**Specification**

USPD: US.ECO.00007-01 90

Component: IEcoStack1

UGUID:

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|  |  |
| --- | --- |
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1. **Overview**

This document describes the requirements for the implementation of the Eco.Stack1 component.

* 1. **Introduction**

Description.

* 1. **Note**
* Keywords
  1. **Links**

This paragraph contains links to information to help you understand this document:

[] – name of the link

Available by: http://address

1. **Eco.Stack1 Component**

The Eco.Stack1 component is a

The component has the following description:

* 1. **IEcoStack1 IDL**

|  |
| --- |
| **ECO IDL** |
| import "IEcoBase1.h" | | | |
| [  object,  uguid(665574A1-F30F-454C-B5BC-376C8F69590C),  ] | | | |
| interface IEcoStack1 : IEcoUnknown { | | | |
|  | | | |
| uint32\_t | | ***Count*** | ([in] void); |
|  | | | |
| voidptr\_t | | ***Peek*** | ([in] void); |
|  | | | |
| voidptr\_t | | ***Pop*** | ([in] void); |
|  | | | |
| void | | ***Push*** | ([in] voidptr\_t obj); |
|  | | | |
| void | | ***Clear*** | ([in] void); |
|  | | | |
| voidptr\_t | | ***Item*** | ([in] uint32\_t index); |
| } | |  |  |

* + 1. **Count function**

The function retrieves the number of elements contained in the Stack interface.

* + 1. **Peek function**

The function returns the object at the beginning of Stack without deleting it.

* + 1. **Pop function**

The function deletes and returns the object located at the beginning of Stack.

* + 1. **Push function**

The function inserts an object as the top element of the Stack stack.

* + 1. **Clear function**

The function removes all objects from the Stack.

* + 1. **Item function**

The function

* 1. **Error codes**

The following table contains the error codes.

|  |  |  |
| --- | --- | --- |
| **Error code** | **Value** | **Description** |
| ERR\_ECO\_SUCCESES | 0x0000 | Operation successful. |
| ERR\_ECO\_UNEXPECTED | 0xFFFF | Unexpected condition. |
| ERR\_ECO\_POINTER | 0xFFEE | NULL was passed incorrectly for a pointer value. |
| ERR\_ECO\_NOINTERFACE | 0xFFED | No such interface supported. |
| ERR\_ECO\_COMPONENT\_NOTFOUND | 0xFFE9 | The component was not found. |
|  |  |  |
|  |  |  |

# **Appendix A: Training programs**