ostringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` class is described by Table 6-70

Table 6-70 Primary vtable for `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

Base Offset	0
Virtual Base Offset	44
RTTI	typeinfo for <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_ostringstream()</code>
<code>vfunc[1]:</code>	<code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_ostringstream()</code>

Table 6-71 Secondary vtable for `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

Base Offset	-44
Virtual Base Offset	-44
RTTI	typeinfo for <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code>
vfunc[0]:	virtual thunk to <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::~basic_ostringstream()</code>
vfunc[1]:	virtual thunk to <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> >::~basic_ostringstream()</code>

The VTT for the `std::basic_ostringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t>>` class is described by Table 6-72

Table 6-72 VTT for `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

VTT Name	<code>_ZTTSt19basic_ostringstreamIwSt11char_traitsIwESaIwEE</code>
Number of Entries	4

6.1.66.2 Interfaces for Class `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ostringstream<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t>>` specified in Table 6-73, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-73 `libstdcxx` - Class `basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>` Function Interfaces

virtual thunk to <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~basic_ostringstream()(GLIBCXX_3.4)</code> [CXXABI-1.86]
virtual thunk to <code>basic_ostringstream<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::~basic_ostringstream()(GLIBCXX_3.4)</code> [CXXABI-1.86]

6.1.67 Class `basic_stringbuf<char, char_traits<char>, allocator<char> >`

6.1.67.1 Class data for `basic_stringbuf<char, char_traits<char>, allocator<char> >`

The virtual table for the `std::basic_stringbuf<char, std::char_traits<char>, std::allocator<char> >` class is described by Table 6-74

Table 6-74 Primary vtable for `basic_stringbuf<char, char_traits<char>, allocator<char> >`

Base Offset	0
Virtual Base Offset	0
RTTI	<code>typeinfo</code> for <code>basic_stringbuf<char, char_traits<char>, allocator<char> ></code>
<code>vfunc[0]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::~~basic_stringbuf()</code>
<code>vfunc[1]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::~~basic_stringbuf()</code>
<code>vfunc[2]:</code>	<code>basic_streambuf<char, char_traits<char> >::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::setbuf(char*, int)</code>
<code>vfunc[4]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
<code>vfunc[5]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
<code>vfunc[6]:</code>	<code>basic_streambuf<char, char_traits<char> >::sync()</code>
<code>vfunc[7]:</code>	<code>basic_streambuf<char, char_traits<char> >::showmanyc()</code>
<code>vfunc[8]:</code>	<code>basic_streambuf<char, char_traits<char> >::xsgetn(char*, int)</code>
<code>vfunc[9]:</code>	<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::underflow()</code>
<code>vfunc[10]:</code>	<code>basic_streambuf<char, char_traits<char> >::uflow()</code>

vfunc[11]:	basic_stringbuf<char, char_traits<char>, allocator<char> >::pbackfail(int)
vfunc[12]:	basic_streambuf<char, char_traits<char> >::xsputn(char const*, int)
vfunc[13]:	basic_stringbuf<char, char_traits<char>, allocator<char> >::overflow(int)

The Run Time Type Information for the `std::basic_stringbuf<char, std::char_traits<char>, std::allocator<char> >` class is described by Table 6-75

Table 6-75 typeid for basic_stringbuf<char, char_traits<char>, allocator<char> >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for basic_stringbuf<char, char_traits<char>, allocator<char> >

6.1.67.2 Interfaces for Class `basic_stringbuf<char, char_traits<char>, allocator<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_stringbuf<char, std::char_traits<char>, std::allocator<char> >` specified in Table 6-76, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-76 libstdc++ - Class basic_stringbuf<char, char_traits<char>, allocator<char> > Function Interfaces

<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::setbuf(char*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::_M_sync(char*, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_stringbuf<char, char_traits<char>, allocator<char> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.68 Class `basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

6.1.68.1 Class data for `basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >`

The virtual table for the `std::basic_stringbuf<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` class is described by Table 6-77

Table 6-77 Primary vtable for `basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t>></code>
vfunc[0]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringbuf()</code>
vfunc[1]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::~basic_stringbuf()</code>
vfunc[2]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t>>::imbue(locale const&)</code>
vfunc[3]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::setbuf(wchar_t*, int)</code>
vfunc[4]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
vfunc[5]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
vfunc[6]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t>>::sync()</code>
vfunc[7]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::showmanyc()</code>
vfunc[8]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::xsgetn(wchar_t*, int)</code>
vfunc[9]:	<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>::underflow()</code>
vfunc[10]:	<code>basic_streambuf<wchar_t, char_traits<wchar_t>>::uflow()</code>

vfunc[11]:	basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::pbackfail(unsigned int)
vfunc[12]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::xspn(wchar_t const*, int)
vfunc[13]:	basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::overflow(unsigned int)

The Run Time Type Information for the `std::basic_stringbuf<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` class is described by Table 6-78

Table 6-78 typeid for basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

6.1.68.2 Interfaces for Class basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_stringbuf<wchar_t, std::char_traits<wchar_t>, std::allocator<wchar_t> >` specified in Table 6-79, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-79 libstdc++ - Class basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > Function Interfaces

<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::setbuf(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::_M_sync(wchar_t*, unsigned int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_stringbuf<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.69 Class basic_istream<char, char_traits<char> >

6.1.69.1 Class data for basic_istream<char, char_traits<char> >

The virtual table for the `std::basic_istream<char, std::char_traits<char> >` class is described by Table 6-80

Table 6-80 Primary vtable for `basic_istream<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	12
RTTI	typeinfo for <code>basic_istream<char, char_traits<char> ></code>
vfunc[0]:	<code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>
vfunc[1]:	<code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>

Table 6-81 Secondary vtable for `basic_istream<char, char_traits<char> >`

Base Offset	-8
Virtual Base Offset	4
RTTI	typeinfo for <code>basic_istream<char, char_traits<char> ></code>
vfunc[0]:	non-virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>
vfunc[1]:	non-virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>

Table 6-82 Secondary vtable for `basic_istream<char, char_traits<char> >`

Base Offset	-12
Virtual Base Offset	-12
RTTI	typeinfo for <code>basic_istream<char, char_traits<char> ></code>
vfunc[0]:	virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>
vfunc[1]:	virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>

The VTT for the `std::basic_istream<char, std::char_traits<char> >` class is described by Table 6-83

Table 6-83 VTT for `basic_istream<char, char_traits<char> >`

VTT Name	<code>_ZTTSd</code>
Number of Entries	7

6.1.69.2 Interfaces for Class `basic_iostream<char, char_traits<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_iostream<char, std::char_traits<char> >` specified in Table 6-84, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-84 libstdcxx - Class `basic_iostream<char, char_traits<char> >` Function Interfaces

non-virtual thunk to <code>basic_iostream<char, char_traits<char> >::~basic_iostream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to <code>basic_iostream<char, char_traits<char> >::~basic_iostream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_iostream<char, char_traits<char> >::~basic_iostream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_iostream<char, char_traits<char> >::~basic_iostream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.70 Class `basic_iostream<wchar_t, char_traits<wchar_t> >`

6.1.70.1 Class data for `basic_iostream<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_iostream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-85

Table 6-85 Primary vtable for `basic_iostream<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	12
RTTI	<code>typeinfo</code> for <code>basic_iostream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()</code>
<code>vfunc[1]:</code>	<code>basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()</code>

Table 6-86 Secondary vtable for `basic_iostream<wchar_t, char_traits<wchar_t> >`

Base Offset	-8
Virtual Base Offset	4
RTTI	<code>typeinfo</code> for <code>basic_iostream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	non-virtual thunk to <code>basic_iostream<wchar_t, char_traits<wchar_t> ></code>

	>::~basic_iostream()
vfunc[1]:	non-virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()

Table 6-87 Secondary vtable for basic_iostream<wchar_t, char_traits<wchar_t> >

Base Offset	-12
Virtual Base Offset	-12
RTTI	typeinfo for basic_iostream<wchar_t, char_traits<wchar_t> >
vfunc[0]:	virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()
vfunc[1]:	virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()

The VTT for the std::basic_iostream<wchar_t, std::char_traits<wchar_t> > class is described by Table 6-88

Table 6-88 VTT for basic_iostream<wchar_t, char_traits<wchar_t> >

VTT Name	_ZTTSt14basic_iostreamIwSt11char_t raitsIwEE
Number of Entries	7

6.1.70.2 Interfaces for Class basic_iostream<wchar_t, char_traits<wchar_t> >

An LSB conforming implementation shall provide the architecture specific methods for Class std::basic_iostream<wchar_t, std::char_traits<wchar_t> > specified in Table 6-89, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-89 libstdcxx - Class basic_iostream<wchar_t, char_traits<wchar_t> > Function Interfaces

non-virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()(GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_iostream<wchar_t, char_traits<wchar_t> >::~basic_iostream()(GLIBCXX_3.4) [CXXABI-1.86]

6.1.71 Class `basic_istream<char, char_traits<char> >`**6.1.71.1 Class data for `basic_istream<char, char_traits<char> >`**

The virtual table for the `std::basic_istream<char, std::char_traits<char> >` class is described by Table 6-90

Table 6-90 Primary vtable for `basic_istream<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	8
RTTI	<code>typeinfo for basic_istream<char, char_traits<char> ></code>
<code>vfunc[0]:</code>	<code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>
<code>vfunc[1]:</code>	<code>basic_istream<char, char_traits<char> >::~~basic_istream()</code>

Table 6-91 Secondary vtable for `basic_istream<char, char_traits<char> >`

Base Offset	-8
Virtual Base Offset	-8
RTTI	<code>typeinfo for basic_istream<char, char_traits<char> ></code>
<code>vfunc[0]:</code>	<code>virtual thunk to basic_istream<char, char_traits<char> >::~~basic_istream()</code>
<code>vfunc[1]:</code>	<code>virtual thunk to basic_istream<char, char_traits<char> >::~~basic_istream()</code>

The VTT for the `std::basic_istream<char, std::char_traits<char> >` class is described by Table 6-92

Table 6-92 VTT for `basic_istream<char, char_traits<char> >`

VTT Name	<code>_ZTTSi</code>
Number of Entries	2

6.1.71.2 Interfaces for Class `basic_istream<char, char_traits<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_istream<char, std::char_traits<char> >` specified in Table 6-93, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-93 `libstdcxx` - Class `basic_istream<char, char_traits<char> >` Function Interfaces

<code>basic_istream<char, char_traits<char> >& basic_istream<char, char_traits<char> ></code> <code>>::_M_extract<__float128>(__float128&)(GLIBCXX_LDBL_3.4.7) [LSB]</code>

<code>basic_istream<char, char_traits<char> >::get(char*, int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::get(char*, int, char)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::read(char*, int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::seekg(long long, _Ios_Seekdir)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::ignore(int)(GLIBCXX_3.4.5)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::ignore(int, int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::getline(char*, int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::getline(char*, int, char)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::readsome(char*, int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >::operator>>(__float128&)(GLIBCXX_LDBL_3.4)</code> [ISOCXX]
<code>basic_istream<char, char_traits<char> >& operator>><__float128, char, char_traits<char> >(basic_istream<char, char_traits<char> >&, complex<__float128>&)(GLIBCXX_LDBL_3.4)</code> [ISOCXX]
virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()(GLIBCXX_3.4)</code> [CXXABI-1.86]
virtual thunk to <code>basic_istream<char, char_traits<char> >::~~basic_istream()(GLIBCXX_3.4)</code> [CXXABI-1.86]

6.1.72 Class `basic_istream<wchar_t, char_traits<wchar_t> >`

6.1.72.1 Class data for `basic_istream<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_istream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-94

Table 6-94 Primary vtable for `basic_istream<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	8
RTTI	<code>typeinfo</code> for <code>basic_istream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_istream<wchar_t, char_traits<wchar_t> >::~~basic_istream()</code>
<code>vfunc[1]:</code>	<code>basic_istream<wchar_t,</code>

	<code>char_traits<wchar_t> >::~basic_istream()</code>
--	--

Table 6-95 Secondary vtable for `basic_istream<wchar_t, char_traits<wchar_t> >`

Base Offset	-8
Virtual Base Offset	-8
RTTI	typeinfo for <code>basic_istream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	virtual thunk to <code>basic_istream<wchar_t, char_traits<wchar_t> >::~basic_istream()</code>
<code>vfunc[1]:</code>	virtual thunk to <code>basic_istream<wchar_t, char_traits<wchar_t> >::~basic_istream()</code>

The VTT for the `std::basic_istream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-96

Table 6-96 VTT for `basic_istream<wchar_t, char_traits<wchar_t> >`

VTT Name	<code>_ZTTSt13basic_istreamIwSt11char_traitsIwEE</code>
Number of Entries	2

6.1.72.2 Interfaces for Class `basic_istream<wchar_t, char_traits<wchar_t> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_istream<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-97, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-97 `libstdcxx` - Class `basic_istream<wchar_t, char_traits<wchar_t> >` Function Interfaces

<code>basic_istream<wchar_t, char_traits<wchar_t> >& basic_istream<wchar_t, char_traits<wchar_t> >::M_extract<__float128>(__float128&)(GLIBCXX_LDBL_3.4.7) [LSB]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::get(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::get(wchar_t*, int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::read(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::ignore(int)(GLIBCXX_3.4.5) [ISOCXX]</code>

<code>basic_istream<wchar_t, char_traits<wchar_t> >::ignore(int, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::getline(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::getline(wchar_t*, int, wchar_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::readsome(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::operator>>(__float128&)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >& operator>><__float128, wchar_t, char_traits<wchar_t> >(basic_istream<wchar_t, char_traits<wchar_t> >&, complex<__float128>&)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>virtual thunk to basic_istream<wchar_t, char_traits<wchar_t> >::~basic_istream()(GLIBCXX_3.4) [CXXABI-1.86]</code>
<code>virtual thunk to basic_istream<wchar_t, char_traits<wchar_t> >::~basic_istream()(GLIBCXX_3.4) [CXXABI-1.86]</code>

6.1.73 Class `istreambuf_iterator<wchar_t, char_traits<wchar_t> >`

6.1.73.1 Interfaces for Class `istreambuf_iterator<wchar_t, char_traits<wchar_t> >`

No external methods are defined for `libstdcxx` - Class `std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> >` in this part of the specification. See also the generic specification.

