



Mako Networks

Webhook API Technical Specifications

October 2024 v1.7.1

Document Purpose

This document outlines the technical specifications for a webhook endpoint to integrate with the Mako central management system (CMS).

The Mako CMS will deliver status updates and/or configuration change notifications to the customer hosted webhook.

Document History

Version	Comments
1.0.0-DRAFT	Draft Release.
1.1.0	Initial Production Release.
1.1.1	Updated JSON fields: <ul style="list-style-type: none"> Renamed makoData Added eventPersonCompany Changed eventTimestamp format Added additional event types. Added additional example.
1.2.0	Introduced Site vs Mako fields
1.3.0	Added Log Stream detail
1.3.1	Added Device State detail
1.6.0	Added additional event types
1.7.0	Added ATG and Speed Test Log Streams
1.7.1	Updated ATG Log Stream Examples

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Overview

Webhooks and Data Streams are designed to push event, log, and state data from the Mako CMS to third party end points.

Webhooks push event data, such as when a Mako device goes online or offline or someone changes its configuration.

Data Streams push log and state data, such as:

- Syslogs, Firewall Logs, and IDS Logs
- Traffic Logs (End User traffic, Per-WAN traffic, Web traffic)
- Device State (Overall state of the Mako Device, its network ports, and other state information)

General Information

Configuration

Webhooks and Data Streams (log-focused Webhooks) are configured in the API section of the Company management screens on the Mako CMS.

Security

All endpoints must use HTTPS (TLS 1.2 or higher) on TCP port 443, and must use domain names, not IP addresses. The TLS certificate must not be expired and must match the provided domain name. All TLS certificates must be issued by a reputable certificate authority such as LetsEncrypt or other similar issuing authority.

An optional authentication header is supported.

JSON

Data interchange is performed using JSON.

Performance

For performance purposes, all messages should be processed asynchronously and not hold the HTTPS connection open while processing the message. This avoids delaying other messages from being sent to your endpoint. The Mako CMS will temporarily suspend delivery of messages to slow endpoints.

Event Ordering

While events are sent in serial date order, due to the nature of some events, particularly those with associated timers or delayed thresholds, it may be possible for an event notification to arrive before an earlier-event notification or after a later-event notification.

Response Codes

The webhook server must respond with a HTTP 2xx (e.g. HTTP 200 OK) response code. Codes outside the 2xx range will be considered failures and the webhook temporarily taken out of service.

Webhook Format

The webhook message format is designed to be compatible with Microsoft Teams and Slack incoming webhooks "text" fields. Additional fields are also provided for more specific application requirements.

Message format:

```
{
  "text": "<EVENT_TITLE> \n<EVENT_MESSAGE>",
  "makoData": {
    "makoId": "<MAKO_UUID>",
    "makoName": "<MAKO_NAME>",
    "siteId": "<USER_DEFINED_SITE_ID_OR_REFERENCE >",
    "siteUuid": "<SITE_UUID>",
    "siteName": "<SITE_NAME>",
    "labels": [ ... ],
    "metadata": { ... },
    "companyName": "<COMPANY_NAME>",
    "eventTitle": "<EVENT_TITLE>",
    "eventType": "<EVENT_TYPE>",
    "eventId": "<UUID_OF_EVENT>",
    "eventMessage": "<EVENT_MESSAGE>",
    "eventTimestamp": "<UTC_TIMESTAMP>",
    "eventPerson": "<FULLNAME_OF_USER_CREATING_EVENT>",
    "eventPersonCompany": "<COMPANY_OF_USER_CREATING_EVENT>",
    "eventDevice": "<LAN_OR_WAN_DEVICE_RELEVANT_TO_EVENT>",
    "makoContactIp": "<IP_MAKO_LAST_SEEN_FROM>",
    "makoWanIp": "<IP_ON_MAKO_WAN_INTERFACE>",
    "makoStatus": "<ONLINE|OFFLINE|CONFIGURED>",
    "latitude": < LATITUDE > ,
    "longitude": < LONGITUDE >
  }
}
```

The EVENT_TITLE and EVENT_TYPE are constants, while the EVENT_MESSAGE has information specific to this instance of the event.

The IP_ON_MAKO_WAN_INTERFACE is the actual IP address assigned to the Mako's default route, whereas the IP_MAKO_LAST_SEEN_FROM is the IP address the Mako appears from when using the Internet. These will differ if the WAN is behind NAT.

LAN_OR_WAN_DEVICE_RELEVANT_TO_EVENT is an optional field, relevant to events specific to WANs or LANs. Values are the WAN/LAN name, e.g. wan1, dsl1, cell1, etc.

eventPerson and eventPersonCompany are only present for non-system generated events.

Example 1

In this example, the Mako has failed over to its secondary WAN, cell2.

```
{
  "text": "Using Secondary WAN - Customer A, Site 1  \nInternet traffic
now using cell2.",
  "makoData": {
    "eventId": "bb28374a-a67d-36dd-ace0-ec85c88dd6ea",
    "eventTimestamp": "2023-05-31T00:45:00+0000",
    "eventDevice": "cell2",
    "siteName": "Elgin-001",
    "labels": [],
    "metadata": {},
    "makoName": "Security Gateway - Main",
    "companyName": "Customer A",
    "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
    "makoMacAddress": "30:1A:28:55:55:55",
    "eventType": "MAKO_MESSAGE_WAN_FAILOVER",
    "eventMessage": "Internet traffic now using cell2.",
    "entityType": "Mako",
    "entityName": "Customer A, Elgin-001, Security Gateway - Main",
    "eventPerson": "Alex Smith",
    "eventPersonCompany": "Example Reseller Inc.",
    "eventTitle": "Using Secondary WAN",
    "makoContactIp": "5.5.209.205",
    "makoWanIp": "5.5.209.205",
    "makoStatus": "ONLINE",
    "latitude": -36.7723,
    "longitude": 174.76358,
    "webhookCompanyName": "Example Reseller Inc.",
    "siteId": "Elgin-001-Ref",
    "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61"
  }
}
```

Example 2

In this example, a user has changed the SIP NAT ALG setting of a Mako.

```
{
  "text": "Firewall Settings Modified - Customer A, Site 1  \nH323 NAT
ALG enabled\nSIP NAT ALG enabled.\n\nEvent created by Alex Smith (Example
Reseller Inc.).",
  "makoData": {
```

```

    "eventId": "bb28374a-a67d-36dd-ace0-ec85c88dd6ea",
    "eventTimestamp": "2023-05-31T00:45:00+0000",
    "siteName": "Elgin-001",
    "labels": [],
    "metadata": {},
    "makoName": "Security Gateway - Main",
    "companyName": "Customer A",
    "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
    "makoMacAddress": "30:1A:28:55:55:55",
    "eventType": "FIREWALL_SETTINGS_MODIFIED",
    "eventMessage": "H323 NAT ALG enabled.\nSIP NAT ALG enabled.\n",
    "entityType": "Mako",
    "entityName": "Customer A, Elgin-001, Security Gateway - Main",
    "eventPerson": "Alex Smith",
    "eventPersonCompany": "Example Reseller Inc.",
    "eventTitle": "Firewall Settings Modified",
    "makoContactIp": "5.5.209.205",
    "makoWanIp": "5.5.209.205",
    "makoStatus": "ONLINE",
    "latitude": -36.7723,
    "longitude": 174.76358,
    "webhookCompanyName": "Example Reseller Inc.",
    "siteId": "Elgin-001-Ref",
    "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61"
  }
}

```

Event Types

Events Types are classified as Alerts or Configuration. You may elect to receive both classifications or just a specific classification of event type.

