|  |
| --- |
| Circle Language Spec: Events |

## Simplified System Event Notation

System events can also be displayed using a simpler notation that uses line types to denote the aspect, and leaves out the aspect out of the displayed event name.

In the matrix below, reference-bound aspects are displayed with a parent around the event source and object-bound aspects are displayed without a parent around the event source.





(It is not sure whether this will adequately disambiguate in practice. Hopefully using the diagram concept of automatic containment it will turn out not to be ambiguous, but that is not sure yet.)

Here follow the simplified notations for all the system events.

**Reference Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Getting Reference | Reference Gotten |  |  |
|  |  |  |  |

**Object Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Object Changed | Object Changing | Object Gotten | Getting Object |
|  |  |  |  |
|  |  |  |  |
| Reference Used As Object | Using Reference As Object |  |  |
|  |  |  |  |

**Class Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Class Changed | Class Changing |  |  |
|  |  |  |  |
|  |  |  |  |
| Used As Class | Using As Class | Reference Used As Class | Using Reference As Class |
|  |  |  |  |
|  |  |  |  |
| Reference-Class Gotten | Getting Reference-Class | Object-Class Gotten | Getting Object-Class |
|  |  |  |  |

**Interface Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Interface Changed | Interface Changing |  |  |
|  |  |  |  |
|  |  |  |  |
| Used As Interface | Using As Interface | Reference Used As Interface | Using Reference As Interface |
|  |  |  |  |
|  |  |  |  |
| Reference-Interface Gotten | Getting Reference-Interface | Object-Interface Gotten | Getting Object-Interface |
|  |  |  |  |

**Interface Merged Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Interface Merged Changed | Interface Merged Changing | Getting Interface Merged | Interface Merged Gotten |
|  |  |  |  |

**Value Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Value Changed | Value Changing | Getting Value | Value Gotten |
|  |  |  |  |

**Clone Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Clone Written | Writing Clone | Cloned | Cloning |
|  |  |  |  |

**Data Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Data Changed | Data Changing | Data Gotten | Getting Data |
|  |  |  |  |

**Name Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Name Changed | Name Changing | Getting Name | Name Gotten |
|  |  |  |  |

**List Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Added | Adding | Removing | Removed |
|  |  |  |  |
|  |  |  |  |
| Storage Count Changed | Storage Count Changing |  |  |
|  |  |  |  |

**Execution Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Executed | Executing |  |  |
|  |  |  |  |

**Existence Aspect**

|  |  |  |  |
| --- | --- | --- | --- |
| Created | Creating | Annulled | Annulling |
|  |  |  |  |

Some aspects have no associated line type, so they are not shown with a simplified notation, but with the normal notation. The above are the connectors, but the actual event commands look almost the same, but then without the loose end at the top.