6.1.74 Class `istreambuf_iterator<char, char_traits<char> >`

6.1.74.1 Interfaces for Class `istreambuf_iterator<char, char_traits<char> >`

No external methods are defined for `libstdcxx` - Class `std::istreambuf_iterator<char, std::char_traits<char> >` in this part of the specification. See also the generic specification.

6.1.75 Class `basic_ostream<char, char_traits<char> >`

6.1.75.1 Class data for `basic_ostream<char, char_traits<char> >`

The virtual table for the `std::basic_ostream<char, std::char_traits<char> >` class is described by Table 6-98

Table 6-98 Primary vtable for `basic_ostream<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	4
RTTI	<code>typeid</code> for <code>basic_ostream<char, char_traits<char> ></code>

vfunc[0]:	basic_ostream<char, char_traits<char> >::~basic_ostream()
vfunc[1]:	basic_ostream<char, char_traits<char> >::~basic_ostream()

Table 6-99 Secondary vtable for basic_ostream<char, char_traits<char> >

Base Offset	-4
Virtual Base Offset	-4
RTTI	typeinfo for basic_ostream<char, char_traits<char> >
vfunc[0]:	virtual thunk to basic_ostream<char, char_traits<char> >::~basic_ostream()
vfunc[1]:	virtual thunk to basic_ostream<char, char_traits<char> >::~basic_ostream()

The VTT for the `std::basic_ostream<char, std::char_traits<char> >` class is described by Table 6-100

Table 6-100 VTT for basic_ostream<char, char_traits<char> >

VTT Name	_ZTTS0
Number of Entries	2

6.1.75.2 Interfaces for Class basic_ostream<char, char_traits<char> >

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ostream<char, std::char_traits<char> >` specified in Table 6-101, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-101 libstdc++ - Class basic_ostream<char, char_traits<char> > Function Interfaces

<code>basic_ostream<char, char_traits<char> >::seekp(long long, _Ios_Seekdir)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_ostream<char, char_traits<char> >::write(char const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_ostream<char, char_traits<char> >::_M_write(char const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_ostream<char, char_traits<char> >& basic_ostream<char, char_traits<char> >::_M_insert<__float128>(__float128)(GLIBCXX_LDBL_3.4.7) [LSB]</code>
<code>basic_ostream<char, char_traits<char> ></code>

<code>>::operator<<(__float128)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>basic_ostream<char, char_traits<char> >& operator<< <__float128, char, char_traits<char> >(basic_ostream<char, char_traits<char> >&, complex<__float128> const&)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>virtual thunk to basic_ostream<char, char_traits<char> >::~basic_ostream()(GLIBCXX_3.4) [CXXABI-1.86]</code>
<code>virtual thunk to basic_ostream<char, char_traits<char> >::~basic_ostream()(GLIBCXX_3.4) [CXXABI-1.86]</code>

6.1.76 Class `basic_ostream<wchar_t, char_traits<wchar_t> >`

6.1.76.1 Class data for `basic_ostream<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_ostream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-102

Table 6-102 Primary vtable for `basic_ostream<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	4
RTTI	typeinfo for <code>basic_ostream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()</code>
<code>vfunc[1]:</code>	<code>basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()</code>

Table 6-103 Secondary vtable for `basic_ostream<wchar_t, char_traits<wchar_t> >`

Base Offset	-4
Virtual Base Offset	-4
RTTI	typeinfo for <code>basic_ostream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	virtual thunk to <code>basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()</code>
<code>vfunc[1]:</code>	virtual thunk to <code>basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()</code>

The VTT for the `std::basic_ostream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-104

Table 6-104 VTT for basic_ostream<wchar_t, char_traits<wchar_t> >

VTT Name	_ZTTSt13basic_ostreamIwSt11char_traitsIwEE
Number of Entries	2

6.1.76.2 Interfaces for Class basic_ostream<wchar_t, char_traits<wchar_t> >

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ostream<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-105, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-105 libstdcxx - Class basic_ostream<wchar_t, char_traits<wchar_t> > Function Interfaces

<code>basic_ostream<wchar_t, char_traits<wchar_t> >::write(wchar_t const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_ostream<wchar_t, char_traits<wchar_t> >& basic_ostream<wchar_t, char_traits<wchar_t> >::M_insert<__float128>(__float128)(GLIBCXX_LDBL_3.4.7) [LSB]</code>
<code>basic_ostream<wchar_t, char_traits<wchar_t> >::operator<<(__float128)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>basic_ostream<wchar_t, char_traits<wchar_t> >& operator<< <__float128, wchar_t, char_traits<wchar_t> >(basic_ostream<wchar_t, char_traits<wchar_t> >&, complex<__float128> const&)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>virtual thunk to basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()(GLIBCXX_3.4) [CXXABI-1.86]</code>
<code>virtual thunk to basic_ostream<wchar_t, char_traits<wchar_t> >::~basic_ostream()(GLIBCXX_3.4) [CXXABI-1.86]</code>

6.1.77 Class basic_fstream<char, char_traits<char> >

6.1.77.1 Class data for basic_fstream<char, char_traits<char> >

The virtual table for the `std::basic_fstream<char, std::char_traits<char> >` class is described by Table 6-106

Table 6-106 Primary vtable for basic_fstream<char, char_traits<char> >

Base Offset	0
Virtual Base Offset	148
RTTI	<code>typeinfo for basic_fstream<char, char_traits<char> ></code>
<code>vfunc[0]:</code>	<code>basic_fstream<char, char_traits<char> >::~basic_fstream()</code>
<code>vfunc[1]:</code>	<code>basic_fstream<char, char_traits<char> >::~basic_fstream()</code>

Table 6-107 Secondary vtable for `basic_fstream<char, char_traits<char> >`

Base Offset	-8
Virtual Base Offset	140
RTTI	typeinfo for <code>basic_fstream<char, char_traits<char> ></code>
vfunc[0]:	non-virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code>
vfunc[1]:	non-virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code>

Table 6-108 Secondary vtable for `basic_fstream<char, char_traits<char> >`

Base Offset	-148
Virtual Base Offset	-148
RTTI	typeinfo for <code>basic_fstream<char, char_traits<char> ></code>
vfunc[0]:	virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code>
vfunc[1]:	virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code>

The VTT for the `std::basic_fstream<char, std::char_traits<char> >` class is described by Table 6-109

Table 6-109 VTT for `basic_fstream<char, char_traits<char> >`

VTT Name	<code>_ZTTSt13basic_fstreamIcSt11char_traitsIcEE</code>
Number of Entries	10

6.1.77.2 Interfaces for Class `basic_fstream<char, char_traits<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_fstream<char, std::char_traits<char> >` specified in Table 6-110, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-110 `libstdcxx` - Class `basic_fstream<char, char_traits<char> >` Function Interfaces

non-virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to <code>basic_fstream<char, char_traits<char> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_fstream<char, char_traits<char> ></code>

>::~basic_fstream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_fstream<char, char_traits<char>> >::~basic_fstream()(GLIBCXX_3.4) [CXXABI-1.86]

6.1.78 Class basic_fstream<wchar_t, char_traits<wchar_t> >

6.1.78.1 Class data for basic_fstream<wchar_t, char_traits<wchar_t> >

The virtual table for the std::basic_fstream<wchar_t, std::char_traits<wchar_t> > class is described by Table 6-111

Table 6-111 Primary vtable for basic_fstream<wchar_t, char_traits<wchar_t> >

Base Offset	0
Virtual Base Offset	152
RTTI	typeinfo for basic_fstream<wchar_t, char_traits<wchar_t> >
vfunc[0]:	basic_fstream<wchar_t, char_traits<wchar_t>> >::~basic_fstream()
vfunc[1]:	basic_fstream<wchar_t, char_traits<wchar_t>> >::~basic_fstream()

Table 6-112 Secondary vtable for basic_fstream<wchar_t, char_traits<wchar_t> >

Base Offset	-8
Virtual Base Offset	144
RTTI	typeinfo for basic_fstream<wchar_t, char_traits<wchar_t> >
vfunc[0]:	non-virtual thunk to basic_fstream<wchar_t, char_traits<wchar_t>> >::~basic_fstream()
vfunc[1]:	non-virtual thunk to basic_fstream<wchar_t, char_traits<wchar_t>> >::~basic_fstream()

Table 6-113 Secondary vtable for basic_fstream<wchar_t, char_traits<wchar_t> >

Base Offset	-152
Virtual Base Offset	-152
RTTI	typeinfo for basic_fstream<wchar_t, char_traits<wchar_t> >

vfunc[0]:	virtual thunk to basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()
vfunc[1]:	virtual thunk to basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()

The VTT for the `std::basic_fstream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-114

Table 6-114 VTT for `basic_fstream<wchar_t, char_traits<wchar_t> >`

VTT Name	<code>_ZTTSt13basic_fstreamIwSt11char_traitsIwEE</code>
Number of Entries	10

6.1.78.2 Interfaces for Class `basic_fstream<wchar_t, char_traits<wchar_t> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_fstream<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-115, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-115 `libstdcxx` - Class `basic_fstream<wchar_t, char_traits<wchar_t> >` Function Interfaces

non-virtual thunk to <code>basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
non-virtual thunk to <code>basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_fstream<wchar_t, char_traits<wchar_t> >::~~basic_fstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.79 Class `basic_ifstream<char, char_traits<char> >`

6.1.79.1 Class data for `basic_ifstream<char, char_traits<char> >`

The virtual table for the `std::basic_ifstream<char, std::char_traits<char> >` class is described by Table 6-116

Table 6-116 Primary vtable for `basic_ifstream<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	144
RTTI	typeinfo for <code>basic_ifstream<char, char_traits<char> ></code>

vfunc[0]:	basic_ifstream<char, char_traits<char> >::~basic_ifstream()
vfunc[1]:	basic_ifstream<char, char_traits<char> >::~basic_ifstream()

Table 6-117 Secondary vtable for basic_ifstream<char, char_traits<char> >

Base Offset	-144
Virtual Base Offset	-144
RTTI	typeinfo for basic_ifstream<char, char_traits<char> >
vfunc[0]:	virtual thunk to basic_ifstream<char, char_traits<char> >::~basic_ifstream()
vfunc[1]:	virtual thunk to basic_ifstream<char, char_traits<char> >::~basic_ifstream()

The VTT for the std::basic_ifstream<char, std::char_traits<char> > class is described by Table 6-118

Table 6-118 VTT for basic_ifstream<char, char_traits<char> >

VTT Name	_ZTTSt14basic_ifstreamIcSt11char_traitsIcEE
Number of Entries	4

6.1.79.2 Interfaces for Class basic_ifstream<char, char_traits<char> >

An LSB conforming implementation shall provide the architecture specific methods for Class std::basic_ifstream<char, std::char_traits<char> > specified in Table 6-119, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-119 libstdc++ - Class basic_ifstream<char, char_traits<char> > Function Interfaces

virtual thunk to basic_ifstream<char, char_traits<char> >::~basic_ifstream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_ifstream<char, char_traits<char> >::~basic_ifstream()(GLIBCXX_3.4) [CXXABI-1.86]

6.1.80 Class basic_ifstream<wchar_t, char_traits<wchar_t> >

6.1.80.1 Class data for basic_ifstream<wchar_t, char_traits<wchar_t> >

The virtual table for the std::basic_ifstream<wchar_t, std::char_traits<wchar_t> > class is described by Table 6-120

Table 6-120 Primary vtable for `basic_ifstream<wchar_t, char_traits<wchar_t>>`

Base Offset	0
Virtual Base Offset	148
RTTI	typeinfo for <code>basic_ifstream<wchar_t, char_traits<wchar_t>></code>
<code>vfunc[0]:</code>	<code>basic_ifstream<wchar_t, char_traits<wchar_t>>::~~basic_ifstream()</code>
<code>vfunc[1]:</code>	<code>basic_ifstream<wchar_t, char_traits<wchar_t>>::~~basic_ifstream()</code>