Labels and Metadata

Most webhooks and data streams support user-defined labels and metadata.

Any metadata with a key starting with "webhook-data-" is included in metadata section of the JSON block.

All labels are included in the labels section of the JSON block.

Example 1

```

{
  ...
  "labels": [ "high-priority-site" ],

```

```
"metadata": { "webhook-data-merchant-id" : "P12345-B" },  
...  
}
```


Data Stream Format

The Data stream message format is different for each type of data (System logs, Traffic logs, Device State logs).

Log Streams

These streams include Syslogs, Firewall Logs, and IDS Logs generated by a Mako device. Log Streams can result in a lot of data and so we encourage the use of GZIP compression if your HTTP endpoint/collector supports it.

Frequency: Periodic, maximum interval 20 minutes. Mako devices with a high volume of logs will upload more frequently, possibly every minute.

Example 1

```
{
  "logs": [{
    "ts": "2023-05-31T00:34:54+0000",
    "type": "SYSLOG",
    "process": "dnsmasq-dhcp",
    "pid": "1231",
    "message": "DHCPDISCOVER(brlan4) 30:1a:28:03:ff:ff"
  }, {
    "ts": "2023-05-31T00:34:54+0000",
    "type": "FIREWALL",
    "process": "Firewall",
    "pid": "1231",
    "message": "NF:DROP:IN=wan1 OUT=
MAC=30:1a:28:01:bd:b3:04:f9:38:d2:d1:cb:08:00 SRC=89.248.165.120 DST=1.0.2.9
LEN=40 TOS=0x00 PREC=0x00 TTL=247 ID=52797 PROTO=TCP SPT=46270 DPT=3307
SEQ=2950649240 ACK=0 WINDOW=1024 RES=0x00 SYN URGP=0 MARK=0xb"
  }, {
    "ts": "2023-05-31T00:34:54+0000",
    "type": "IDS",
    "process": "suricata",
    "pid": "1243",
    "message": "[1:2024897:1] ET USER_AGENTS Go HTTP Client
User-Agent [Classification: Misc activity] [Priority: 3] {TCP}
192.168.0.151:64393 -> 9.7.4.5:80"
  }
],
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
}
```

```

    "siteName": "Elgin-001",
    "makoName": "Security Gateway - Main",
    "siteId": "",
    "siteUuid": "c6345e2e-aadc-461a-854f-06d28c43dfd0",
    "makoMacAddress": "30:1A:28:55:55:55",
    "labels": [],
    "metadata": {}
  }

```

Device State Streams

This stream includes device state about the Mako, such as the state of its network ports, firmware version, VPN state, and others.

Frequency: Ad-hoc. State events are sent any time anything within the state changes.

Example 1 (Security Gateway, Access Point)

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Elgin-001",
  "makoName": "Security Gateway - Main",
  "states": [{
    "error": false,
    "firmwareVersion": "C6600-F6450-41",
    "applicationStartTimestamp": "2023-05-30T03:29:09.276+0000",
    "failoverTransitionTimestamp": "2023-05-30T03:29:39.981+0000",
    "defaultRouteTransitionTimestamp": "2023-05-
30T03:33:35.430+0000",
    "bootTimestamp": "2023-05-30T02:55:42.934+0000",
    "recordTimestamp": "2023-05-31T00:39:16.465+0000",
    "failoverWeight": 1,
    "startupCount": 2,
    "noBestWan": false,
    "master": true,
    "forceBackup": false,
    "debugFirmware": true,
    "version": 1,
    "configVersion": -1,
    "id": "40436eef-4297-4750-877f-d6f7331ab490",
    "mvpnTunnelsUp": -1,
    "mvpnTunnelsDown": -1,
    "ipsecTunnelsUp": 0,
    "ipsecTunnelsDown": 0,
  ]
}

```

```

    "makoId": "30:1A:28:55:55:55",
    "lanports": [{
      "name": "lan1",
      "phy": "lan1",
      "transitionTimestamp": "2023-05-
31T00:39:14.094+0000",
      "layer2Active": false,
      "monitored": false,
      "stable": false
    }, {
      "name": "lan2",
      "phy": "lan2",
      "layer2Active": false,
      "monitored": false,
      "stable": false
    }, {
      "name": "lan3",
      "phy": "lan3",
      "layer2Active": false,
      "monitored": false,
      "stable": false
    }, {
      "name": "lan4",
      "phy": "lan4",
      "layer2Active": false,
      "monitored": false,
      "stable": false
    }, {
      "name": "sfp1",
      "phy": "sfp1",
      "transitionTimestamp": "2023-05-
30T03:29:19.176+0000",
      "layer2Active": true,
      "monitored": false,
      "stable": true
    }, {
      "name": "wlan0",
      "phy": "wlan0",
      "transitionTimestamp": "2023-05-
30T22:33:08.555+0000",
      "layer2Active": true,
      "monitored": false,
      "stable": true
    }
  ]
}

```

```

],
"wans": [{
  "name": "cell1",
  "phy": "cell1",
  "layer2Active": true,
  "layer3Active": true,
  "stable": true,
  "bestWan": true,
  "defaultRoute": true,
  "alwaysOn": true,
  "absoluteThreshold": false,
  "authenticationFailure": false,
  "highLatency": false,
  "highPacketLoss": false,
  "noArp": false,
  "cellId": "483861",
  "iccid": "8964012209132544489",
  "imsi": "530011117254448",
  "signalStrength": -86,
  "signalStrengthBars": "Excellent",
  "transitionTimestamp": "2023-05-
30T03:33:35.402+0000",
  "type": "ppp",
  "weight": 2,
  "connectionMode": "LTE",
  "description": "Cellular",
  "downstreamSpeed": 500000,
  "upstreamSpeed": 500000,
  "failoverDelay": 10,
  "gateway": "5.5.209.206",
  "ip": "5.5.209.205",
  "subnet": "5.5.209.205/30",
  "link": "Using LTE Vodafone"
}, {
  "name": "wan1",
  "phy": "wan1",
  "layer2Active": false,
  "layer3Active": false,
  "stable": false,
  "bestWan": false,
  "defaultRoute": false,
  "alwaysOn": true,
  "absoluteThreshold": false,
  "authenticationFailure": false,

```

