

DCOD _ All _ Packages

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Chapter 1

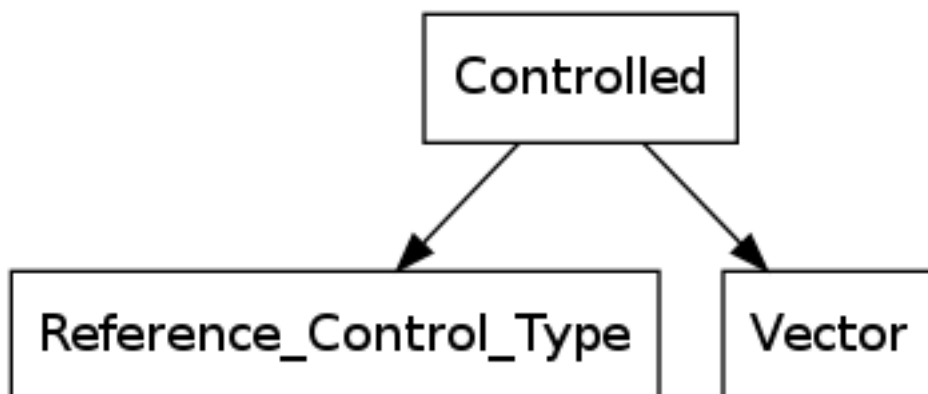
General diagrams

1.1 Dependency diagram

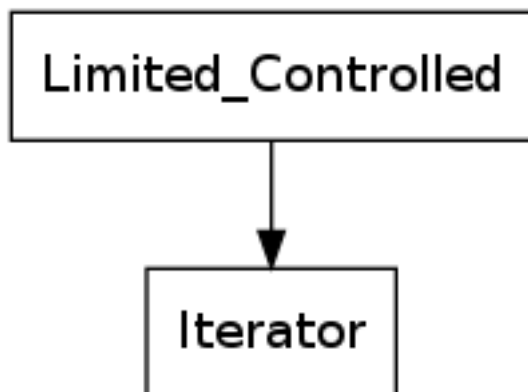
Diagram too wide, you should have a look at file DCOD_All_Packages_Proc_Withed_Units.png

1.2 Objects diagrams

1.2.1 Diagram 1



1.2.2 Diagram 2



Chapter 2

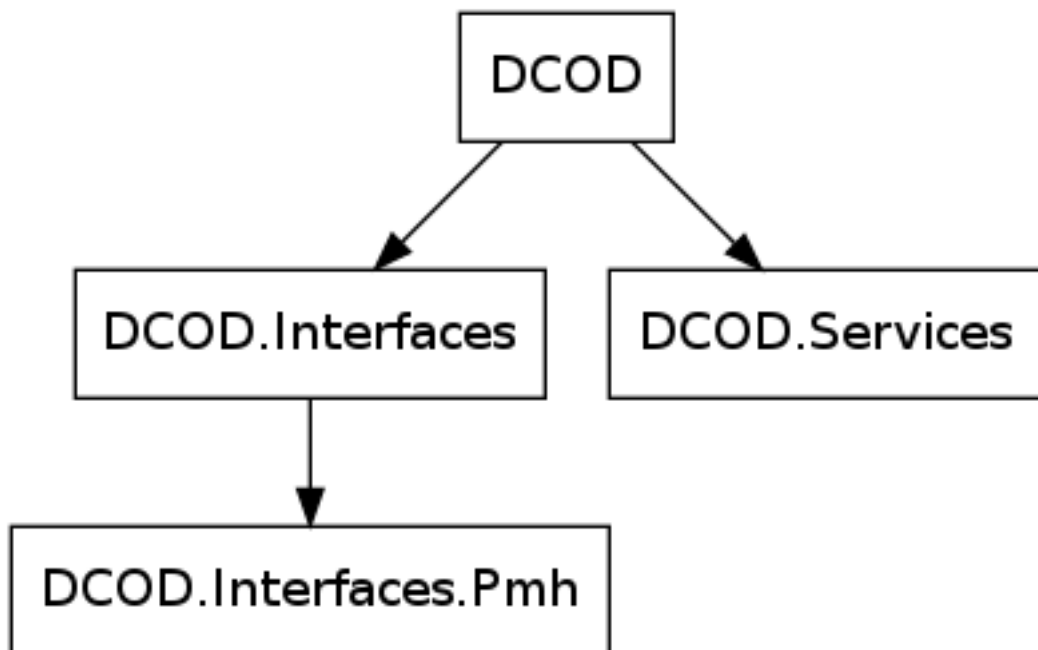
DCOD

2.1 Withed Units

This section is empty.