Table 6-121 Secondary vtable for `basic_ifstream<wchar_t, char_traits<wchar_t>>`

Base Offset	-148
Virtual Base Offset	-148
RTTI	typeinfo for <code>basic_ifstream<wchar_t, char_traits<wchar_t>></code>
<code>vfunc[0]:</code>	virtual thunk to <code>basic_ifstream<wchar_t, char_traits<wchar_t>>::~~basic_ifstream()</code>
<code>vfunc[1]:</code>	virtual thunk to <code>basic_ifstream<wchar_t, char_traits<wchar_t>>::~~basic_ifstream()</code>

The VTT for the `std::basic_ifstream<wchar_t, std::char_traits<wchar_t>>` class is described by Table 6-122

Table 6-122 VTT for `basic_ifstream<wchar_t, char_traits<wchar_t>>`

VTT Name	<code>_ZTTSt14basic_ifstreamIwSt11char_traitsIwEE</code>
Number of Entries	4

6.1.80.2 Interfaces for Class `basic_ifstream<wchar_t, char_traits<wchar_t>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ifstream<wchar_t, std::char_traits<wchar_t>>` specified in Table 6-123, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-123 `libstdc++` - Class `basic_ifstream<wchar_t, char_traits<wchar_t>>` Function Interfaces

virtual thunk to <code>basic_ifstream<wchar_t, char_traits<wchar_t>></code>

>::~basic_ifstream()(GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to basic_ifstream<wchar_t, char_traits<wchar_t>> >::~basic_ifstream()(GLIBCXX_3.4) [CXXABI-1.86]

6.1.81 Class basic_ofstream<char, char_traits<char> >

6.1.81.1 Class data for basic_ofstream<char, char_traits<char> >

The virtual table for the std::basic_ofstream<char, std::char_traits<char> > class is described by Table 6-124

Table 6-124 Primary vtable for basic_ofstream<char, char_traits<char> >

Base Offset	0
Virtual Base Offset	140
RTTI	typeinfo for basic_ofstream<char, char_traits<char> >
vfunc[0]:	basic_ofstream<char, char_traits<char> >::~basic_ofstream()
vfunc[1]:	basic_ofstream<char, char_traits<char> >::~basic_ofstream()

Table 6-125 Secondary vtable for basic_ofstream<char, char_traits<char> >

Base Offset	-140
Virtual Base Offset	-140
RTTI	typeinfo for basic_ofstream<char, char_traits<char> >
vfunc[0]:	virtual thunk to basic_ofstream<char, char_traits<char> >::~basic_ofstream()
vfunc[1]:	virtual thunk to basic_ofstream<char, char_traits<char> >::~basic_ofstream()

The VTT for the std::basic_ofstream<char, std::char_traits<char> > class is described by Table 6-126

Table 6-126 VTT for basic_ofstream<char, char_traits<char> >

VTT Name	_ZTTSt14basic_ofstreamIcSt11char_traitsIcEE
Number of Entries	4

6.1.81.2 Interfaces for Class `basic_ofstream<char, char_traits<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ofstream<char, std::char_traits<char> >` specified in Table 6-127, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-127 libstdcxx - Class `basic_ofstream<char, char_traits<char> >` Function Interfaces

virtual thunk to <code>basic_ofstream<char, char_traits<char> >::~basic_ofstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_ofstream<char, char_traits<char> >::~basic_ofstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.82 Class `basic_ofstream<wchar_t, char_traits<wchar_t> >`

6.1.82.1 Class data for `basic_ofstream<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_ofstream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-128

Table 6-128 Primary vtable for `basic_ofstream<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	144
RTTI	typeinfo for <code>basic_ofstream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_ofstream<wchar_t, char_traits<wchar_t> >::~basic_ofstream()</code>
<code>vfunc[1]:</code>	<code>basic_ofstream<wchar_t, char_traits<wchar_t> >::~basic_ofstream()</code>

Table 6-129 Secondary vtable for `basic_ofstream<wchar_t, char_traits<wchar_t> >`

Base Offset	-144
Virtual Base Offset	-144
RTTI	typeinfo for <code>basic_ofstream<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	virtual thunk to <code>basic_ofstream<wchar_t, char_traits<wchar_t> >::~basic_ofstream()</code>
<code>vfunc[1]:</code>	virtual thunk to <code>basic_ofstream<wchar_t,</code>

	char_traits<wchar_t> >::~basic_ofstream()
--	--

The VTT for the `std::basic_ofstream<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-130

Table 6-130 VTT for `basic_ofstream<wchar_t, char_traits<wchar_t> >`

VTT Name	<code>_ZTTSt14basic_ofstreamIwSt11char_traitsIwEE</code>
Number of Entries	4

6.1.82.2 Interfaces for Class `basic_ofstream<wchar_t, char_traits<wchar_t> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_ofstream<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-131, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-131 `libstdc++` - Class `basic_ofstream<wchar_t, char_traits<wchar_t> >` Function Interfaces

virtual thunk to <code>basic_ofstream<wchar_t, char_traits<wchar_t> >::~basic_ofstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]
virtual thunk to <code>basic_ofstream<wchar_t, char_traits<wchar_t> >::~basic_ofstream()</code> (GLIBCXX_3.4) [CXXABI-1.86]

6.1.83 Class `basic_streambuf<char, char_traits<char> >`

6.1.83.1 Class data for `basic_streambuf<char, char_traits<char> >`

The virtual table for the `std::basic_streambuf<char, std::char_traits<char> >` class is described by Table 6-132

Table 6-132 Primary vtable for `basic_streambuf<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>basic_streambuf<char, char_traits<char> ></code>
<code>vfunc[0]:</code>	<code>basic_streambuf<char, char_traits<char> >::~basic_streambuf()</code>
<code>vfunc[1]:</code>	<code>basic_streambuf<char, char_traits<char> >::~basic_streambuf()</code>
<code>vfunc[2]:</code>	<code>basic_streambuf<char, char_traits<char> >::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_streambuf<char, char_traits<char> >::setbuf(char*, int)</code>

vfunc[4]:	basic_streambuf<char, char_traits<char> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)
vfunc[5]:	basic_streambuf<char, char_traits<char> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)
vfunc[6]:	basic_streambuf<char, char_traits<char> >::sync()
vfunc[7]:	basic_streambuf<char, char_traits<char> >::showmanyc()
vfunc[8]:	basic_streambuf<char, char_traits<char> >::xsgetn(char*, int)
vfunc[9]:	basic_streambuf<char, char_traits<char> >::underflow()
vfunc[10]:	basic_streambuf<char, char_traits<char> >::uflow()
vfunc[11]:	basic_streambuf<char, char_traits<char> >::pbackfail(int)
vfunc[12]:	basic_streambuf<char, char_traits<char> >::xsputn(char const*, int)
vfunc[13]:	basic_streambuf<char, char_traits<char> >::overflow(int)

The Run Time Type Information for the `std::basic_streambuf<char, std::char_traits<char> >` class is described by Table 6-133

Table 6-133 typeid for `basic_streambuf<char, char_traits<char> >`

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeid name for basic_streambuf<char, char_traits<char> >

6.1.83.2 Interfaces for Class `basic_streambuf<char, char_traits<char> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_streambuf<char, std::char_traits<char> >` specified in Table 6-134, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-134 libstdc++ - Class `basic_streambuf<char, char_traits<char> >` Function Interfaces

<code>basic_streambuf<char, char_traits<char> >::pubseekoff(long long,</code>

<code>_Ios_Seekdir, _Ios_Openmode)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::sgetn(char*, int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::sputn(char const*, int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::setbuf(char*, int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::xsgetn(char*, int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::xsputn(char const*, int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_streambuf<char, char_traits<char> >::pubsetbuf(char*, int)</code> (GLIBCXX_3.4) [ISOCXX]

6.1.84 Class `basic_streambuf<wchar_t, char_traits<wchar_t> >`

6.1.84.1 Class data for `basic_streambuf<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_streambuf<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-135

Table 6-135 Primary vtable for `basic_streambuf<wchar_t, char_traits<wchar_t> >`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>basic_streambuf<wchar_t, char_traits<wchar_t> ></code>
<code>vfunc[0]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::~~basic_streambuf()</code>
<code>vfunc[1]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::~~basic_streambuf()</code>
<code>vfunc[2]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::setbuf(wchar_t*, int)</code>
<code>vfunc[4]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::seekoff(long</code>

	long, _Ios_Seekdir, _Ios_Openmode)
vfunc[5]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)
vfunc[6]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::sync()
vfunc[7]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::showmanyc()
vfunc[8]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::xsgetn(wchar_t*, int)
vfunc[9]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::underflow()
vfunc[10]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::uflow()
vfunc[11]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::pbackfail(unsigned int)
vfunc[12]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::xsputn(wchar_t const*, int)
vfunc[13]:	basic_streambuf<wchar_t, char_traits<wchar_t> >::overflow(unsigned int)

The Run Time Type Information for the `std::basic_streambuf<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-136

Table 6-136 typeid for `basic_streambuf<wchar_t, char_traits<wchar_t> >`

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeid name for basic_streambuf<wchar_t, char_traits<wchar_t> >

6.1.84.2 Interfaces for Class `basic_streambuf<wchar_t, char_traits<wchar_t> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_streambuf<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-137, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-137 libstdc++ - Class `basic_streambuf<wchar_t, char_traits<wchar_t> >` Function Interfaces

<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::pubseekoff(long long,</code>

<code>_Ios_Seekdir, _Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::sgetn(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::sputn(wchar_t const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::setbuf(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::xsgetn(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::xsputn(wchar_t const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_streambuf<wchar_t, char_traits<wchar_t> >::pubsetbuf(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.85 Class `basic_filebuf<char, char_traits<char> >`

6.1.85.1 Class data for `basic_filebuf<char, char_traits<char> >`

The virtual table for the `std::basic_filebuf<char, std::char_traits<char> >` class is described by Table 6-138

Table 6-138 Primary vtable for `basic_filebuf<char, char_traits<char> >`

Base Offset	0
Virtual Base Offset	0
RTTI	<code>typeinfo for basic_filebuf<char, char_traits<char> ></code>
<code>vfunc[0]:</code>	<code>basic_filebuf<char, char_traits<char> >::~~basic_filebuf()</code>
<code>vfunc[1]:</code>	<code>basic_filebuf<char, char_traits<char> >::~~basic_filebuf()</code>
<code>vfunc[2]:</code>	<code>basic_filebuf<char, char_traits<char> >::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_filebuf<char, char_traits<char> >::setbuf(char*, int)</code>
<code>vfunc[4]:</code>	<code>basic_filebuf<char, char_traits<char> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
<code>vfunc[5]:</code>	<code>basic_filebuf<char, char_traits<char> >::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
<code>vfunc[6]:</code>	<code>basic_filebuf<char, char_traits<char> >::sync()</code>

vfunc[7]:	basic_filebuf<char, char_traits<char>>::showmanyc()
vfunc[8]:	basic_filebuf<char, char_traits<char>>::xsgetn(char*, int)
vfunc[9]:	basic_filebuf<char, char_traits<char>>::underflow()
vfunc[10]:	basic_streambuf<char, char_traits<char>>::uflow()
vfunc[11]:	basic_filebuf<char, char_traits<char>>::pbackfail(int)
vfunc[12]:	basic_filebuf<char, char_traits<char>>::xspn(char const*, int)
vfunc[13]:	basic_filebuf<char, char_traits<char>>::overflow(int)

The Run Time Type Information for the `std::basic_filebuf<char, std::char_traits<char>>` class is described by Table 6-139

Table 6-139 typeid for `basic_filebuf<char, char_traits<char>>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>basic_filebuf<char, char_traits<char>></code>

6.1.85.2 Interfaces for Class `basic_filebuf<char, char_traits<char>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_filebuf<char, std::char_traits<char>>` specified in Table 6-140, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-140 libstdc++ - Class `basic_filebuf<char, char_traits<char>>` Function Interfaces

<code>basic_filebuf<char, char_traits<char>>::M_set_buffer(int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::M_convert_to_external(char*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::setbuf(char*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::xsgetn(char*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::xspn(char const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::M_seek(long long, _Ios_Seekdir, __mbstate_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<char, char_traits<char>>::seekoff(long long, _Ios_Seekdir,</code>

<code>_Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.86 Class `basic_filebuf<wchar_t, char_traits<wchar_t>>`

6.1.86.1 Class data for `basic_filebuf<wchar_t, char_traits<wchar_t>>`

The virtual table for the `std::basic_filebuf<wchar_t, std::char_traits<wchar_t>>` class is described by Table 6-141

Table 6-141 Primary vtable for `basic_filebuf<wchar_t, char_traits<wchar_t>>`

Base Offset	0
Virtual Base Offset	0
RTTI	<code>typeinfo</code> for <code>basic_filebuf<wchar_t, char_traits<wchar_t>></code>
<code>vfunc[0]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::~~basic_filebuf()</code>
<code>vfunc[1]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::~~basic_filebuf()</code>
<code>vfunc[2]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::imbue(locale const&)</code>
<code>vfunc[3]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::setbuf(wchar_t*, int)</code>
<code>vfunc[4]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)</code>
<code>vfunc[5]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::seekpos(fpos<__mbstate_t>, _Ios_Openmode)</code>
<code>vfunc[6]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::sync()</code>
<code>vfunc[7]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::showmanyc()</code>
<code>vfunc[8]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::xsgetn(wchar_t*, int)</code>
<code>vfunc[9]:</code>	<code>basic_filebuf<wchar_t, char_traits<wchar_t>>::underflow()</code>
<code>vfunc[10]:</code>	<code>basic_streambuf<wchar_t, char_traits<wchar_t>>::uflow()</code>

vfunc[11]:	basic_filebuf<wchar_t, char_traits<wchar_t> >::pbackfail(unsigned int)
vfunc[12]:	basic_filebuf<wchar_t, char_traits<wchar_t> >::xspn(wchar_t const*, int)
vfunc[13]:	basic_filebuf<wchar_t, char_traits<wchar_t> >::overflow(unsigned int)