```

        "highLatency": false,
        "highPacketLoss": false,
        "noArp": false,
        "signalStrength": -1,
        "type": "eth",
        "weight": 9,
        "description": "Ethernet",
        "downstreamSpeed": 0,
        "upstreamSpeed": 0,
        "failoverDelay": 10,
        "link": "0Mb/s Unknown"
    }
}
}]
}

```

Example 2 (Managed Switch)

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Elgin-001",
  "makoName": "Managed Switch - Main",
  "states": [{
    "error": false,
    "firmwareVersion": "S1000-FSW1226-6",
    "applicationStartTimestamp": "2023-06-09T09:15:20.010+0000",
    "recordTimestamp": "2023-06-27T06:00:22.620+0000",
    "startupCount": 1,
    "debugFirmware": true,
    "id": "40436eef-4297-4750-877f-d6f7331ab490",
    "makoId": "30:1A:28:55:55:55",
    "switchports": [{
      "up": false
    },
    {
      "state": "1G",
      "up": true
    },
    {
      "state": "Down",
      "up": false
    },
    {
      "state": "Down",

```

```

        "up": false
      },
      {
        "state": "Down",
        "up": false
      },
      {
        "state": "Down",
        "up": false
      },
      {
        "state": "1G",
        "up": true
      },
      {
        "state": "100M_F",
        "up": true
      }
    ]
  }
}

```

Mako Device Traffic Streams

These streams detail the bytes sent/received for the various network ports on the Mako Device.

Frequency: Every 10 minutes.

Example 1

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Elgin-001",
  "makoName": "Security Gateway - Main",
  "logs": [{
    "interfaceName": "lan1",
    "startDate": "2023-05-31T01:02:43+0000",
    "endDate": "2023-05-31T01:12:34+0000",
    "totalIn": 15763590,
    "totalOut": 219394741,
    "bandwidthInMax": 83475,
    "bandwidthOutMax": 2014947,
    "bandwidthInAvg": 26717,
    "bandwidthOutAvg": 371855,
    "bandwidthInMin": 2173,

```

```

        "bandwidthOutMin": 1825
    }, {
        "interfaceName": "wlan0",
        "startDate": "2023-05-31T01:02:43+0000",
        "endDate": "2023-05-31T01:12:34+0000",
        "totalIn": 121506,
        "totalOut": 595147,
        "bandwidthInMax": 2413,
        "bandwidthOutMax": 26410,
        "bandwidthInAvg": 205,
        "bandwidthOutAvg": 1008,
        "bandwidthInMin": 25,
        "bandwidthOutMin": 153
    }, {
        "interfaceName": "wan1",
        "startDate": "2023-05-31T01:02:43+0000",
        "endDate": "2023-05-31T01:12:34+0000",
        "totalIn": 225574923,
        "totalOut": 16972998,
        "bandwidthInMax": 2036409,
        "bandwidthOutMax": 93934,
        "bandwidthInAvg": 382330,
        "bandwidthOutAvg": 28767,
        "bandwidthInMin": 1840,
        "bandwidthOutMin": 1772
    }
]
}

```

PC Traffic Streams

These streams detail the bytes sent/received by the end user devices behind a Mako.

Frequency: Every 10 minutes.

Example 1

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Elgin-001",
  "makoName": "Security Gateway - Main",
  "logs": [{
    "mac": "55:55:55:01:FC:ED",
    "destinationIp": "4.2.2.2",

```

```

        "destinationPort": 53,
        "protocol": 17,
        "fromAmount": 1440,
        "toAmount": 1120,
        "timestamp": "2023-05-31T00:06:24+0000"
    }, {
        "mac": "55:55:55:03:29:32",
        "destinationIp": "8.8.8.8",
        "destinationPort": 53,
        "protocol": 17,
        "fromAmount": 0,
        "toAmount": 75,
        "timestamp": "2023-05-31T00:06:24+0000"
    }, {
        "mac": "55:55:55:01:FC:ED",
        "destinationIp": "5.5.197.47",
        "destinationPort": 2112,
        "protocol": 17,
        "fromAmount": 1500,
        "toAmount": 1500,
        "wan": "wan1",
        "timestamp": "2023-05-31T00:14:18+0000"
    }
]
}

```


Speed Test Result Streams

These streams contain the speed test results conducted by a Mako.

Field	Comments
inf	Normalized name of the WAN that was tested (e.g. wan1, wan2, wanN, cell1, cell2, dsl1, etc)
ping	Milliseconds
jitter	Milliseconds
upload	Upload speed in bits per second
download	Download speed in bits per second

Frequency: Per the speed test schedule for the site

Example 1

```
{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
  "labels": [],
  "metadata": {},
  "results": [
    {
      "testDate": "2024-08-19T17:03:07+0000",
      "inf": "wan1",
      "ping": 2.2699999809265137,
      "jitter": 0.05999999865889549,
      "upload": 864169982,
      "download": 4316869934
    }
  ]
}
```

ATG Data Streams

These streams contain ATG command data. The exact data depends upon the ATG command(s) run at the time. This functionality requires the Mako device to be running F6560 or newer firmware.

The actual result data from the ATG is base64-encoded in order to preserve newlines and other characters not allowed in standard JSON.

ATG commands are case sensitive. Commands starting with an uppercase letter typically denote display output while lowercase denote machine readable output. Please refer to the ATG vendors' manual specific to the ATG make and model for more information about the underlying data formats.

Duplicate sequential command responses are filtered out if the responses all occur within a small time window (typically under an hour but this value could change without notice).

A single ATG Data Stream payload can contain:

- Multiple ATG commands and responses.
- Multiple invocations of the same ATG command but at different times.
- Old data, including out of sequence data. Please always compare timestamps of each individual ATG command against what has been received previously.

Field	Comments
command	The command run, e.g. i20100 or l20100 for inventory level
rawResponse	Base64-encoded ASCII text response from the ATG
jsonResponse	Optional. JSON-structured response. Machine readable commands (those that start with lowercase letters) may be parsed by the Mako CMS into a JSON response. Not applicable to all commands.
ip	IP of the ATG
mac	MAC address of the ATG

Frequency: Per the ATG monitoring configuration for the site. Different ATG commands will have different frequencies. The Inventory status command will be the most frequent.

Example 1

```
{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
}
```

```

"labels": [],
"metadata": {},
"atgData": [
  {
    "timestamp": "2024-08-07T04:00:38+0000",
    "rawResponse": "D...",
    "jsonResponse": { ... },
    "ip": "10.20.30.40",
    "mac": "00:20:55:55:55:55",
    "command": "i20100"
  },
  {
    "timestamp": "2024-08-07T04:00:38+0000",
    "rawResponse": "a...",
    "jsonResponse": { ... },
    "ip": "10.20.30.40",
    "mac": "00:20:55:55:55:55",
    "command": "i20100"
  }
]
}

```

Supported ATG Commands

These are the default list of supported commands.

Please contact Mako Support if you require additional commands or different poll frequencies. The default user-set poll frequency is every 3 minutes. The CMS dynamically filters out duplicate responses to avoid sending data too aggressively.