2.2 Children Units

- DCOD.Interfaces 3
- DCOD.Services 5



Chapter 3

DCOD.Interfaces

3.1 Types

Name	Tagged	Access	Record	Array	Synchro	Private
DCOD_Object_Interface	No	No	No	No	No	No

3.2 Procedures and Functions

- Set_Name [3.2.1](#)
- Get_Name returns String [3.2.2](#)
- Has_Http_Server returns Boolean [3.2.3](#)
- Server_Url returns String [3.2.4](#)

3.2.1 Set_Name

Description

This procedure is used to set the name of the DCOD object

Parameters

Name	Type	Mode
Object	DCOD_Object_Interface	AN_IN_OUT_MODE
Name	String	A_DEFAULT_IN_MODE

3.2.2 Get_Name

Description

This procedure is used to retrieve the name of the DCOD object

Parameters

Name	Type	Mode
Object	DCOD_Object_Interface	A_DEFAULT_IN_MODE

3.2.3 Has_Http_Server

Description

This procedure is used to know if the process that host the object provides or not a embedded web server

Parameters

Name	Type	Mode
Object	DCOD_Object_Interface	A_DEFAULT_IN_MODE

3.2.4 Server_Url

Description

This procedure returns the http URL needed to contact the embedded web server if Has_Http_Server returns True.

Parameters

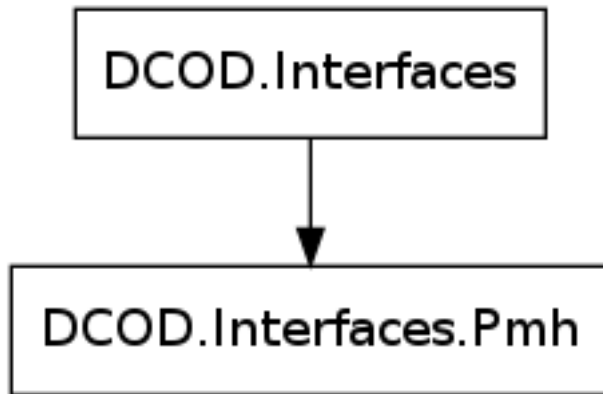
Name	Type	Mode
Object	DCOD_Object_Interface	A_DEFAULT_IN_MODE

3.3 Withed Units

This section is empty.

3.4 Children Units

- DCOD.Interfaces.Pmh [4](#)



Chapter 4

DCOD.Interfaces.Pmh

4.1 Types

Name	Tagged	Access	Record	Array	Synchro	Private
Remote_Buffer_Interface	No	No	No	No	No	No
Remote_Buffer_Access	No	Yes	No	No	No	No
Remote_Buffers_Array	No	No	No	Yes	No	No
Pmh_Interface	No	No	No	No	No	No
Pmh_Access	No	Yes	No	No	No	No

4.2 Procedures and Functions

- Get_State returns String [4.2.1](#)
- Get_Buffer returns Remote_Buffer_Access [4.2.2](#)
- Get_Buffers returns Remote_Buffers_Array [4.2.3](#)

4.2.1 Get_State

Description

This function returns, as an XML string, the state of the buffer: level of free and full queues.

Parameters

Name	Type	Mode
Object	Remote_Buffer_Interface	A_DEFAULT_IN_MODE

4.2.2 Get_Buffer

Description

This function returns the fat pointer (DSA concept) of a remote buffer.

Parameters

Name	Type	Mode
Object	Pmh_Interface	A_DEFAULT_IN_MODE
Buffer_Name	String	A_DEFAULT_IN_MODE

4.2.3 Get_Buffers

Description

This function returns all the fat pointers the PMH object is handling as an array.

Parameters

Name	Type	Mode
Object	Pmh_Interface	A_DEFAULT_IN_MODE

4.3 Withed Units

This section is empty.

Chapter 5

DCOD.Services

5.1 Specification Procedures and Functions

- `Suscribe_Posix_Memory_Handler` [5.1.1](#)

5.1.1 `Suscribe_Posix_Memory_Handler`

Description

This procedure should be used to suscribe a Posix Memory Handler object.