The Run Time Type Information for the `std::basic_filebuf<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-142

Table 6-142 typeid for `basic_filebuf<wchar_t, char_traits<wchar_t> >`

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for basic_filebuf<wchar_t, char_traits<wchar_t> >

6.1.86.2 Interfaces for Class `basic_filebuf<wchar_t, char_traits<wchar_t> >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::basic_filebuf<wchar_t, std::char_traits<wchar_t> >` specified in Table 6-143, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-143 libstdc++ - Class `basic_filebuf<wchar_t, char_traits<wchar_t> >` Function Interfaces

<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::M_set_buffer(int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::M_convert_to_external(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::setbuf(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::xsgetn(wchar_t*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::xspn(wchar_t const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::M_seek(long long, _Ios_Seekdir, __mbstate_t)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_filebuf<wchar_t, char_traits<wchar_t> >::seekoff(long long, _Ios_Seekdir, _Ios_Openmode)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_istream<wchar_t, char_traits<wchar_t> >::seekg(long long, _Ios_Seekdir)(GLIBCXX_3.4) [ISOCXX]</code>
<code>basic_ostream<wchar_t, char_traits<wchar_t> >::seekp(long long,</code>

<code>_Ios_Seekdir</code> (GLIBCXX_3.4) [ISOCXX]
<code>basic_ostream<wchar_t, char_traits<wchar_t> >::_M_write(wchar_t const*, int)</code> (GLIBCXX_3.4) [ISOCXX]

6.1.87 Class `ios_base`

6.1.87.1 Class data for `ios_base`

The virtual table for the `std::ios_base` class is described in the generic part of this specification.

The Run Time Type Information for the `std::ios_base` class is described by Table 6-144

Table 6-144 `typeinfo` for `ios_base`

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
Name	<code>typeinfo</code> name for <code>ios_base</code>

6.1.87.2 Interfaces for Class `ios_base`

No external methods are defined for `libstdc++` - Class `std::ios_base` in this part of the specification. See also the generic specification.

6.1.88 Class `basic_ios<char, char_traits<char> >`

6.1.88.1 Class data for `basic_ios<char, char_traits<char> >`

The virtual table for the `std::basic_ios<char, std::char_traits<char> >` class is described in the generic part of this specification.

6.1.88.2 Interfaces for Class `basic_ios<char, char_traits<char> >`

No external methods are defined for `libstdc++` - Class `std::basic_ios<char, std::char_traits<char> >` in this part of the specification. See also the generic specification.

6.1.89 Class `basic_ios<wchar_t, char_traits<wchar_t> >`

6.1.89.1 Class data for `basic_ios<wchar_t, char_traits<wchar_t> >`

The virtual table for the `std::basic_ios<wchar_t, std::char_traits<wchar_t> >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::basic_ios<wchar_t, std::char_traits<wchar_t> >` class is described by Table 6-145

Table 6-145 `typeinfo` for `basic_ios<wchar_t, char_traits<wchar_t> >`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>	
Name	<code>typeinfo</code> name for <code>basic_ios<wchar_t, char_traits<wchar_t> ></code>	
flags:	8	

basetype:	typeinfo for ios_base	1026
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6.1.89.2 Interfaces for Class `basic_ios<wchar_t, char_traits<wchar_t>>`

No external methods are defined for libstdcxx - Class `std::basic_ios<wchar_t, std::char_traits<wchar_t>>` in this part of the specification. See also the generic specification.

6.1.90 Class `ios_base::failure`

6.1.90.1 Class data for `ios_base::failure`

The virtual table for the `std::ios_base::failure` class is described in the generic part of this specification.

The Run Time Type Information for the `std::ios_base::failure` class is described by Table 6-146

Table 6-146 typeinfo for `ios_base::failure`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>ios_base::failure</code>

6.1.90.2 Interfaces for Class `ios_base::failure`

No external methods are defined for libstdcxx - Class `std::ios_base::failure` in this part of the specification. See also the generic specification.

6.1.91 Class `__timepunct<char>`

6.1.91.1 Class data for `__timepunct<char>`

The virtual table for the `std::__timepunct<char>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::__timepunct<char>` class is described by Table 6-147

Table 6-147 typeinfo for `__timepunct<char>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__timepunct<char></code>

6.1.91.2 Interfaces for Class `__timepunct<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::__timepunct<char>` specified in Table 6-148, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-148 libstdcxx - Class `__timepunct<char>` Function Interfaces

<code>__timepunct<char>::M_put(char*, unsigned int, char const*, tm const*)</code> <code>const(GLIBCXX_3.4) [ISOCXX]</code>
<code>__timepunct<char>::__timepunct(__locale_struct*, char const*, unsigned</code>

int)(GLIBCXX_3.4) [ISOCXX]
__timepunct<char>::__timepunct(__timepunct_cache<char>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
__timepunct<char>::__timepunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]
__timepunct<char>::__timepunct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
__timepunct<char>::__timepunct(__timepunct_cache<char>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
__timepunct<char>::__timepunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.92 Class `__timepunct<wchar_t>`

6.1.92.1 Class data for `__timepunct<wchar_t>`

The virtual table for the `std::__timepunct<wchar_t>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::__timepunct<wchar_t>` class is described by Table 6-149

Table 6-149 typeinfo for `__timepunct<wchar_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>__timepunct<wchar_t></code>

6.1.92.2 Interfaces for Class `__timepunct<wchar_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::__timepunct<wchar_t>` specified in Table 6-150, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-150 libstdcxx - Class `__timepunct<wchar_t>` Function Interfaces

<code>__timepunct<wchar_t>::__M_put(wchar_t*, unsigned int, wchar_t const*, tm const*) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(__locale_struct*, char const*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(__timepunct_cache<wchar_t>*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(__locale_struct*, char const*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(__timepunct_cache<wchar_t>*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>__timepunct<wchar_t>::__timepunct(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]

6.1.93 Class messages_base

6.1.93.1 Class data for messages_base

The Run Time Type Information for the std::messages_base class is described by Table 6-151

Table 6-151 typeid for messages_base

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeid name for messages_base

6.1.93.2 Interfaces for Class messages_base

No external methods are defined for libstdc++ - Class std::messages_base in this part of the specification. See also the generic specification.

6.1.94 Class messages<char>

6.1.94.1 Class data for messages<char>

The virtual table for the std::messages<char> class is described in the generic part of this specification.

6.1.94.2 Interfaces for Class messages<char>

An LSB conforming implementation shall provide the architecture specific methods for Class std::messages<char> specified in Table 6-152, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-152 libstdc++ - Class messages<char> Function Interfaces

messages<char>::messages(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
messages<char>::messages(unsigned int)(GLIBCXX_3.4) [ISOCXX]
messages<char>::messages(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
messages<char>::messages(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.95 Class messages<wchar_t>

6.1.95.1 Class data for messages<wchar_t>

The virtual table for the std::messages<wchar_t> class is described in the generic part of this specification.

6.1.95.2 Interfaces for Class messages<wchar_t>

An LSB conforming implementation shall provide the architecture specific methods for Class std::messages<wchar_t> specified in Table 6-153, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-153 libstdc++ - Class messages<wchar_t> Function Interfaces

messages<wchar_t>::messages(__locale_struct*, char const*, unsigned

<code>int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>messages<wchar_t>::messages(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>messages<wchar_t>::messages(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>messages<wchar_t>::messages(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.96 Class `messages_byname<char>`

6.1.96.1 Class data for `messages_byname<char>`

The virtual table for the `std::messages_byname<char>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::messages_byname<char>` class is described by Table 6-154

Table 6-154 `typeinfo` for `messages_byname<char>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for <code>messages_byname<char></code>

6.1.96.2 Interfaces for Class `messages_byname<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::messages_byname<char>` specified in Table 6-155, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-155 `libstdc++` - Class `messages_byname<char>` Function Interfaces

<code>messages_byname<char>::messages_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>messages_byname<char>::messages_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.97 Class `messages_byname<wchar_t>`

6.1.97.1 Class data for `messages_byname<wchar_t>`

The virtual table for the `std::messages_byname<wchar_t>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::messages_byname<wchar_t>` class is described by Table 6-156

Table 6-156 `typeinfo` for `messages_byname<wchar_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for <code>messages_byname<wchar_t></code>

6.1.97.2 Interfaces for Class `messages_byname<wchar_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::messages_byname<wchar_t>` specified in Table 6-157, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-157 libstdcxx - Class `messages_byname<wchar_t>` Function Interfaces

<code>messages_byname<wchar_t>::messages_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>messages_byname<wchar_t>::messages_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.98 Class `numpunct<char>`

6.1.98.1 Class data for `numpunct<char>`

The virtual table for the `std::numpunct<char>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::numpunct<char>` class is described by Table 6-158

Table 6-158 typeid for `numpunct<char>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>numpunct<char></code>

6.1.98.2 Interfaces for Class `numpunct<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::numpunct<char>` specified in Table 6-159, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-159 libstdcxx - Class `numpunct<char>` Function Interfaces

<code>numpunct<char>::numpunct(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<char>::numpunct(__numpunct_cache<char>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<char>::numpunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<char>::numpunct(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<char>::numpunct(__numpunct_cache<char>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<char>::numpunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.99 Class `numpunct<wchar_t>`

6.1.99.1 Class data for `numpunct<wchar_t>`

The virtual table for the `std::numpunct<wchar_t>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::numpunct<wchar_t>` class is described by Table 6-160

Table 6-160 typeinfo for `numpunct<wchar_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>numpunct<wchar_t></code>

6.1.99.2 Interfaces for Class `numpunct<wchar_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::numpunct<wchar_t>` specified in Table 6-161, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-161 `libstdcxx` - Class `numpunct<wchar_t>` Function Interfaces

<code>numpunct<wchar_t>::numpunct(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<wchar_t>::numpunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<wchar_t>::numpunct(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct<wchar_t>::numpunct(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.100 Class `numpunct_byname<char>`

6.1.100.1 Class data for `numpunct_byname<char>`

The virtual table for the `std::numpunct_byname<char>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::numpunct_byname<char>` class is described by Table 6-162

Table 6-162 typeinfo for `numpunct_byname<char>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>numpunct_byname<char></code>

6.1.100.2 Interfaces for Class `numpunct_byname<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::numpunct_byname<char>` specified in Table 6-163, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-163 libstdcxx - Class `numpunct_byname<char>` Function Interfaces

<code>numpunct_byname<char>::numpunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct_byname<char>::numpunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.101 Class `numpunct_byname<wchar_t>`**6.1.101.1 Class data for `numpunct_byname<wchar_t>`**

The virtual table for the `std::numpunct_byname<wchar_t>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::numpunct_byname<wchar_t>` class is described by Table 6-164

Table 6-164 `typeinfo` for `numpunct_byname<wchar_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>numpunct_byname<wchar_t></code>

6.1.101.2 Interfaces for Class `numpunct_byname<wchar_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::numpunct_byname<wchar_t>` specified in Table 6-165, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-165 libstdcxx - Class `numpunct_byname<wchar_t>` Function Interfaces

<code>numpunct_byname<wchar_t>::numpunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>numpunct_byname<wchar_t>::numpunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.102 Class `__codecvt_abstract_base<wchar_t, char, __mbstate_t>`**6.1.102.1 Class data for `__codecvt_abstract_base<wchar_t, char, __mbstate_t>`**

The virtual table for the `std::__codecvt_abstract_base<wchar_t, char, __mbstate_t>` class is described in the generic part of this specification.

6.1.102.2 Interfaces for Class `__codecvt_abstract_base<wchar_t, char, __mbstate_t>`

No external methods are defined for libstdcxx - Class `std::__codecvt_abstract_base<wchar_t, char, __mbstate_t>` in this part of the specification. See also the generic specification.

6.1.103 Class `codecvt_base`

6.1.103.1 Class data for `codecvt_base`

The Run Time Type Information for the `std::codecvt_base` class is described by Table 6-166

Table 6-166 `typeinfo` for `codecvt_base`

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
Name	<code>typeinfo</code> name for <code>codecvt_base</code>

6.1.103.2 Interfaces for Class `codecvt_base`

No external methods are defined for `libstdc++` - Class `std::codecvt_base` in this part of the specification. See also the generic specification.