Command	Description	Poll Frequency	Response Formats
i11000	Combined Alarm History Report	User-set	Machine, JSON
i11100	Priority Alarm History Report	User-set	Machine, JSON
i11200	Non-Priority Alarm History Report	User-set	Machine, JSON
i11300	Active Alarm Report	User-set	Machine
i20100	In-Tank Inventory Report	User-set	Machine, JSON
i20200	In-Tank Delivery Report	Hourly	Machine
i20700	In-Tank Leak History Test Report	Daily	Machine
i51700	Show System Type	Daily	Machine, JSON
i60100	Show Tank Configuration	Daily	Machine
i60200	Show Tank Label	Daily	Machine, JSON
i60300	Show Tank Product Code	Daily	Machine

i60400	Show Tank 1 Full Height Volume	Daily	Machine
i20100	In-Tank Inventory	User-set	Human-readable

Example: Alarm History Report

This example covers i11000, i11100, i11200 commands.

Depending on the exact model of ATG, it may not support the combined alarm history report (i11000).

```
{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
  "labels": [],
  "metadata": {},
  "atgData": [
    {
      "timestamp": "2024-09-30T21:37:01+0000",
      "rawResponse": "aTExm...",
      "jsonResponse": {
        "alarms": [
          {
            "tankId": 1,
            "ts": "2024-09-25T19:30:00",
            "state": "ALARM_CLEARED",
            "alarmCategory": "02",
            "sensorCategory": "00",
            "alarmType": "26"
          },
          {
            "tankId": 1,
            "ts": "2024-09-20T16:30:00",
            "state": "ALARM_OCCURRED",
            "alarmCategory": "02",
            "sensorCategory": "00",
            "alarmType": "26"
          }
        ]
      },
      "ip": "10.20.30.40",
      "mac": "00:20:55:55:55:55",
      "command": "i11100"
    }
  ]
}
```

Please refer to your ATG manual for the exact supported values.

Example: In-Tank Inventory Report

This example covers the i20100 command.

The units specified in the response can be found in the data from i51700.

Where possible a label is applied to the tank, but if it is null you should refer to the data from i60200 to determine the label.

```
{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
  "labels": [],
  "metadata": {},
  "atgData": [
    {
      "timestamp": "2024-09-30T21:37:01+0000",
      "rawResponse": "aTEXM...",
      "jsonResponse": {
        "tankData": [
          {
            "tankId": 1,
            "label": null,
            "tankReadout": {
              "productCode": 1,
              "tankStatus": 2,
              "volume": 5832.685,
              "tcVolume": 5817.545,
              "ullage": 12167.315,
              "height": 831.766,
              "water": 0,
              "temperature": 18.16786,
              "waterVolume": 0
            }
          },
          {
            "tankId": 2,
            "label": null,
            "tankReadout": {
              "productCode": 2,
              "tankStatus": 2,
              "volume": 15650.976,
              "tcVolume": 15613.125,
              "ullage": 6849.026,
              "height": 1475.3431,
              "water": 23.110409,
              "temperature": 16.82842,
              "waterVolume": 35.256275
            }
          }
        ]
      }
    }
  ]
}
```

```

    {
      "tankId": 3,
      "label": null,
      "tankReadout": {
        "productCode": 3,
        "tankStatus": 2,
        "volume": 18595.705,
        "tcVolume": 18542.715,
        "ullage": 8404.295,
        "height": 1459.7245,
        "water": 0,
        "temperature": 18.423344,
        "waterVolume": 0
      }
    },
    {
      "tankId": 4,
      "label": null,
      "tankReadout": {
        "productCode": 4,
        "tankStatus": 2,
        "volume": 9110.495,
        "tcVolume": 9080.215,
        "ullage": 13389.508,
        "height": 974.81287,
        "water": 0,
        "temperature": 17.607803,
        "waterVolume": 0
      }
    }
  ],
  "ip": "10.20.30.40",
  "mac": "00:20:55:55:55:55",
  "command": "i111100"
}
]
}

```

Example: Show System Type

This example covers the i51700 command.

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
  "labels": [],

```

```

"metadata": {},
"atgData": [
  {
    "timestamp": "2024-09-30T21:37:01+0000",
    "rawResponse": "aTExM...",
    "jsonResponse": {
      "systemUnitsCode": 1,
      "systemUnitsDesc": "U.S.",
      "systemLanguageCode": 1,
      "systemLanguageDesc": "English"
    },
    "ip": "10.20.30.40",
    "mac": "00:20:55:55:55:55",
    "command": "i51700"
  }
]
}

```

The main supported system units are:

- 1 - U.S. (U.S. Gallons and Inches)
- 2 - Metric (Litres and Millimetres)
- 3 - Imperial Gallons (Imperial Gallons and Inches)

Example: Show Tank Label

This example covers the i60200 command.

```

{
  "makoId": "40436eef-4297-4750-877f-d6f7331ab490",
  "companyName": "Customer A",
  "siteName": "Customer A",
  "makoName": "Elgin-001",
  "siteId": "Elgin-001-Ref",
  "siteUuid": "bb4a4549-441b-4dee-86be-b67163944a61",
  "makoMacAddress": "30:1A:28:55:55:55",
  "labels": [],
  "metadata": {},
  "atgData": [
    {
      "timestamp": "2024-09-30T21:37:01+0000",
      "rawResponse": "aTExM...",
      "jsonResponse": {

```

