# Platfrom Event

## Summary

The format of event message as follows：

|  |
| --- |
| <?xml version="1.0" encoding="utf-8"?>  <M Type="Event">  <E **ID**=""**SubID**="id"**Time**="1278945664" **Ignore**="0" **Level**="Alarm">  <Src **Type**="201" **ID**="201012345678912345">  <Res **Type**="IDL" **Idx**="0" **Name**="AlertIn1" **Desc**="" />  </Src>  <**DescAttrib1**="" **Attrib2**="" … />  </E>  </M> |
| Direction：Device =>Client/platform |

Key words meanning：

**ID** Event ID, Describe separately afterwords.

**SubID** Sub-ID of event，not all events have, fill according to event’s requirements.

**Time** the time event occurred, standard UTC time.

**Ignore** client wether jump indicating, not ignore then indicate. Different ID event with different value, separately decribe afterwards.

**Level** event grade. Different ID event has different value, separately describe

afterwards

**Src** Event sources information.

**Type** Event sources ID type， for the device fixed as: 201

**ID** Event sources ID,for the device, just PUID.

Res Event sources appropriate resource inforation.

**Type** Resource type of the event occurred.

**Idx** Resource indexof the event occurred**.**

**Name** Resource name of the event occurred.

**Desc** Resource description of the event occurred.

**Desc** Event description. Even no property, must fill in an blank tab. Desc tab’s length  （not include Name and Desc property）not over 256 byte, or can not be

saved when report to platform.

**Attrib1** Property 1 of the event description

**Attrib2** Property 2 of the event description

For convenient description of all key words value of the event, we defined following stencil

### Event Name

|  |  |
| --- | --- |
| **Event ID** | E\_XXX\_YYY(Event ID shows in string form) |
| **Event Grade** | Can be divided into Notify, Alarm, Fault,etc. No this item in following desciption  Notify Ordinary notice, no need alarming processing, only record in platform.  Some notices are those of status changed, generally need to match a read-only configuration to be able to query current status  Alarm Alarm event, must have alarming processing. If continuous alarming,then need timing trigger, not necessarily need a corresponding recovery event.  Fault Fault event, System maintainer need to know and timely repair fault, no need timing trigger, better have corresponding recovery event.  After dvice restarted, if device fault did not recover, then need to report a fault again. |
| **Whether Ignore** | Means if need client popped up marked words, generally prompt for alarming and fault, but not necessarily for notice. |
| **Event Description** | The related instruction to all properties value of described labels, to be with common description of following events:   1. All devices with positioning function, should have following position inforation when report event:   GS The positioning status when event occurred (GNSS Status). 1 indicates effective positioning; 0 indicates ineffective and the property without positioning follow-up.  La The latitude where the event occurred, value range [-90.0,90.0], North latitude as +, south latitude as -.  Lo The longitude where the event occurred, value range [-180.0,180.0), east longitude as +, west longitude as -.  Be The direction device moved when event occured, value range [0,360), due north as 0, due east as 90, and so on.  Sp The speed device moved when event occurred, unit km/h. |
| **Supplementary instructions** | Supplementary instructions |

## Device Access Service

### Device go onlne

|  |  |
| --- | --- |
| **Event ID** | E\_PU\_Online |
| **Whether Ignore** | No |
| **Event description** | No |
| **Supplementary instructions** | Arise the event when device registered in the platform |
| **CMS Analysis** | 1 |

### Device get offline

|  |  |
| --- | --- |
| **Event ID** | E\_PU\_Offline |
| **Whether ignore** | No |
| **Event description** | No |
| **Supplementary instructions** | Arise this event when device log off in the platform |
| **CMS Analysis** | 1 |

### Add device

|  |  |
| --- | --- |
| **Event ID** | E\_PU\_Added |
| **Whether ignore** | Yes |
| **Event description** | No |
| **Supplementary instructions** | Arise this event when add device in the platform |
| **CMS Analysis** | 0 |

### Delete device

|  |  |
| --- | --- |
| **Event ID** | E\_PU\_Deleted |
| **Whether ignore** | Yes |
| **Event description** | No |
| **Supplementary instructions** | Arise this event when device delete from the platform |
| **CMS Analysis** | 0 |

## User Access Service

### User Login

|  |  |
| --- | --- |
| **Event ID** | **E\_CU\_Online** |
| **Event Description** | UserID：The ID of user login  Address：The source IP address of user login  Port：The source port of user login  ClientType：Client end type  AuthType：The authentication type of the login user |
| **Supplementary instructions** | User logged in the platform |
| **CMS Analysis** | 1 |

### User Log Off

|  |  |
| --- | --- |
| **Event ID** | **E\_CU\_Offline** |
| **Event Description** | UserID：The ID of the user login  Address：The source IP address of the login user  Port：The source port of the login user  ClientType：Client end type  AuthType：The authentication type of login user |
| **Supplementary instructions** | User logged off the platform |
| **CMS Analysis** | 1 |

### Login Password Error

|  |  |
| --- | --- |
| **Event ID** | **E\_CU\_PasswordError** |
| **Event Description** | UserID：The ID of the user login  Address：The source IP address of the user login  Port：The source port of the user login  ClientType：Client end type  AuthType：The authentication type of login user |
| **Supplementary instructions** | User input wrong passward when login |