Parameters

Name	Type	Mode
Object	<code>Interfaces.Pmh.Pmh_Access</code>	<code>A_DEFAULT_IN_MODE</code>

5.2 Body Procedures and Functions

- `Append` [5.2.1](#)

5.2.1 `Append`

Description

This procedure add a fat pointer of `Pmh_Access` type;

Parameters

Name	Type	Mode
Object	Interfaces.Pmh.Pmh_Access	A_DEFAULT_IN_MODE

5.3 Specification Withed Units

- DCOD.Interfaces.Pmh [4](#)

5.4 Body Withed Units

- Ada.Containers.Vectors [A](#)

Chapter 6

DCOD _All_ Packages

6.1 Withed Units

- DCOD [2](#)
- DCOD.Interfaces [3](#)
- DCOD.Interfaces.Pmh [4](#)
- DCOD.Services [5](#)

Appendix A

Ada.Containers.Vectors

A.1 Specification Types

Name	Tagged	Access	Record	Array	Synchro	Private
Vector	No	No	No	No	No	Yes
Cursor	No	No	No	No	No	Yes
Constant_Reference_Type	No	Yes	No	No	No	Yes
Reference_Type	No	Yes	No	No	No	Yes
Elements_Array	No	No	No	Yes	No	No
Elements_Type	No	No	Yes	No	No	No
Elements_Access	No	Yes	No	No	No	No
Vector	Yes	No	Yes	No	No	No
Vector_Access	No	Yes	No	No	No	No
Cursor	No	No	Yes	No	No	No
Reference_Control_Type	Yes	No	Yes	No	No	No
Constant_Reference_Type	No	Yes	Yes	No	No	No
Reference_Type	No	Yes	Yes	No	No	No

A.2 Specification Procedures and Functions

- Has_Element returns Boolean

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE

- "=" returns Boolean

Name	Type	Mode
Left	Vector	A_DEFAULT_IN_MODE
Right	Vector	A_DEFAULT_IN_MODE

- To_Vector returns Vector

Name	Type	Mode
Length	Count_Type	A_DEFAULT_IN_MODE

- To_Vector returns Vector

Name	Type	Mode
New_Item	Element_Type	A_DEFAULT_IN_MODE
Length	Count_Type	A_DEFAULT_IN_MODE

- "&" returns Vector

Name	Type	Mode
Left	Vector	A_DEFAULT_IN_MODE
Right	Vector	A_DEFAULT_IN_MODE

- "&" returns Vector

Name	Type	Mode
Left	Vector	A_DEFAULT_IN_MODE
Right	Element_Type	A_DEFAULT_IN_MODE

- "&" returns Vector

Name	Type	Mode
Left	Element_Type	A_DEFAULT_IN_MODE
Right	Vector	A_DEFAULT_IN_MODE

- "&" returns Vector

Name	Type	Mode
Left	Element_Type	A_DEFAULT_IN_MODE
Right	Element_Type	A_DEFAULT_IN_MODE

- Capacity returns Count_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Reserve_Capacity

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Capacity	Count_Type	A_DEFAULT_IN_MODE

- Length returns Count_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Set_Length

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Length	Count_Type	A_DEFAULT_IN_MODE

- Is_Empty returns Boolean

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Clear

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE

- To_Cursor returns Cursor

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Index	Extended_Index	A_DEFAULT_IN_MODE

- To_Index returns Extended_Index

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE

- Element returns Element_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Index	Index_Type	A_DEFAULT_IN_MODE

- Element returns Element_Type

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE

- Replace_Element

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Index	Index_Type	A_DEFAULT_IN_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE

- Replace_Element

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Position	Cursor	A_DEFAULT_IN_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE

- Query_Element

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Index	Index_Type	A_DEFAULT_IN_MODE
Element	Element_Type	A_DEFAULT_IN_MODE

- Query_Element

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE
Element	Element_Type	A_DEFAULT_IN_MODE

- Update_Element

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Index	Index_Type	A_DEFAULT_IN_MODE
Element	Element_Type	AN_IN_OUT_MODE

- Update_Element

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Position	Cursor	A_DEFAULT_IN_MODE
Element	Element_Type	AN_IN_OUT_MODE

- Constant_Reference returns Constant_Reference_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Reference returns Reference_Type

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Constant_Reference returns Constant_Reference_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Index	Index_Type	A_DEFAULT_IN_MODE

- Reference returns Reference_Type

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Index	Index_Type	A_DEFAULT_IN_MODE

- Assign

Name	Type	Mode
Target	Vector	AN_IN_OUT_MODE
Source	Vector	A_DEFAULT_IN_MODE

- Copy returns Vector

Name	Type	Mode
Source	Vector	A_DEFAULT_IN_MODE
Capacity	Count_Type	A_DEFAULT_IN_MODE

- Move

Name	Type	Mode
Target	Vector	AN_IN_OUT_MODE
Source	Vector	AN_IN_OUT_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Extended_Index	A_DEFAULT_IN_MODE
New_Item	Vector	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
New_Item	Vector	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
New_Item	Vector	A_DEFAULT_IN_MODE
Position	Cursor	AN_OUT_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Extended_Index	A_DEFAULT_IN_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE
Position	Cursor	AN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Extended_Index	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
Position	Cursor	AN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Prepend