```

    "labels": [
      {
        "tankId": 1,
        "label": "GO SUP+ 20M3"
      },
      {
        "tankId": 2,
        "label": "95 E 10 25M3"
      },
      {
        "tankId": 3,
        "label": "GAZOLE 30M3"
      },
      {
        "tankId": 4,
        "label": "98 SUP+ 25M3"
      },
      {
        "tankId": 5,
        "label": ""
      },
      {
        "tankId": 6,
        "label": ""
      },
      {
        "tankId": 7,
        "label": ""
      },
      {
        "tankId": 8,
        "label": ""
      }
    ]
  },
  "ip": "10.20.30.40",
  "mac": "00:20:55:55:55:55",
  "command": "i51700"
}
]
}

```


Appendix: Webhook Event Types

The below are lists of event types that can trigger a message. Additional event types can be added as required, but are not included by default, so client code must ignore messages with unrecognized event types.

Alert Events

Event Name	Event Title
<i>ABSOLUTE_THRESHOLD_CREATED</i>	Absolute Threshold block created
<i>ABSOLUTE_THRESHOLD_REMOVED</i>	Absolute Threshold block removed
<i>ACCOUNT_PASSWORD_EXPIRED_EMAIL</i>	Password Has Expired
<i>ACCOUNT_PASSWORD_EXPIRE_WARNING2_EMAIL</i>	Password Expires Shortly - Final Warning
<i>ACCOUNT_PASSWORD_EXPIRE_WARNING_EMAIL</i>	Password Expires Shortly
<i>AP_SCAN_CHANGED_APS</i>	AP scan changed APs
<i>AP_SCAN_NEW_APS</i>	AP scan new APs
<i>EXTENDED_FAILOVER_ALERT_LEVEL_1</i>	Extended Failover Alert - Threshold 1
<i>EXTENDED_FAILOVER_ALERT_LEVEL_2</i>	Extended Failover Alert - Threshold 2
<i>EXTENDED_OFFLINE_ALERT_LEVEL_1</i>	Extended Offline Alert - Threshold 1
<i>EXTENDED_OFFLINE_ALERT_LEVEL_2</i>	Extended Offline Alert - Threshold 2
<i>EXTENDED_WAN_DOWN_ALERT_LEVEL_1</i>	Extended WAN Down Alert - Threshold 1
<i>EXTENDED_WAN_DOWN_ALERT_LEVEL_2</i>	Extended WAN Down Alert - Threshold 2
<i>EXTENDED_WAN_FAILOVER_ALERT_LEVEL_1</i>	Extended WAN Failover Alert - Threshold 1
<i>EXTENDED_WAN_FAILOVER_ALERT_LEVEL_2</i>	Extended WAN Failover Alert - Threshold 2
<i>EXTRAORDINARY_USAGE_ALERT</i>	Extraordinary Usage Alert
<i>FAILOVER_USAGE_ALERT</i>	Cellular Usage Alert
<i>FIRMWARE_UPDATE_APPLIED</i>	Firmware update applied
<i>FIRMWARE_UPDATE_AVAILABLE</i>	Firmware update available
<i>FIRMWARE_UPDATE_STARTED</i>	Firmware update started
<i>LICENCE_ALERT_DUE_30_DAYS</i>	30 Day Licence Alert
<i>LICENCE_ALERT_DUE_60_DAYS</i>	60 Day Licence Alert

<i>LICENCE_ALERT_DUE_90_DAYS</i>	90 Day Licence Alert
<i>LICENCE_ALERT_DUE_NOW</i>	Expired Licence Alert
<i>LICENCE_ALERT_OVERDUE_30_DAYS</i>	Overdue Licence Alert
<i>LOGIN_DURING_LOCKOUT</i>	Login Attempt During Lockout
<i>LOGIN_FAILURE</i>	Login Failure
<i>LOGIN_LOCKOUT_OFF</i>	Lockout Was Disabled by an Administrator
<i>LOGIN_LOCKOUT_ON</i>	Login Lockout Activated
<i>LOGIN_OK</i>	Login Successful
<i>LOG_OFF</i>	Log off
<i>MAKO_INACTIVE</i>	Mako inactive
<i>MAKO_IS_ONLINE</i>	Mako is online
<i>MAKO_MESSAGE_AUTH_ERROR</i>	Internet Authentication Error
<i>MAKO_MESSAGE_ERROR</i>	General Warning
<i>MAKO_MESSAGE_FAILOVER_BACKUP</i>	Acting as Secondary
<i>MAKO_MESSAGE_FAILOVER_MASTER</i>	Acting as Primary
<i>MAKO_MESSAGE_FAN_ALERT</i>	Fan Speed Warning
<i>MAKO_MESSAGE_TEMPERATURE_ALERT</i>	Temperature Warning
<i>MAKO_MESSAGE_WAN_FAILBACK</i>	Using Primary WAN
<i>MAKO_MESSAGE_WAN_FAILOVER</i>	Using Secondary WAN
<i>MAKO_MESSAGE_WAN_FAILTEST</i>	Secondary WAN failed connectivity test
<i>MAKO_MESSAGE_WORM</i>	Worm Detected
<i>MAKO_STARTUP</i>	Mako started up
<i>NEW_LAN_DEVICE_DETECTED</i>	New LAN device detected
<i>NOT_HEARD_FROM_MAKO</i>	Not heard from Mako
<i>OPENVPN_LOGIN_FAILURE</i>	OpenVPN Login Failure
<i>OPENVPN_LOGIN_OK</i>	OpenVPN Login Successful
<i>PASSWORD_RESET</i>	Password Reset
<i>PASSWORD_RESET_FAILURE</i>	Password Reset Failure
<i>PERSON_PUBLIC_KEY_CHANGE</i>	Public key change

<i>PLAN_LIMIT_EMAILED</i>	Plan Limit Reached
<i>PORT_SCAN_DETECTED</i>	Network Scan Detected
<i>SYSTEM_ACCOUNT_LOCKOUT_CLEARED</i>	Account Lockout Cleared
<i>TAMPER_SWITCH_NOTIFICATION</i>	Mako has been tampered with
<i>THRESHOLD_EMAILED</i>	Warning Threshold
<i>THRESHOLD_CHANGE_EVENT</i>	Usage Threshold Change
<i>UNAUTHORISED_DEVICE_DETECTED</i>	Unauthorised Device Detected
<i>VPN_COUNT_CHANGE</i>	VPN status alert
<i>VULN_SCAN_STARTED</i>	Vulnerability Scan Started
<i>VULN_SCAN_FINISHED</i>	Vulnerability Scan Finished
<i>VULN_SCAN_MANUAL_SCAN_REQUESTED</i>	Manual Vulnerability Scan requested
<i>WORM_BLOCK_REMOVED</i>	Worm Block Removed

Configuration Events

Event Name	Event Title
<i>ABSOLUTE_THRESHOLD_CHANGED</i>	Absolute Threshold Changed
<i>ACCOUNT_CREATED</i>	User Created
<i>ACCOUNT_DELETED</i>	User Deleted
<i>ACCOUNT_DISABLED</i>	User Disabled
<i>ACCOUNT_ENABLED</i>	User Enabled
<i>ACCOUNT_IMPORTED</i>	User Employment Change
<i>ACCOUNT_INFO_CHANGED</i>	User Info Changed
<i>ACCOUNT_REMOVED_FROM_COMPANY</i>	User Removed From Company
<i>ACCOUNT_TEMPLATE_CHANGED</i>	User Template Changed
<i>ADDRESS_CHANGED</i>	Address Changed