6.1.104 Class `codecvt<char, char, __mbstate_t>`

6.1.104.1 Class data for `codecvt<char, char, __mbstate_t>`

The virtual table for the `std::codecvt<char, char, __mbstate_t>` class is described by Table 6-167

Table 6-167 Primary vtable for `codecvt<char, char, __mbstate_t>`

Base Offset	0
Virtual Base Offset	0
RTTI	<code>typeinfo</code> for <code>codecvt<char, char, __mbstate_t></code>
<code>vfunc[0]:</code>	<code>codecvt<char, char, __mbstate_t>::~~codecvt()</code>
<code>vfunc[1]:</code>	<code>codecvt<char, char, __mbstate_t>::~~codecvt()</code>
<code>vfunc[2]:</code>	<code>codecvt<char, char, __mbstate_t>::do_out(__mbstate_t&, char const*, char const*, char const*&, char*, char*, char*&) const</code>
<code>vfunc[3]:</code>	<code>codecvt<char, char, __mbstate_t>::do_unshift(__mbstate_t&, char*, char*, char*&) const</code>
<code>vfunc[4]:</code>	<code>codecvt<char, char, __mbstate_t>::do_in(__mbstate_t&, char const*, char const*, char const*&, char*, char*, char*&) const</code>
<code>vfunc[5]:</code>	<code>codecvt<char, char, __mbstate_t>::do_encoding() const</code>
<code>vfunc[6]:</code>	<code>codecvt<char, char, __mbstate_t>::do_always_noconv() const</code>

vfunc[7]:	codecvt<char, char, __mbstate_t>::do_length(__mbstate_t &, char const*, char const*, unsigned int) const
vfunc[8]:	codecvt<char, char, __mbstate_t>::do_max_length() const

The Run Time Type Information for the `std::codecvt<char, char, __mbstate_t>` class is described by Table 6-168

Table 6-168 typeinfo for `codecvt<char, char, __mbstate_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>codecvt<char, char, __mbstate_t></code>

6.1.104.2 Class data for `__codecvt_abstract_base<char, char, __mbstate_t>`

The virtual table for the `std::__codecvt_abstract_base<char, char, __mbstate_t>` class is described in the generic part of this specification.

6.1.104.3 Interfaces for Class `codecvt<char, char, __mbstate_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::codecvt<char, char, __mbstate_t>` specified in Table 6-169, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-169 libstdcxx - Class `codecvt<char, char, __mbstate_t>` Function Interfaces

<code>codecvt<char, char, __mbstate_t>::do_length(__mbstate_t&, char const*, char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<char, char, __mbstate_t>::codecvt(__locale_struct*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<char, char, __mbstate_t>::codecvt(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<char, char, __mbstate_t>::codecvt(__locale_struct*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<char, char, __mbstate_t>::codecvt(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]

6.1.105 Class `codecvt<wchar_t, char, __mbstate_t>`

6.1.105.1 Class data for `codecvt<wchar_t, char, __mbstate_t>`

The virtual table for the `std::codecvt<wchar_t, char, __mbstate_t>` class is described by Table 6-170

Table 6-170 Primary vtable for `codecvt<wchar_t, char, __mbstate_t>`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>codecvt<wchar_t, char, __mbstate_t></code>
vfunc[0]:	<code>codecvt<wchar_t, char, __mbstate_t>::~~codecvt()</code>
vfunc[1]:	<code>codecvt<wchar_t, char, __mbstate_t>::~~codecvt()</code>
vfunc[2]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_out(__mbstate_t&, wchar_t const*, wchar_t const*, wchar_t const*&, char*, char*, char*&) const</code>
vfunc[3]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_unshift(__mbstate_t&, char*, char*, char*&) const</code>
vfunc[4]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_in(__mbstate_t&, char const*, char const*, char const*&, wchar_t*, wchar_t*, wchar_t*&) const</code>
vfunc[5]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_encoding() const</code>
vfunc[6]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_always_noconv() const</code>
vfunc[7]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_length(__mbstate_t&, char const*, char const*, unsigned int) const</code>
vfunc[8]:	<code>codecvt<wchar_t, char, __mbstate_t>::do_max_length() const</code>

The Run Time Type Information for the `std::codecvt<wchar_t, char, __mbstate_t>` class is described by Table 6-171

Table 6-171 typeinfo for `codecvt<wchar_t, char, __mbstate_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>codecvt<wchar_t, char, __mbstate_t></code>

6.1.105.2 Interfaces for Class `codecvt<wchar_t, char, __mbstate_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::codecvt<wchar_t, char, __mbstate_t>` specified in Table

6-172, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-172 libstdcxx - Class `codecvt<wchar_t, char, __mbstate_t>` Function Interfaces

<code>codecvt<wchar_t, char, __mbstate_t>::do_length(__mbstate_t&, char const*, char const*, unsigned int) const</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<wchar_t, char, __mbstate_t>::codecvt(__locale_struct*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<wchar_t, char, __mbstate_t>::codecvt(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<wchar_t, char, __mbstate_t>::codecvt(__locale_struct*, unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>codecvt<wchar_t, char, __mbstate_t>::codecvt(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]

6.1.106 Class `codecvt_byname<char, char, __mbstate_t>`

6.1.106.1 Class data for `codecvt_byname<char, char, __mbstate_t>`

The virtual table for the `std::codecvt_byname<char, char, __mbstate_t>` class is described by Table 6-173

Table 6-173 Primary vtable for `codecvt_byname<char, char, __mbstate_t>`

Base Offset	0
Virtual Base Offset	0
RTTI	<code>typeinfo for codecvt_byname<char, char, __mbstate_t></code>
<code>vfunc[0]:</code>	<code>codecvt_byname<char, char, __mbstate_t>::~~codecvt_byname()</code>
<code>vfunc[1]:</code>	<code>codecvt_byname<char, char, __mbstate_t>::~~codecvt_byname()</code>
<code>vfunc[2]:</code>	<code>codecvt<char, char, __mbstate_t>::do_out(__mbstate_t&, char const*, char const*, char const*&, char*, char*, char*&) const</code>
<code>vfunc[3]:</code>	<code>codecvt<char, char, __mbstate_t>::do_unshift(__mbstate_t&, char*, char*, char*&) const</code>
<code>vfunc[4]:</code>	<code>codecvt<char, char, __mbstate_t>::do_in(__mbstate_t&, char const*, char const*, char const*&, char*, char*, char*&) const</code>
<code>vfunc[5]:</code>	<code>codecvt<char, char, __mbstate_t>::do_encoding() const</code>
<code>vfunc[6]:</code>	<code>codecvt<char, char,</code>

	<code>__mbstate_t::do_always_noconv()</code> const
<code>vfunc[7]:</code>	<code>codecvt<char, char,</code> <code>__mbstate_t::do_length(__mbstate_t</code> <code>&, char const*, char const*, unsigned</code> <code>int) const</code>
<code>vfunc[8]:</code>	<code>codecvt<char, char,</code> <code>__mbstate_t::do_max_length() const</code>

The Run Time Type Information for the `std::codecvt_byname<char, char, __mbstate_t>` class is described by Table 6-174

Table 6-174 typeinfo for `codecvt_byname<char, char, __mbstate_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>codecvt_byname<char, char,</code> <code>__mbstate_t></code>

6.1.106.2 Interfaces for Class `codecvt_byname<char, char, __mbstate_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::codecvt_byname<char, char, __mbstate_t>` specified in Table 6-175, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-175 libstdcxx - Class `codecvt_byname<char, char, __mbstate_t>` Function Interfaces

<code>codecvt_byname<char, char, __mbstate_t::codecvt_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>codecvt_byname<char, char, __mbstate_t::codecvt_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.107 Class `codecvt_byname<wchar_t, char, __mbstate_t>`

6.1.107.1 Class data for `codecvt_byname<wchar_t, char, __mbstate_t>`

The virtual table for the `std::codecvt_byname<wchar_t, char, __mbstate_t>` class is described by Table 6-176

Table 6-176 Primary vtable for `codecvt_byname<wchar_t, char, __mbstate_t>`

Base Offset	0
Virtual Base Offset	0
RTTI	typeinfo for <code>codecvt_byname<wchar_t, char,</code> <code>__mbstate_t></code>
<code>vfunc[0]:</code>	<code>codecvt_byname<wchar_t, char,</code>

	<code>__mbstate_t>::~~codecvt_byname()</code>
<code>vfunc[1]:</code>	<code>codecvt_byname<wchar_t, char, __mbstate_t>::~~codecvt_byname()</code>
<code>vfunc[2]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_out(__mbstate_t&, wchar_t const*, wchar_t const*, wchar_t const*&, char*, char*, char*&) const</code>
<code>vfunc[3]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_unshift(__mbstate_t&, char*, char*, char*&) const</code>
<code>vfunc[4]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_in(__mbstate_t&, char const*, char const*, char const*&, wchar_t*, wchar_t*, wchar_t*&) const</code>
<code>vfunc[5]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_encoding() const</code>
<code>vfunc[6]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_always_noconv() const</code>
<code>vfunc[7]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_length(__mbstate_t&, char const*, char const*, unsigned int) const</code>
<code>vfunc[8]:</code>	<code>codecvt<wchar_t, char, __mbstate_t>::do_max_length() const</code>

The Run Time Type Information for the `std::codecvt_byname<wchar_t, char, __mbstate_t>` class is described by Table 6-177

Table 6-177 typeinfo for `codecvt_byname<wchar_t, char, __mbstate_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>codecvt_byname<wchar_t, char, __mbstate_t></code>

6.1.107.2 Class data for `collate_byname<wchar_t>`

The virtual table for the `std::collate_byname<wchar_t>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::collate_byname<wchar_t>` class is described by Table 6-178

Table 6-178 typeinfo for `collate_byname<wchar_t>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
-------------	--

Name	typeinfo name for collate_byname<wchar_t>
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6.1.107.3 Interfaces for Class `codecvt_byname<wchar_t, char, __mbstate_t>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::codecvt_byname<wchar_t, char, __mbstate_t>` specified in Table 6-179, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-179 libstdcxx - Class `codecvt_byname<wchar_t, char, __mbstate_t>` Function Interfaces

<code>codecvt_byname<wchar_t, char, __mbstate_t>::codecvt_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>codecvt_byname<wchar_t, char, __mbstate_t>::codecvt_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate_byname<wchar_t>::collate_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate_byname<wchar_t>::collate_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.108 Class `collate<char>`

6.1.108.1 Class data for `collate<char>`

The virtual table for the `std::collate<char>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::collate<char>` class is described by Table 6-180

Table 6-180 typeinfo for `collate<char>`

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for <code>collate<char></code>

6.1.108.2 Interfaces for Class `collate<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::collate<char>` specified in Table 6-181, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-181 libstdcxx - Class `collate<char>` Function Interfaces

<code>collate<char>::_M_transform(char*, char const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate<char>::collate(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate<char>::collate(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate<char>::collate(__locale_struct*, unsigned int)(GLIBCXX_3.4)</code>

[ISOCXX]
collate<char>::collate(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.109 Class collate<wchar_t>

6.1.109.1 Class data for collate<wchar_t>

The virtual table for the std::collate<wchar_t> class is described in the generic part of this specification.

The Run Time Type Information for the std::collate<wchar_t> class is described by Table 6-182

Table 6-182 typeinfo for collate<wchar_t>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for collate<wchar_t>

6.1.109.2 Interfaces for Class collate<wchar_t>

An LSB conforming implementation shall provide the architecture specific methods for Class std::collate<wchar_t> specified in Table 6-183, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-183 libstdcxx - Class collate<wchar_t> Function Interfaces

collate<wchar_t>::_M_transform(wchar_t*, wchar_t const*, unsigned int) const(GLIBCXX_3.4) [ISOCXX]
collate<wchar_t>::collate(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
collate<wchar_t>::collate(unsigned int)(GLIBCXX_3.4) [ISOCXX]
collate<wchar_t>::collate(__locale_struct*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
collate<wchar_t>::collate(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.110 Class collate_byname<char>

6.1.110.1 Class data for collate_byname<char>

The virtual table for the std::collate_byname<char> class is described in the generic part of this specification.

The Run Time Type Information for the std::collate_byname<char> class is described by Table 6-184

Table 6-184 typeinfo for collate_byname<char>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for collate_byname<char>

6.1.110.2 Interfaces for Class `collate_byname<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::collate_byname<char>` specified in Table 6-185, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-185 `libstdcxx` - Class `collate_byname<char>` Function Interfaces

<code>collate_byname<char>::collate_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>collate_byname<char>::collate_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.111 Class `time_base`**6.1.111.1 Class data for `time_base`**

The Run Time Type Information for the `std::time_base` class is described by Table 6-186

Table 6-186 `typeinfo` for `time_base`

Base Vtable	vtable for <code>__cxxabiv1::__class_type_info</code>
Name	<code>typeinfo</code> name for <code>time_base</code>

6.1.111.2 Interfaces for Class `time_base`

No external methods are defined for `libstdcxx` - Class `std::time_base` in this part of the specification. See also the generic specification.