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
New_Item	Vector	A_DEFAULT_IN_MODE

- Prepend

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Append

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
New_Item	Vector	A_DEFAULT_IN_MODE

- Append

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
New_Item	Element_Type	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert_Space

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Extended_Index	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Insert_Space

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Before	Cursor	A_DEFAULT_IN_MODE
Position	Cursor	AN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Delete

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Index	Extended_Index	A_DEFAULT_IN_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Delete

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Position	Cursor	AN_IN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Delete_First

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Delete_Last

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
Count	Count_Type	A_DEFAULT_IN_MODE

- Reverse_Elements

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE

- Swap

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
I	Index_Type	A_DEFAULT_IN_MODE
J	Index_Type	A_DEFAULT_IN_MODE

- Swap

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE
I	Cursor	A_DEFAULT_IN_MODE
J	Cursor	A_DEFAULT_IN_MODE

- First_Index returns Index_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- First returns Cursor

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- First_Element returns Element_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Last_Index returns Extended_Index

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Last returns Cursor

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Last_Element returns Element_Type

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Next returns Cursor

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE

- Next

Name	Type	Mode
Position	Cursor	AN_IN_OUT_MODE

- Previous returns Cursor

Name	Type	Mode
Position	Cursor	A_DEFAULT_IN_MODE

- Previous

Name	Type	Mode
Position	Cursor	AN_IN_OUT_MODE

- Find_Index returns Extended_Index

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Item	Element_Type	A_DEFAULT_IN_MODE
Index	Index_Type	A_DEFAULT_IN_MODE

- Find returns Cursor

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Item	Element_Type	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Reverse_Find_Index returns Extended_Index

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Item	Element_Type	A_DEFAULT_IN_MODE
Index	Index_Type	A_DEFAULT_IN_MODE

- Reverse_Find returns Cursor

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Item	Element_Type	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Contains returns Boolean

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Item	Element_Type	A_DEFAULT_IN_MODE

- Iterate

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Reverse_Iterate

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Iterate returns Class

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Iterate returns Class

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE
Start	Cursor	A_DEFAULT_IN_MODE

- Is_Sorted returns Boolean

Name	Type	Mode
Container	Vector	A_DEFAULT_IN_MODE

- Sort

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE

- Merge

Name	Type	Mode
Target	Vector	AN_IN_OUT_MODE
Source	Vector	AN_IN_OUT_MODE

- "=" returns Boolean

Name	Type	Mode
L	Elements_Array	A_DEFAULT_IN_MODE
R	Elements_Array	A_DEFAULT_IN_MODE

- Adjust

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE

- Finalize

Name	Type	Mode
Container	Vector	AN_IN_OUT_MODE

- Write

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Container	Vector	A_DEFAULT_IN_MODE

- Read

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Container	Vector	AN_OUT_MODE

- Read

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Position	Cursor	AN_OUT_MODE

- Write

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Adjust

Name	Type	Mode
Control	Reference_Control_Type	AN_IN_OUT_MODE

- Finalize

Name	Type	Mode
Control	Reference_Control_Type	AN_IN_OUT_MODE

- Write

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Item	Constant_Reference_Type	A_DEFAULT_IN_MODE

- Read

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Item	Constant_Reference_Type	AN_OUT_MODE

- Write

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Item	Reference_Type	A_DEFAULT_IN_MODE

- Read

Name	Type	Mode
Stream	Root_Stream_Type	A_DEFAULT_IN_MODE
Item	Reference_Type	AN_OUT_MODE

A.3 Body Types

Name	Tagged	Access	Record	Array	Synchro	Private
Iterator	Yes	No	Yes	No	No	No

A.4 Body Procedures and Functions

- Finalize

Name	Type	Mode
Object	Iterator	AN_IN_OUT_MODE

- First returns Cursor

Name	Type	Mode
Object	Iterator	A_DEFAULT_IN_MODE

- Last returns Cursor

Name	Type	Mode
Object	Iterator	A_DEFAULT_IN_MODE

- Next returns Cursor

Name	Type	Mode
Object	Iterator	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

- Previous returns Cursor

Name	Type	Mode
Object	Iterator	A_DEFAULT_IN_MODE
Position	Cursor	A_DEFAULT_IN_MODE

A.5 Specification Withed Units

May be this section is empty because the documentation analyse isn't done for system packages.

A.6 Body Withed Units

May be this section is empty because the documentation analyse isn't done for system packages.