<i>AP_REVIEW</i>	AP reviewed
<i>AP_SCAN_CONFIG_CREATED</i>	AP Scan config created
<i>AP_SCAN_CONFIG_MODIFIED</i>	AP Scan config modified

API_CLIENT_ID_CREATED	API Client ID added
API_CLIENT_ID_DELETED	API Client ID deleted
API_SOURCE_IP_SUBNET_ADDED	API source subnet added
API_SOURCE_IP_SUBNET_DELETED	API source subnet deleted
BGP_CONFIG_MODIFIED	BGP Config modified
BGP_EXPORT_FILTER_ADDED	BGP Export Filter added
BGP_EXPORT_FILTER_DELETED	BGP Export Filter deleted
BGP_EXPORT_FILTER_MODIFIED	BGP Export Filter modified
BGP_IMPORT_FILTER_ADDED	BGP Import Filter added
BGP_IMPORT_FILTER_DELETED	BGP Import Filter deleted
BGP_IMPORT_FILTER_MODIFIED	BGP Import Filter modified
BGP_PEER_ADDED	BGP Peer added
BGP_PEER_DELETED	BGP Peer deleted
BGP_PEER_MODIFIED	BGP Peer modified
CELLULAR_CONFIG_CHANGE	Cellular Configuration changed
CELLULAR_INTERNET_PERMISSIONS_CHANGE	Internet Failover Restrictions Changed
COMPANY_CFTRAFFIC_STREAM_CREATED	CF Traffic Stream created
COMPANY_CFTRAFFIC_STREAM_DELETED	CF Traffic Stream deleted
COMPANY_CFTRAFFIC_STREAM_MODIFIED	CF Traffic Stream modified
COMPANY_CONTACT_CHANGED	Company Contact Changed
COMPANY_CREATED	Company Created
COMPANY_DELETED	Company Deleted
COMPANY_DEVICESTATE_STREAM_CREATED	Device State Stream created
COMPANY_DEVICESTATE_STREAM_CREATED	Device State Stream created
COMPANY_DEVICESTATE_STREAM_DELETED	Device State Stream deleted
COMPANY_DEVICESTATE_STREAM_DELETED	Device State Stream deleted
COMPANY_DEVICESTATE_STREAM_MODIFIED	Device State Stream modified
COMPANY_DEVICESTATE_STREAM_MODIFIED	Device State Stream modified

COMPANY_INFO_CHANGED	Company Information Changed
COMPANY_LOGSTREAM_CREATED	Log Stream created
COMPANY_LOGSTREAM_DELETED	Log Stream deleted
COMPANY_LOGSTREAM_MODIFIED	Log Stream modified
COMPANY_MAKOTRAFFIC_STREAM_CREATED	Mako Traffic Stream created
COMPANY_MAKOTRAFFIC_STREAM_DELETED	Mako Traffic Stream deleted
COMPANY_MAKOTRAFFIC_STREAM_MODIFIED	Mako Traffic Stream modified
COMPANY_MOVED	Company Moved
COMPANY_NAMING_CONVENTIONS_CREATED	Naming Conventions created
COMPANY_NAMING_CONVENTIONS_DELETED	Naming Conventions deleted
COMPANY_NAMING_CONVENTIONS_MODIFIED	Naming Conventions modified
COMPANY_NETWORK_CREATED	Company Network Created
COMPANY_NETWORK_DELETED	Company Network Deleted
COMPANY_NETWORK_MODIFIED	Company Network Modified
COMPANY_PCTRAFFIC_STREAM_CREATED	PC Traffic Stream created
COMPANY_PCTRAFFIC_STREAM_DELETED	PC Traffic Stream deleted
COMPANY_PCTRAFFIC_STREAM_MODIFIED	PC Traffic Stream modified
COMPANY_WEBHOOK_CREATED	Webhook created
COMPANY_WEBHOOK_DELETED	Webhook deleted
COMPANY_WEBHOOK_MODIFIED	Webhook modified
DATA_POOL_PLAN_ADDED	Data pool plan added
DATA_POOL_PLAN_DELETED	Data pool plan deleted
DATA_POOL_PLAN_MODIFIED	Data pool plan modified
DHCP_LEASE_ADDITION	DHCP Lease Created
DHCP_LEASE_DELETION	DHCP Lease Deleted
DHCP_LEASE_MODIFIED	DHCP Lease Modified
DOMAIN_BASED_FIREWALL_RULES_ACTIVATED	Domain-Based firewall rules activated
DSL_CONFIG_CHANGE	DSL Configuration changed

DYNAMIC_DNS_ADDITION	Dynamic DNS Account created
DYNAMIC_DNS_DELETION	Dynamic DNS Account removed
DYNAMIC_DNS_FAILURE	Dynamic DNS Failure
DYNAMIC_DNS_MODIFICATION	Dynamic DNS Account modified
EMAIL_CHANGED	Email Address Changed
ENTERPRISE_AP_SCAN_CONFIG_CREATED	Enterprise AP Scan config created
ENTERPRISE_AP_SCAN_CONFIG_MODIFIED	Enterprise AP Scan config modified
ENTERPRISE_FIREWALL_RULE_ADDED	Enterprise Firewall Rule Added
ENTERPRISE_FIREWALL_RULE_ADDED_PENDING	Enterprise Firewall Rule Added - Pending Review
ENTERPRISE_FIREWALL_RULE_DELETED	Enterprise Firewall Rule Deleted
ENTERPRISE_FIREWALL_RULE_DELETED_PENDING	Enterprise Firewall Rule Deleted - Pending Review
ENTERPRISE_FIREWALL_RULE_EXPORTED	Enterprise Firewall Rule Exported to CSV
ENTERPRISE_FIREWALL_RULE_MODIFIED	Enterprise Firewall Rule Modified
ENTERPRISE_FIREWALL_RULE_MODIFIED_PENDING	Enterprise Firewall Rule Modified - Pending Review
ENTERPRISE_SWITCH_MODEL_TEMPLATE_CREATED	Enterprise Switch model template created
ENTERPRISE_SWITCH_MODEL_TEMPLATE_MODIFIED	Enterprise Switch model template modified
ENTERPRISE_SWITCH_PORT_TEMPLATE_CREATED	Enterprise Switch port template created
ENTERPRISE_SWITCH_PORT_TEMPLATE_DELETED	Enterprise Switch port template deleted
ENTERPRISE_SWITCH_PORT_TEMPLATE_MODIFIED	Enterprise Switch port template modified
ENTERPRISE_SWITCH_TEMPLATE_CREATED	Enterprise Switch template created
ENTERPRISE_SWITCH_TEMPLATE_MODIFIED	Enterprise Switch template modified
ENTERPRISE_TEMPLATE_ADDED	Enterprise Template Added
ENTERPRISE_TEMPLATE_CHANGE_APPROVED	Enterprise Template Change Approved

ENTERPRISE_TEMPLATE_CHANGE_REJECTED	Enterprise Template Change Rejected
ENTERPRISE_TEMPLATE_DELETED	Enterprise Template Deleted
ENTERPRISE_TEMPLATE_GEOIP_CONFIG_CREATED	Enterprise Country Firewall added
ENTERPRISE_TEMPLATE_GEOIP_CONFIG_DELETED	Enterprise Country Firewall deleted