6.1.112 Class `time_get_byname<char, istreambuf_iterator<char, char_traits<char>>>`**6.1.112.1 Class data for `time_get_byname<char, istreambuf_iterator<char, char_traits<char>>>`**

The virtual table for the `std::time_get_byname<char, std::istreambuf_iterator<char, std::char_traits<char>>>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::time_get_byname<char, std::istreambuf_iterator<char, std::char_traits<char>>>` class is described by Table 6-187

Table 6-187 `typeinfo` for `time_get_byname<char, istreambuf_iterator<char, char_traits<char>>>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for <code>time_get_byname<char, istreambuf_iterator<char, char_traits<char>>></code>

6.1.112.2 Interfaces for Class `time_get_byname<char, istreambuf_iterator<char, char_traits<char>>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::time_get_byname<char, std::istreambuf_iterator<char, std::char_traits<char>>>` specified in Table 6-188, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-188 libstdcxx - Class `time_get_byname<char, istreambuf_iterator<char, char_traits<char>>>` Function Interfaces

<code>time_get_byname<char, istreambuf_iterator<char, char_traits<char>>></code> <code>>::time_get_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>time_get_byname<char, istreambuf_iterator<char, char_traits<char>>></code> <code>>::time_get_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.113 Class `time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

6.1.113.1 Class data for `time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

The virtual table for the `std::time_get_byname<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::time_get_byname<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` class is described by Table 6-189

Table 6-189 typeid for `time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>></code>

6.1.113.2 Interfaces for Class `time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::time_get_byname<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` specified in Table 6-190, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-190 libstdcxx - Class `time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>` Function Interfaces

<code>time_get_byname<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>></code> <code>>::time_get_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>time_get_byname<wchar_t, istreambuf_iterator<wchar_t,</code>

char_traits<wchar_t> > >::time_get_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.114 Class time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >

6.1.114.1 Class data for time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >

The virtual table for the std::time_put_byname<char, std::ostreambuf_iterator<char, std::char_traits<char> > > class is described in the generic part of this specification.

The Run Time Type Information for the std::time_put_byname<char, std::ostreambuf_iterator<char, std::char_traits<char> > > class is described by Table 6-191

Table 6-191 typeinfo for time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >

6.1.114.2 Interfaces for Class time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >

An LSB conforming implementation shall provide the architecture specific methods for Class std::time_put_byname<char, std::ostreambuf_iterator<char, std::char_traits<char> > > specified in Table 6-192, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-192 libstdcxx - Class time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > > Function Interfaces

time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >::time_put_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
time_put_byname<char, ostreambuf_iterator<char, char_traits<char> > >::time_put_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.115 Class time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >

6.1.115.1 Class data for time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >

The virtual table for the std::time_put_byname<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > > class is described in the generic part of this specification.

The Run Time Type Information for the std::time_put_byname<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > > class is described by Table 6-193

Table 6-193 typeinfo for time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

6.1.115.2 Interfaces for Class time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

An LSB conforming implementation shall provide the architecture specific methods for Class std::time_put_byname<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t>>> specified in Table 6-194, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-194 libstdcxx - Class time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>> Function Interfaces

time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::time_put_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
time_put_byname<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::time_put_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.116 Class time_get<char, istreambuf_iterator<char, char_traits<char>>>

6.1.116.1 Class data for time_get<char, istreambuf_iterator<char, char_traits<char>>>

The virtual table for the std::time_get<char, std::istreambuf_iterator<char, std::char_traits<char>>> class is described in the generic part of this specification.

6.1.116.2 Interfaces for Class time_get<char, istreambuf_iterator<char, char_traits<char>>>

An LSB conforming implementation shall provide the architecture specific methods for Class std::time_get<char, std::istreambuf_iterator<char, std::char_traits<char>>> specified in Table 6-195, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-195 libstdcxx - Class time_get<char, istreambuf_iterator<char, char_traits<char>>> Function Interfaces

time_get<char, istreambuf_iterator<char, char_traits<char>>>::M_extract_num(istreambuf_iterator<char, char_traits<char>>, istreambuf_iterator<char, char_traits<char>>, int&, int, int, unsigned int, ios_base&, _Ios_Iostate&) const(GLIBCXX_3.4) [ISOCXX]
time_get<char, istreambuf_iterator<char, char_traits<char>>>

<code>>::M_extract_name(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, int&, char const**, unsigned int, ios_base&, _Ios_ostate&) const(GLIBCXX_3.4) [ISOCXX]</code>
--

<code>time_get<char, istreambuf_iterator<char, char_traits<char> > > >::time_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
--

<code>time_get<char, istreambuf_iterator<char, char_traits<char> > > >::time_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
--

6.1.117 Class `time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

6.1.117.1 Class data for `time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

The virtual table for the `std::time_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described in the generic part of this specification.

6.1.117.2 Interfaces for Class `time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::time_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-196, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-196 libstdc++ - Class `time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Function Interfaces

<code>time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > >::M_extract_num(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, int&, int, int, unsigned int, ios_base&, _Ios_ostate&) const(GLIBCXX_3.4) [ISOCXX]</code>

<code>time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > >::M_extract_name(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, int&, wchar_t const**, unsigned int, ios_base&, _Ios_ostate&) const(GLIBCXX_3.4) [ISOCXX]</code>

<code>time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > >::time_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

<code>time_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > >::time_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.118 Class `time_put<char, ostreambuf_iterator<char, char_traits<char> > >`

6.1.118.1 Class data for `time_put<char, ostreambuf_iterator<char, char_traits<char> > >`

The virtual table for the `std::time_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::time_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` class is described by Table 6-197

Table 6-197 typeinfo for `time_put<char, ostreambuf_iterator<char, char_traits<char> > >`

Base Vtable	vtable for __cxxabiv1::__si_class_t type_info	
Name	typeinfo name for <code>time_put<char, ostreambuf_iterator<ch ar, char_traits<char> > ></code>	
flags:	8	
basetype:	typeinfo for <code>locale::facet</code>	
basetype:	typeinfo for <code>time_base</code>	2

6.1.118.2 Interfaces for Class `time_put<char, ostreambuf_iterator<char, char_traits<char> > >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::time_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-198, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-198 libstdc++ - Class `time_put<char, ostreambuf_iterator<char, char_traits<char> > >` Function Interfaces

<code>time_put<char, ostreambuf_iterator<char, char_traits<char> > ></code> <code>>::time_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>time_put<char, ostreambuf_iterator<char, char_traits<char> > ></code> <code>>::time_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.119 Class `time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

6.1.119.1 Class data for `time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

The virtual table for the `std::time_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::time_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described by Table 6-199

Table 6-199 typeinfo for `time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

Base Vtable	vtable for __cxxabiv1::__si_class_t	
-------------	--	--

	type_info	
Name	typeinfo name for time_put<wchar_t, ostreambuf_iterator<wc har_t, char_traits<wchar_t> > >	
flags:	8	
basetype:	typeinfo for locale::facet	2
basetype:	typeinfo for time_base	2

6.1.119.2 Interfaces for Class `time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::time_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-200, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-200 libstdcxx - Class `time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Function Interfaces

<code>time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::time_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>time_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::time_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.120 Class `money_punct<char, false>`

6.1.120.1 Class data for `money_punct<char, false>`

The virtual table for the `std::money_punct<char, false>` class is described in the generic part of this specification.

6.1.120.2 Interfaces for Class `money_punct<char, false>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::money_punct<char, false>` specified in Table 6-201, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-201 libstdcxx - Class `money_punct<char, false>` Function Interfaces

<code>money_punct<char, false>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_punct<char, false>::money_punct(__money_punct_cache<char, false>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_punct<char, false>::money_punct(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_punct<char, false>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_punct<char, false>::money_punct(__money_punct_cache<char, false>*,</code>

unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, false>::money_punct(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.121 Class money_punct<char, true>

6.1.121.1 Class data for money_punct<char, true>

The virtual table for the std::money_punct<char, true> class is described in the generic part of this specification.

6.1.121.2 Interfaces for Class money_punct<char, true>

An LSB conforming implementation shall provide the architecture specific methods for Class std::money_punct<char, true> specified in Table 6-202, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-202 libstdc++ - Class money_punct<char, true> Function Interfaces

money_punct<char, true>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, true>::money_punct(__money_punct_cache<char, true>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, true>::money_punct(unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, true>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, true>::money_punct(__money_punct_cache<char, true>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<char, true>::money_punct(unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.122 Class money_punct<wchar_t, false>

6.1.122.1 Class data for money_punct<wchar_t, false>

The virtual table for the std::money_punct<wchar_t, false> class is described in the generic part of this specification.

6.1.122.2 Interfaces for Class money_punct<wchar_t, false>

An LSB conforming implementation shall provide the architecture specific methods for Class std::money_punct<wchar_t, false> specified in Table 6-203, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-203 libstdc++ - Class money_punct<wchar_t, false> Function Interfaces

money_punct<wchar_t, false>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
money_punct<wchar_t, false>::money_punct(__money_punct_cache<wchar_t, false>*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

<code>money_punct<wchar_t, false>::money_punct(unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, false>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, false>::money_punct(__money_punct_cache<wchar_t, false>*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, false>::money_punct(unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]

6.1.123 Class `money_punct<wchar_t, true>`

6.1.123.1 Class data for `money_punct<wchar_t, true>`

The virtual table for the `std::money_punct<wchar_t, true>` class is described in the generic part of this specification.

6.1.123.2 Interfaces for Class `money_punct<wchar_t, true>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::money_punct<wchar_t, true>` specified in Table 6-204, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-204 libstdc++ - Class `money_punct<wchar_t, true>` Function Interfaces

<code>money_punct<wchar_t, true>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, true>::money_punct(__money_punct_cache<wchar_t, true>*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, true>::money_punct(unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, true>::money_punct(__locale_struct*, char const*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, true>::money_punct(__money_punct_cache<wchar_t, true>*, unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]
<code>money_punct<wchar_t, true>::money_punct(unsigned int)(GLIBCXX_3.4)</code> [ISOCXX]

6.1.124 Class `money_punct_byname<char, false>`

6.1.124.1 Class data for `money_punct_byname<char, false>`

The virtual table for the `std::money_punct_byname<char, false>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::money_punct_byname<char, false>` class is described by Table 6-205

Table 6-205 typeid for `money_punct_byname<char, false>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
-------------	---

Name	typeinfo name for moneypunct_byname<char, false>
------	---

6.1.124.2 Interfaces for Class moneypunct_byname<char, false>

An LSB conforming implementation shall provide the architecture specific methods for Class std::moneypunct_byname<char, false> specified in Table 6-206, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-206 libstdcxx - Class moneypunct_byname<char, false> Function Interfaces

moneypunct_byname<char, false>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
moneypunct_byname<char, false>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.125 Class moneypunct_byname<char, true>

6.1.125.1 Class data for moneypunct_byname<char, true>

The virtual table for the std::moneypunct_byname<char, true> class is described in the generic part of this specification.

The Run Time Type Information for the std::moneypunct_byname<char, true> class is described by Table 6-207

Table 6-207 typeinfo for moneypunct_byname<char, true>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for moneypunct_byname<char, true>

6.1.125.2 Interfaces for Class moneypunct_byname<char, true>

An LSB conforming implementation shall provide the architecture specific methods for Class std::moneypunct_byname<char, true> specified in Table 6-208, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-208 libstdcxx - Class moneypunct_byname<char, true> Function Interfaces

moneypunct_byname<char, true>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]
moneypunct_byname<char, true>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.126 Class moneypunct_byname<wchar_t, false>

6.1.126.1 Class data for moneypunct_byname<wchar_t, false>

The virtual table for the std::moneypunct_byname<wchar_t, false> class is described in the generic part of this specification.

The Run Time Type Information for the `std::moneypunct_byname<wchar_t, false>` class is described by Table 6-209

Table 6-209 typeid for moneypunct_byname<wchar_t, false>

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>moneypunct_byname<wchar_t, false></code>

6.1.126.2 Interfaces for Class `moneypunct_byname<wchar_t, false>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::moneypunct_byname<wchar_t, false>` specified in Table 6-210, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-210 libstdc++ - Class `moneypunct_byname<wchar_t, false>` Function Interfaces

<code>moneypunct_byname<wchar_t, false>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>moneypunct_byname<wchar_t, false>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.127 Class `moneypunct_byname<wchar_t, true>`

6.1.127.1 Class data for `moneypunct_byname<wchar_t, true>`

The virtual table for the `std::moneypunct_byname<wchar_t, true>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::moneypunct_byname<wchar_t, true>` class is described by Table 6-211

Table 6-211 typeid for moneypunct_byname<wchar_t, true>

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>moneypunct_byname<wchar_t, true></code>

6.1.127.2 Interfaces for Class `moneypunct_byname<wchar_t, true>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::moneypunct_byname<wchar_t, true>` specified in Table 6-212, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-212 libstdc++ - Class `moneypunct_byname<wchar_t, true>` Function Interfaces

<code>moneypunct_byname<wchar_t, true>::moneypunct_byname(char const*, unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

```
money_punct_byname<wchar_t, true>::money_punct_byname(char const*,
unsigned int)(GLIBCXX_3.4) [ISOCXX]
```

6.1.128 Class money_base

6.1.128.1 Class data for money_base

The Run Time Type Information for the `std::money_base` class is described by Table 6-213

Table 6-213 typeinfo for money_base

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for money_base

6.1.128.2 Interfaces for Class money_base

No external methods are defined for `libstdc++` - Class `std::money_base` in this part of the specification. See also the generic specification.