ENTERPRISE_TEMPLATE_GEOIP_CONFIG_MODIFIED	Enterprise Country Firewall modified
ENTERPRISE_TEMPLATE_MODIFIED	Enterprise Template Modified
ENTERPRISE_TEMPLATE_MOVED	Enterprise Template moved to another company
ENTERPRISE_TEMPLATE_REVIEW_OVERDUE	Enterprise Template Review Overdue
ENTERPRISE_TEMPLATE_REVIEWED	Enterprise Template Reviewed
ENTERPRISE_TEMPLATE_SUBSCRIBED	Subscribed to Enterprise Template
ENTERPRISE_TEMPLATE_UNSUBSCRIBED	Unsubscribed from Enterprise Template
ENTERPRISE_TEMPLATE_VALIDITY_SET	Enterprise Template Validity Set
ET_RULES_FILE_IMPORTED	Enterprise Template Firewall Rules Imported
ETH_CONFIG_CHANGE	Ethernet Configuration changed
FAILOVER_CONFIG_DELETED	Failover Disabled
FAILOVER_CONFIG_MODIFIED	Failover Modified
FAN_ALERT_THRESHOLD_CHANGE	Fan Speed Alert Threshold changed
FILTER_ATTRIBUTE_CHANGE	Content Filter Lists Changed
FILTER_CONFIG_CHANGE	Content Filter Changed
FILTER_SITE_CATEGORY_CHANGE	Content Filter Category Changed
FILTER_SITE_PHRASELIST_CHANGE	Content Filter Phrase List Changed
FIREWALL_ADDITION	Firewall Rule Added
FIREWALL_DELETION	Firewall Rule Deleted
FIREWALL_MODIFICATION	Firewall Rule Modified
FIREWALL_SETTINGS_MODIFIED	Firewall Settings Modified
FIREWALL_TRACE_DISABLED	Trace logging Deactivated

FIREWALL_TRACE_ENABLED	Trace Logging Activated
FIRMWARE_STREAM_ADDED	Firmware Stream added
FIRMWARE_STREAM_DELETED	Firmware Stream deleted
FIRMWARE_STREAM_EDITED	Firmware Stream edited
FIRMWARE_UPDATE_WINDOW_ADDED	Firmware Update Window added
FIRMWARE_UPDATE_WINDOW_DELETED	Firmware Update Window deleted
FIRMWARE_UPDATE_WINDOW_EDITED	Firmware Update Window edited
GENERIC_CONFIG_CHANGE	Configuration modified
HEALTH_MONITOR_CREATED	Health Monitor created
HEALTH_MONITOR_DELETED	Health Monitor deleted
HEALTH_MONITOR_MODIFIED	Health Monitor modified
HOTSPOT_CONFIGURATION_CHANGED	Hotspot changed
HOTSPOT_EXTERNAL_PROVIDER_CHANGED	External Hotspot Provider changed
HOTSPOT_WHITELIST_CHANGED	Hotspot whitelist changed
IDS_CHANGE_APPROVED	IDS Profile Change Approved
IDS_CHANGE_REJECTED	IDS Profile Change Rejected
IDS_MODIFIED	IDS settings modified
IDS_REVIEW_OVERDUE	IDS Profile Review Overdue
IDS_REVIEWED	IDS Profile Reviewed
IDS_SOURCE_CREATED	IDS Rule Source created
IDS_SOURCE_DELETED	IDS Rule Source deleted
IDS_SOURCE_MODIFIED	IDS Rule Source modified
IGMP_CONFIG_CREATED	IGMP Config Created
IGMP_CONFIG_MODIFIED	IGMP Config Modified
IP_GROUP_CHANGE_APPROVED	IP Group change approved
IP_GROUP_CHANGE_REJECTED	IP Group change rejected
IP_GROUP_CREATED	IP Group created
IP_GROUP_DELETED	IP Group deleted
IP_GROUP_ENTRY_ADDED	IP Group entry created

IP_GROUP_ENTRY_ADDED_PENDING	IP Group Entry added - Pending Review
IP_GROUP_ENTRY_DELETED	IP Group entry deleted
IP_GROUP_ENTRY_DELETED_PENDING	IP Group Entry deleted - Pending Review
IP_GROUP_ENTRY_MODIFIED	IP Group entry edited
IP_GROUP_ENTRY_MODIFIED_PENDING	IP Group Entry modified - Pending Review
IP_GROUP_MODIFIED	IP Group edited
IP_GROUP_REVIEW_OVERDUE	IP Group Review Overdue
IP_GROUP_REVIEWED	IP Group Reviewed
IP_SEC_ADDITION	VPN Addition
IP_SEC_DELETION	VPN Deletion
IP_SEC_MODIFICATION	VPN Modified
IPSEC_PROFILE_ADDED	IPsec Profile added
IPSEC_PROFILE_DELETED	IPsec Profile deleted
IPSEC_PROFILE_MODIFIED	IPsec Profile modified
LABEL_ADDED	Label added
LABEL_DELETED	Label deleted
LABEL_EDITED	Label edited
LAN_CONFIG_CHANGE	LAN Configuration changed
LICENSE_EVENT	Licence Modification
LLDP_CONFIG_CREATED	LLDP Config Created
LLDP_CONFIG_MODIFIED	LLDP Config Modified
LOAD_BALANCE_SETTINGS_MODIFIED	Load Balancing settings changed
LOCAL_DNS_SETTINGS_CHANGED	Local DNS Settings Changed
MAKO_CONFIG_REVIEWED	Mako Configuration Reviewed
MAKO_CREATED	Mako Created
MAKO_DELETED	Mako Deleted
MAKO_FIRMWARE_SETTINGS	Firmware settings changed

MAKO_GEOIP_CONFIG_CREATED	Country Firewall added
MAKO_GEOIP_CONFIG_DELETED	Country Firewall deleted
MAKO_GEOIP_CONFIG_MODIFIED	Country Firewall modified
MAKO_HARDWARE_TYPE_CHANGE	Mako hardware type changed
MAKO_IDENTIFICATION_CHANGE	Identification Change
MAKO_MOVED	Mako Moved
MAKO_POOL_CREATED	Mako Pool created
MAKO_POOL_DELETED	Mako Pool deleted
MAKO_POOL_MEMBERSHIP_CREATED	Mako Pool Membership created
MAKO_POOL_MEMBERSHIP_DELETED	Mako Pool Membership deleted
MAKO_POOL_MEMBERSHIP_MODIFIED	Mako Pool Membership modified
MAKO_POOL_MODIFIED	Mako Pool modified
MAKO_TEMPLATE_APPLIED	Mako Template
METADATA_ADDED	Metadata added
METADATA_DELETED	Metadata deleted
METADATA_EDITED	Metadata edited
METADATA_SUGGESTION_CREATED	Metadata Suggestion added
METADATA_SUGGESTION_DELETED	Metadata Suggestion deleted
METADATA_SUGGESTION_MODIFIED	Metadata Suggestion edited
METADATA_SUGGESTION_VALUE_CREATED	Metadata Suggestion Value added
METADATA_SUGGESTION_VALUE_DELETED	Metadata Suggestion Value deleted
METADATA_SUGGESTION_VALUE_MODIFIED	Metadata Suggestion Value edited
MVPN_ADDITION	VPN Cloud Added
MVPN_DELETION	VPN Cloud Deleted
MVPN_MEMBER_ADDED	VPN Cloud Member Added