6.1.129 Class money_get<char, istreambuf_iterator<char, char_traits<char> > >

6.1.129.1 Class data for money_get<char, istreambuf_iterator<char, char_traits<char> > >

The virtual table for the `std::money_get<char, std::istreambuf_iterator<char, std::char_traits<char> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::money_get<char, std::istreambuf_iterator<char, std::char_traits<char> > >` class is described by Table 6-214

Table 6-214 typeinfo for money_get<char, istreambuf_iterator<char, char_traits<char> > >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for money_get<char, istreambuf_iterator<char, char_traits<char> > >

6.1.129.2 Interfaces for Class money_get<char, istreambuf_iterator<char, char_traits<char> > >

An LSB conforming implementation shall provide the architecture specific methods for Class `std::money_get<char, std::istreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-215, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-215 libstdc++ - Class money_get<char, istreambuf_iterator<char, char_traits<char> > > Function Interfaces

```
istreambuf_iterator<char, char_traits<char> >
__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char,
```

<code>char_traits<char> > >::_M_extract<false>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<char, char_traits<char> > > __gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract<true>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, bool, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, bool, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::money_get(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::money_get(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>money_get<char, istreambuf_iterator<char, char_traits<char> > >::money_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_get<char, istreambuf_iterator<char, char_traits<char> > >::money_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::money_get<char, std::istreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-216, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-216 libstdcxx - Class `money_get<char, istreambuf_iterator<char, char_traits<char> > >` Data Interfaces

<code>typeinfo for __gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeinfo name for __gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>

6.1.130 Class `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

6.1.130.1 Class data for `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

The virtual table for the `std::money_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::money_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` class is described by Table 6-217

Table 6-217 `typeinfo` for `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>></code>

6.1.130.2 Interfaces for Class `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::money_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t>>>` specified in Table 6-218, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-218 `libstdcxx` - Class `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>` Function Interfaces

<code>istreambuf_iterator<wchar_t, char_traits<wchar_t>></code> <code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>::_M_extract<false>(istreambuf_iterator<wchar_t, char_traits<wchar_t>>, istreambuf_iterator<wchar_t, char_traits<wchar_t>>, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char>>&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<wchar_t, char_traits<wchar_t>></code> <code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>::_M_extract<true>(istreambuf_iterator<wchar_t, char_traits<wchar_t>>, istreambuf_iterator<wchar_t, char_traits<wchar_t>>, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char>>&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>::get(istreambuf_iterator<wchar_t, char_traits<wchar_t>>, istreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, _Ios_Iostate&, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>>&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t,</code>

<code>char_traits<wchar_t> > >::get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, bool, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, bool, ios_base&, _Ios_Iostate&, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> >&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, bool, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, bool, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_get(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_get(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_get()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_get()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_get()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::money_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-219, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-219 libstdcxx - Class `money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Data Interfaces

<code>typeid for __gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeid name for __gnu_cxx_ldbl128::money_get<wchar_t,</code>

istreambuf_iterator<wchar_t, char_traits<wchar_t> > > (GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > (GLIBCXX_LDBL_3.4) [CXXABI-1.86]

6.1.131 Class money_put<char, ostreambuf_iterator<char, char_traits<char> > >

6.1.131.1 Class data for money_put<char, ostreambuf_iterator<char, char_traits<char> > >

The virtual table for the std::money_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > > class is described in the generic part of this specification.

The Run Time Type Information for the std::money_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > > class is described by Table 6-220

Table 6-220 typeid for money_put<char, ostreambuf_iterator<char, char_traits<char> > >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeid name for money_put<char, ostreambuf_iterator<char, char_traits<char> > >

6.1.131.2 Interfaces for Class money_put<char, ostreambuf_iterator<char, char_traits<char> > >

An LSB conforming implementation shall provide the architecture specific methods for Class std::money_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > > specified in Table 6-221, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-221 libstdc++ - Class money_put<char, ostreambuf_iterator<char, char_traits<char> > > Function Interfaces

__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::put(ostreambuf_iterator<char, char_traits<char> >, bool, ios_base&, char, basic_string<char, char_traits<char>, allocator<char> > const&) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::put(ostreambuf_iterator<char, char_traits<char> >, bool, ios_base&, char, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::do_put(ostreambuf_iterator<char, char_traits<char> >, bool, ios_base&, char, basic_string<char, char_traits<char>, allocator<char> > const&) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::do_put(ostreambuf_iterator<char, char_traits<char> >,

<code>bool, ios_base&, char, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::_do_put(ostreambuf_iterator<char, char_traits<char> >, bool, ios_base&, char, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>ostreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::_M_insert<false>(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, basic_string<char, char_traits<char>, allocator<char> > const&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::_M_insert<true>(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, basic_string<char, char_traits<char>, allocator<char> > const&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::money_put(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::money_put(unsigned int)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>money_put<char, ostreambuf_iterator<char, char_traits<char> > >::money_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_put<char, ostreambuf_iterator<char, char_traits<char> > >::money_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::money_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-222, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-222 libstdcxx - Class `money_put<char, ostreambuf_iterator<char, char_traits<char> > >` Data Interfaces

<code>typeid for __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeid name for __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>

6.1.132 Class `money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

6.1.132.1 Class data for `money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

The virtual table for the `std::money_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::money_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described by Table 6-223

Table 6-223 typeinfo for money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

6.1.132.2 Interfaces for Class money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>

An LSB conforming implementation shall provide the architecture specific methods for Class std::money_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t>>> specified in Table 6-224, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-224 libstdcxx - Class money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>> Function Interfaces

__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, wchar_t, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, wchar_t, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, wchar_t, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, wchar_t, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::__do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, bool, ios_base&, wchar_t, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]
ostreambuf_iterator<wchar_t, char_traits<wchar_t>> __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>::M_insert<false>(ostreambuf_iterator<wchar_t, char_traits<wchar_t>>, ios_base&, wchar_t, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t>> const&) const(GLIBCXX_LDBL_3.4) [LSB]
ostreambuf_iterator<wchar_t, char_traits<wchar_t>> __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t,

<code>char_traits<wchar_t> > >::M_insert<true>(ostreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, wchar_t, basic_string<wchar_t, char_traits<wchar_t>, allocator<wchar_t> > const&)</code> <code>const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_put(unsigned int)(GLIBCXX_LDBL_3.4)</code> <code>[LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_put(unsigned int)(GLIBCXX_LDBL_3.4)</code> <code>[LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_put()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_put()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~money_put()(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::money_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::money_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-225, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-225 libstdcxx - Class `money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Data Interfaces

<code>typeid for __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeid name for __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>vtable for __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>

6.1.133 Class locale

6.1.133.1 Interfaces for Class locale

An LSB conforming implementation shall provide the architecture specific methods for Class `std::locale` specified in Table 6-226, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-226 libstdcxx - Class locale Function Interfaces

<code>locale::_Impl::_Impl(char const*, unsigned int)(GLIBCXX_3.4) [LSB]</code>

locale::_Impl::_Impl(locale::_Impl const&, unsigned int)(GLIBCXX_3.4) [LSB]
locale::_Impl::_Impl(unsigned int)(GLIBCXX_3.4) [LSB]
locale::_Impl::_Impl(char const*, unsigned int)(GLIBCXX_3.4) [LSB]
locale::_Impl::_Impl(locale::_Impl const&, unsigned int)(GLIBCXX_3.4) [LSB]
locale::_Impl::_Impl(unsigned int)(GLIBCXX_3.4) [LSB]

6.1.134 Class locale::facet

6.1.134.1 Class data for locale::facet

The virtual table for the std::locale::facet class is described in the generic part of this specification.

The Run Time Type Information for the std::locale::facet class is described by Table 6-227

Table 6-227 typeinfo for locale::facet

Base Vtable	vtable for __cxxabiv1::__class_type_info
Name	typeinfo name for locale::facet

6.1.134.2 Interfaces for Class locale::facet

No external methods are defined for libstdc++ - Class std::locale::facet in this part of the specification. See also the generic specification.

6.1.135 facet functions

6.1.135.1 Interfaces for facet functions

An LSB conforming implementation shall provide the architecture specific methods for facet functions specified in Table 6-228, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-228 libstdc++ - facet functions Function Interfaces

void __convert_to_v<__float128>(char const*, __float128&, _Ios_Iostate&, __locale_struct* const&)(GLIBCXX_LDBL_3.4) [ISOCXX]
bool has_facet<__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]
bool has_facet<__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t>>>>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]
bool has_facet<__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]
bool has_facet<__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t>>>>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]
bool has_facet<__gnu_cxx_ldbl128::money_get<char,

<code>istreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>bool has_facet<__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>bool has_facet<__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>bool has_facet<__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > > const& use_facet<__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > const& use_facet<__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > > const& use_facet<__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > > const& use_facet<__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > > const& use_facet<__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > const& use_facet<__gnu_cxx_ldbl128::money_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > > const& use_facet<__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > > const& use_facet<__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >>(locale const&)(GLIBCXX_LDBL_3.4) [LSB]</code>

6.1.136 Class `__num_base`

6.1.136.1 Class data for `__num_base`

6.1.136.2 Interfaces for Class `__num_base`

No external methods are defined for `libstdcxx` - Class `std::__num_base` in this part of the specification. See also the generic specification.

6.1.137 Class `num_get<char, istreambuf_iterator<char, char_traits<char>>>`

6.1.137.1 Class data for `num_get<char, istreambuf_iterator<char, char_traits<char>>>`

The virtual table for the `std::num_get<char, std::istreambuf_iterator<char, std::char_traits<char>>>` class is described in the generic part of this specification.

The Run Time Type Information for the `std::num_get<char, std::istreambuf_iterator<char, std::char_traits<char>>>` class is described by Table 6-229

Table 6-229 `typeinfo` for `num_get<char, istreambuf_iterator<char, char_traits<char>>>`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	<code>typeinfo</code> name for <code>num_get<char, istreambuf_iterator<char, char_traits<char>>></code>
basetype:	<code>typeinfo</code> for <code>locale::facet</code>

6.1.137.2 Interfaces for Class `num_get<char, istreambuf_iterator<char, char_traits<char>>>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::num_get<char, std::istreambuf_iterator<char, std::char_traits<char>>>` specified in Table 6-230, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-230 `libstdcxx` - Class `num_get<char, istreambuf_iterator<char, char_traits<char>>>` Function Interfaces

<code>istreambuf_iterator<char, char_traits<char>></code> <code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::_M_extract_int<unsigned int>(istreambuf_iterator<char, char_traits<char>>, istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, unsigned int&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<char, char_traits<char>></code> <code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::_M_extract_int<long>(istreambuf_iterator<char, char_traits<char>>, istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>

<pre>istreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract_int<unsigned long>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned long&) const(GLIBCXX_LDBL_3.4) [LSB]</pre>
<pre>istreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract_int<unsigned short>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned short&) const(GLIBCXX_LDBL_3.4) [LSB]</pre>
<pre>istreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract_int<long long>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, long long&) const(GLIBCXX_LDBL_3.4) [LSB]</pre>
<pre>istreambuf_iterator<char, char_traits<char> > __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract_int<unsigned long long>(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned long long&) const(GLIBCXX_LDBL_3.4) [LSB]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::_M_extract_float(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [LSB]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, void*&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, bool&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, float&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>

<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, unsigned int&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, unsigned long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, unsigned short&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, long long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, unsigned long long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, void*&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, bool&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, float&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char>>>::do_get(istreambuf_iterator<char, char_traits<char>>, ios_base&, _Ios_Iostate&,</code>

<code>unsigned int&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned short&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, long long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, unsigned long long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::__do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::num_get(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::num_get(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_get<char, istreambuf_iterator<char, char_traits<char> > >::num_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_get<char, istreambuf_iterator<char, char_traits<char> > >::num_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::num_get<char, std::istreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-231, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-231 libstdcxx - Class num_get<char, istreambuf_iterator<char, char_traits<char> > > Data Interfaces

typeinfo for __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
typeinfo name for __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]

6.1.138 Class num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >

6.1.138.1 Class data for num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >

The virtual table for the std::num_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > > class is described in the generic part of this specification.

The Run Time Type Information for the std::num_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > > class is described by Table 6-232

Table 6-232 typeinfo for num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >

Base Vtable	vtable for __cxxabiv1::__si_class_type_info
Name	typeinfo name for num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >
basetype:	typeinfo for locale::facet

6.1.138.2 Interfaces for Class num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >

An LSB conforming implementation shall provide the architecture specific methods for Class std::num_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > > specified in Table 6-233, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-233 libstdcxx - Class num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > > Function Interfaces

istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_extract_int<unsigned int>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, unsigned int&) const(GLIBCXX_LDBL_3.4) [LSB]
istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_extract_int<long>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&,

<code>_Ios_Iostate&, long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__M_extract_int<unsigned long>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, unsigned long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__M_extract_int<unsigned short>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, unsigned short&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__M_extract_int<long long>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, long long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>istreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__M_extract_int<unsigned long long>(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, unsigned long long&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__M_extract_float(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, void*&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, bool&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, float&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::__get(istreambuf_iterator<wchar_t, char_traits<wchar_t> >, istreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>

<code>char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, unsigned int&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, unsigned long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, unsigned short&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, long long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, unsigned long long&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_get(istreambuf_iterator<wchar_t, char_traits<wchar_t>, ios_base&, _Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_get(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_get(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>

<code>__gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_get(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::num_get<wchar_t, std::istreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-234, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-234 libstdcxx - Class `num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Data Interfaces

<code>typeinfo for __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeinfo name for __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>

6.1.139 Class `num_put<char, ostreambuf_iterator<char, char_traits<char> > >`

6.1.139.1 Class data for `num_put<char, ostreambuf_iterator<char, char_traits<char> > >`

The virtual table for the `std::num_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::num_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` class is described by Table 6-235

Table 6-235 typeinfo for `num_put<char, ostreambuf_iterator<char, char_traits<char> > >`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeinfo name for <code>num_put<char, ostreambuf_iterator<char, char_traits<char> > ></code>
basetype:	typeinfo for <code>locale::facet</code>

6.1.139.2 Interfaces for Class `num_put<char, ostreambuf_iterator<char, char_traits<char> > >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::num_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-236, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-236 libstdcxx - Class num_put<char, ostreambuf_iterator<char, char_traits<char>>> Function Interfaces

<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_group_int(char const*, unsigned int, char, ios_base&, char*, char*, int&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_int<long>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_int<unsigned long>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, unsigned long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_int<long long>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, long long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_int<unsigned long long>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, unsigned long long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_group_float(char const*, unsigned int, char, char const*, char*, char*, int&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_float<double>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, char, double) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<char, char_traits<char>>> __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::M_insert_float<__float128>(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, char, __float128) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::put(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, void const*) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::put(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, bool) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char>>>::put(ostreambuf_iterator<char, char_traits<char>>, ios_base&, char, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char,</code>

<code>char_traits<char> >::put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, unsigned long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, unsigned long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::_M_pad(char, int, ios_base&, char*, char const*, int&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, void const*) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, bool) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, unsigned long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, unsigned long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> >::do_put(ostreambuf_iterator<char, char_traits<char> >, ios_base&, char, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_put<char, ostreambuf_iterator<char, char_traits<char> >::_M_group_int(char const*, unsigned int, char, ios_base&, char*, char*,</code>

<code>int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<char, ostreambuf_iterator<char, char_traits<char> > >::M_group_float(char const*, unsigned int, char, char const*, char*, char*, int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<char, ostreambuf_iterator<char, char_traits<char> > >::M_pad(char, int, ios_base&, char*, char const*, int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::num_put(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::num_put(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_put<char, ostreambuf_iterator<char, char_traits<char> > >::num_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<char, ostreambuf_iterator<char, char_traits<char> > >::num_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::num_put<char, std::ostreambuf_iterator<char, std::char_traits<char> > >` specified in Table 6-237, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-237 libstdcxx - Class `num_put<char, ostreambuf_iterator<char, char_traits<char> > >` Data Interfaces

<code>typeinfo for __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>
<code>typeinfo name for __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]</code>

6.1.140 Class `num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

6.1.140.1 Class data for `num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

The virtual table for the `std::num_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described in the generic part of this specification.

The Run Time Type Information for the `std::num_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` class is described by Table 6-238

Table 6-238 typeid for `num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

Base Vtable	vtable for <code>__cxxabiv1::__si_class_type_info</code>
Name	typeid name for <code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > ></code>
basetype:	typeid for <code>locale::facet</code>

6.1.140.2 Interfaces for Class `num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::num_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-239, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-239 libstdc++ - Class `num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >` Function Interfaces

<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_group_int(char const*, unsigned int, wchar_t, ios_base&, wchar_t*, wchar_t*, int&) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_insert_int<long>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_insert_int<unsigned long>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_insert_int<long long>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_insert_int<unsigned long long>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long long) const(GLIBCXX_LDBL_3.4) [LSB]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_group_float(char const*, unsigned int, wchar_t, wchar_t const*, wchar_t*, wchar_t*, int&)</code>

const(GLIBCXX_LDBL_3.4) [LSB]
ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::_M_insert_float<double>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, char, double) const(GLIBCXX_LDBL_3.4) [LSB]
ostreambuf_iterator<wchar_t, char_traits<wchar_t> > __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::_M_insert_float<__float128>(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, char, __float128) const(GLIBCXX_LDBL_3.4) [LSB]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, void const*) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, bool) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::_M_pad(wchar_t, int, ios_base&, wchar_t*, wchar_t const*, int&) const(GLIBCXX_LDBL_3.4) [LSB]

<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, void const*) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, bool) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, __float128) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, unsigned long long) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::do_put(ostreambuf_iterator<wchar_t, char_traits<wchar_t> >, ios_base&, wchar_t, double) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, bool, ios_base&, _Ios_Iostate&, basic_string<char, char_traits<char>, allocator<char> >&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, bool, ios_base&, _Ios_Iostate&, __float128&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</pre>
<pre>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::do_get(istreambuf_iterator<char, char_traits<char> >, istreambuf_iterator<char, char_traits<char> >, bool, ios_base&,</pre>

<code>_Ios_Iostate&, double&) const(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_group_int(char const*, unsigned int, wchar_t, ios_base&, wchar_t*, wchar_t*, int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_group_float(char const*, unsigned int, wchar_t, wchar_t const*, wchar_t*, wchar_t*, int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::M_pad(wchar_t, int, ios_base&, wchar_t*, wchar_t const*, int&) const(GLIBCXX_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_put(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_put(unsigned int)(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::~num_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::~money_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::~money_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >::~money_get()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::~money_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::~money_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::~money_put()(GLIBCXX_LDBL_3.4) [ISOCXX]</code>
<code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::num_put(unsigned int)(GLIBCXX_3.4) [ISOCXX]</code>

An LSB conforming implementation shall provide the architecture specific data interfaces for Class `std::num_put<wchar_t, std::ostreambuf_iterator<wchar_t, std::char_traits<wchar_t> > >` specified in Table 6-240, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-240 libstdcxx - Class num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > > Data Interfaces

guard variable for __gnu_cxx_ldbl128::num_get<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::num_get<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::money_get<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::money_get<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
guard variable for __gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
__gnu_cxx_ldbl128::num_get<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_get<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_get<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_get<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
__gnu_cxx_ldbl128::money_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >::id(GLIBCXX_LDBL_3.4) [ISOCXX]
typeid for __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > >

>(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
typeinfo name for __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::num_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::num_get<wchar_t, istreambuf_iterator<wchar_t, char_traits<wchar_t> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::num_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::num_put<wchar_t, ostreambuf_iterator<wchar_t, char_traits<wchar_t> > > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::money_get<char, istreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]
vtable for __gnu_cxx_ldbl128::money_put<char, ostreambuf_iterator<char, char_traits<char> > >(GLIBCXX_LDBL_3.4) [CXXABI-1.86]

6.1.141 Class `gslice`

6.1.141.1 Class data for `gslice`

6.1.141.2 Interfaces for Class `gslice`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::gslice` specified in Table 6-241, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-241 libstdcxx - Class `gslice` Function Interfaces

<code>gslice::_Indexer::_Indexer(unsigned int, valarray<unsigned int> const&, valarray<unsigned int> const&)(GLIBCXX_3.4) [ISOCXX]</code>
<code>gslice::_Indexer::_Indexer(unsigned int, valarray<unsigned int> const&, valarray<unsigned int> const&)(GLIBCXX_3.4) [ISOCXX]</code>

6.1.142 Class `__basic_file<char>`

6.1.142.1 Class data for `__basic_file<char>`

6.1.142.2 Interfaces for Class `__basic_file<char>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::__basic_file<char>` specified in Table 6-242, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-242 libstdcxx - Class `__basic_file<char>` Function Interfaces

<code>__basic_file<char>::xsgetn(char*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>__basic_file<char>::xspn(char const*, int)(GLIBCXX_3.4) [ISOCXX]</code>
<code>__basic_file<char>::seekoff(long long, _Ios_Seekdir)(GLIBCXX_3.4) [ISOCXX]</code>

```
__basic_file<char>::xspn_2(char const*, int, char const*, int)(GLIBCXX_3.4)
[ISOCXX]
```

6.1.143 Class `_List_node_base`

6.1.143.1 Interfaces for Class `_List_node_base`

No external methods are defined for `libstdc++` - Class `std::_List_node_base` in this part of the specification. See also the generic specification.

6.1.144 Class `valarray<unsigned int>`

6.1.144.1 Class data for `valarray<unsigned int>`

6.1.144.2 Interfaces for Class `valarray<unsigned int>`

An LSB conforming implementation shall provide the architecture specific methods for Class `std::valarray<unsigned int>` specified in Table 6-243, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-243 `libstdc++` - Class `valarray<unsigned int>` Function Interfaces

<code>valarray<unsigned int>::size() const</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::valarray(valarray<unsigned int> const&)</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::valarray(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::valarray(valarray<unsigned int> const&)</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::valarray(unsigned int)</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::~~valarray()</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::~~valarray()</code> (GLIBCXX_3.4) [ISOCXX]
<code>valarray<unsigned int>::operator[]</code> (unsigned int)(GLIBCXX_3.4) [ISOCXX]

6.1.145 Class `allocator<char>`

6.1.145.1 Class data for `allocator<char>`

6.1.145.2 Interfaces for Class `allocator<char>`

No external methods are defined for `libstdc++` - Class `std::allocator<char>` in this part of the specification. See also the generic specification.

6.1.146 Class `allocator<wchar_t>`

6.1.146.1 Class data for `allocator<wchar_t>`

6.1.146.2 Interfaces for Class `allocator<wchar_t>`

No external methods are defined for `libstdc++` - Class `std::allocator<wchar_t>` in this part of the specification. See also the generic specification.

6.1.147 Class `__gnu_cxx::__pool<true>`**6.1.147.1 Interfaces for Class `__gnu_cxx::__pool<true>`**

An LSB conforming implementation shall provide the architecture specific methods for Class `__gnu_cxx::__pool<true>` specified in Table 6-244, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-244 libstdcxx - Class `__gnu_cxx::__pool<true>` Function Interfaces

<code>__gnu_cxx::__pool<true>::_M_reclaim_block(char*, unsigned int)(GLIBCXX_3.4.4) [LSB]</code>
<code>__gnu_cxx::__pool<true>::_M_reserve_block(unsigned int, unsigned int)(GLIBCXX_3.4.4) [LSB]</code>

6.1.148 Class `__gnu_cxx::__pool<false>`**6.1.148.1 Interfaces for Class `__gnu_cxx::__pool<false>`**

An LSB conforming implementation shall provide the architecture specific methods for Class `__gnu_cxx::__pool<false>` specified in Table 6-245, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-245 libstdcxx - Class `__gnu_cxx::__pool<false>` Function Interfaces

<code>__gnu_cxx::__pool<false>::_M_reclaim_block(char*, unsigned int)(GLIBCXX_3.4.4) [LSB]</code>
<code>__gnu_cxx::__pool<false>::_M_reserve_block(unsigned int, unsigned int)(GLIBCXX_3.4.4) [LSB]</code>

6.1.149 Class `__gnu_cxx::free_list`**6.1.149.1 Interfaces for Class `__gnu_cxx::free_list`**

An LSB conforming implementation shall provide the architecture specific methods for Class `__gnu_cxx::free_list` specified in Table 6-246, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-246 libstdcxx - Class `__gnu_cxx::free_list` Function Interfaces

<code>__gnu_cxx::free_list::_M_get(unsigned int)(GLIBCXX_3.4.4) [LSB]</code>
--

6.1.150 Class `locale::_Impl`**6.1.150.1 Interfaces for Class `locale::_Impl`**

An LSB conforming implementation shall provide the architecture specific methods for Class `std::locale::_Impl` specified in Table 6-247, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-247 libstdcxx - Class `locale::_Impl` Function Interfaces

<code>locale::_Impl::_M_install_cache(locale::facet const*, unsigned int)(GLIBCXX_3.4.7) [ISOCXX]</code>
--

6.1.151 Namespace std Functions

6.1.151.1 Interfaces for Namespace std Functions

An LSB conforming implementation shall provide the architecture specific methods for Namespace std Functions specified in Table 6-248, with the full mandatory functionality as described in the referenced underlying specification.

Table 6-248 libstdcxx - Namespace std Functions Function Interfaces

<pre>int __copy_streambufs<char, char_traits<char> >(basic_streambuf<char, char_traits<char> >*, basic_streambuf<char, char_traits<char> >*)(GLIBCXX_3.4.6) [ISOCXX]</pre>
--

<pre>int __copy_streambufs<wchar_t, char_traits<wchar_t> >(basic_streambuf<wchar_t, char_traits<wchar_t> >*, basic_streambuf<wchar_t, char_traits<wchar_t> >*)(GLIBCXX_3.4.6) [ISOCXX]</pre>
--

6.1.152 Class char_traits<char>

6.1.152.1 Interfaces for Class char_traits<char>

No external methods are defined for libstdcxx - Class std::char_traits<char> in this part of the specification. See also the generic specification.

6.1.153 Class char_traits<wchar_t>

6.1.153.1 Interfaces for Class char_traits<wchar_t>

No external methods are defined for libstdcxx - Class std::char_traits<wchar_t> in this part of the specification. See also the generic specification.

6.2 Interface Definitions for libstdcxx

The interfaces defined on the following pages are included in libstdcxx and are defined by this specification. Unless otherwise noted, these interfaces shall be included in the source standard.

Other interfaces listed in Section 6.1 shall behave as described in the referenced base document. For interfaces referencing LSB and not listed below, please see the generic part of the specification.

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