MVPN_MEMBER_DELETED	VPN Cloud Member Deleted
MVPN_MEMBER_MODIFIED	VPN Cloud Member Modified
MVPN_MEMBER_PROPERTY_MODIFIED	VPN Cloud Member's Property Modified

MVPN_MODIFICATION	VPN Cloud Modified
NAC_CONFIG_CREATED	NAC Config Created
NAC_CONFIG_MODIFIED	NAC Config Modified
NETFLOW_SETTINGS_CHANGED	Netflow Settings Changed
NETWORK_SCAN_CONFIG_CREATED	Network Scan Config created
NETWORK_SCAN_CONFIG_DELETED	Network Scan Config deleted
NETWORK_SCAN_CONFIG_MODIFIED	Network Scan Config modified
NETWORK_SCAN_REQUESTED	Network Scan requested
NOTE_UPDATED	Note updated
OPENVPN_ACCESS_GRANTED	OpenVPN Access Granted
OPENVPN_ACCESS_REVOKED	OpenVPN Access Revoked
OPENVPN_CLIENT_CONFIG_DOWNLOAD	OpenVPN Client Config Downloaded
OPENVPN_SETTINGS_CHANGED	OpenVPN Settings Changed
PAYMENT_GATEWAY_CREATED	Payment Gateway created
PAYMENT_GATEWAY_DELETED	Payment Gateway deleted
PAYMENT_GATEWAY_MODIFIED	Payment Gateway modified
PAYMENT_GATEWAY_SUBNET_CREATED	Payment Gateway Subnet created
PAYMENT_GATEWAY_SUBNET_DELETED	Payment Gateway Subnet deleted
PAYMENT_GATEWAY_SUBNET_MODIFIED	Payment Gateway Subnet modified
PCI_COMPLIANCE_BROKEN_EVENT	PCI DSS Template Overridden
PCI_COMPLIANCE_FIXED_EVENT	PCI DSS Template Restored
PCI_GENERIC_EVENT	PCI DSS Event
PCI_PROFILE_BASE_SSID_ADDED	PCI Group Base SSID added
PCI_PROFILE_BASE_SSID_DELETED	PCI Group Base SSID deleted
PCI_PROFILE_BASE_SSID_MODIFIED	PCI Group Base SSID modified
PCI_PROFILE_CHANGE_APPROVED	PCI Group Change Approved
PCI_PROFILE_CHANGE_REJECTED	PCI Group Change Rejected
PCI_PROFILE_CREATED	PCI Group added
PCI_PROFILE_DELETED	PCI Group deleted

PCI_PROFILE_ENTERPRISE_TEMPLATE_ADDED	PCI Group enterprise template added
PCI_PROFILE_ENTERPRISE_TEMPLATE_ADDED_PENDING	PCI Group enterprise template added - Pending Approval
PCI_PROFILE_ENTERPRISE_TEMPLATE_DELETED	PCI Group enterprise template deleted
PCI_PROFILE_ENTERPRISE_TEMPLATE_DELETED_PENDING	PCI Group enterprise template deleted - Pending Approval
PCI_PROFILE_ENTERPRISE_TEMPLATE_MODIFIED	PCI Group enterprise template modified
PCI_PROFILE_ENTERPRISE_TEMPLATE_MODIFIED_PENDING	PCI Group enterprise template modified - Pending Approval
PCI_PROFILE_MODIFIED	PCI Group modified
PCI_PROFILE_NETWORK_ADDED	PCI Group network added
PCI_PROFILE_NETWORK_ADDED_PENDING	PCI Group network added - Pending Approval
PCI_PROFILE_NETWORK_DELETED	PCI Group network deleted
PCI_PROFILE_NETWORK_DELETED_PENDING	PCI Group network deleted - Pending Approval
PCI_PROFILE_NETWORK_MODIFIED	PCI Group network modified
PCI_PROFILE_NETWORK_MODIFIED_PENDING	PCI Group network modified - Pending Approval
PCI_PROFILE_PAYMENT_GATEWAY_ADDED	PCI Group payment gateway added
PCI_PROFILE_PAYMENT_GATEWAY_ADDED_PENDING	PCI Group payment gateway added - Pending Approval
PCI_PROFILE_PAYMENT_GATEWAY_DELETED	PCI Group payment gateway deleted
PCI_PROFILE_PAYMENT_GATEWAY_DELETED_PENDING	PCI Group payment gateway deleted - Pending Approval
PCI_PROFILE_PAYMENT_GATEWAY_MODIFIED	PCI Group payment gateway modified
PCI_PROFILE_PAYMENT_GATEWAY_MODIFIED_PENDING	PCI Group payment gateway modified - Pending Approval
PCI_PROFILE_PRE_APPROVED_CONTENT_ADDED	PCI Group pre approved content added

PCI_PROFILE_PRE_APPROVED_CONTENT_ADDED_PENDING	PCI Group pre approved content added - Pending Approval
PCI_PROFILE_PRE_APPROVED_CONTENT_DELETED	PCI Group pre approved content deleted
PCI_PROFILE_PRE_APPROVED_CONTENT_DELETED_PENDING	PCI Group pre approved content deleted - Pending Approval
PCI_PROFILE_PRE_APPROVED_CONTENT_MODIFIED	PCI Group pre approved content modified
PCI_PROFILE_PRE_APPROVED_CONTENT_MODIFIED_PENDING	PCI Group pre approved content modified - Pending Approval
PCI_PROFILE_REVIEWED	PCI Group Reviewed
PCI_PROFILE_SAQ_TEMPLATE_ADDED	PCI Group saq template added
PCI_PROFILE_SAQ_TEMPLATE_ADDED_PENDING	PCI Group saq template added - Pending Approval
PCI_PROFILE_SAQ_TEMPLATE_DELETED	PCI Group saq template deleted
PCI_PROFILE_SAQ_TEMPLATE_DELETED_PENDING	PCI Group saq template deleted - Pending Approval
PCI_PROFILE_SAQ_TEMPLATE_MODIFIED	PCI Group saq template modified
PCI_PROFILE_SAQ_TEMPLATE_MODIFIED_PENDING	PCI Group saq template modified - Pending Approval
PCI_PROFILE_SETTINGS_ADDED	PCI Group settings added
PCI_PROFILE_SETTINGS_ADDED_PENDING	PCI Group settings added - Pending Approval
PCI_PROFILE_SETTINGS_DELETED	PCI Group settings deleted
PCI_PROFILE_SETTINGS_DELETED_PENDING	PCI Group settings deleted - Pending Approval
PCI_PROFILE_SETTINGS_MODIFIED	PCI Group settings modified
PCI_PROFILE_SETTINGS_MODIFIED_PENDING	PCI Group settings modified - Pending Approval
PCI_PROFILE_SITE_ADDED	PCI Group site subscribed
PCI_PROFILE_SITE_ADDED_PENDING	PCI Group site added - Pending Approval
PCI_PROFILE_SITE_DELETED	PCI Group site unsubscribed

PCI_PROFILE_SITE_DELETED_PENDING	PCI Group site deleted - Pending Approval
PCI_PROFILE_SITE_MODIFIED	PCI Group site modified
PCI_PROFILE_SITE_MODIFIED_PENDING	PCI Group site modified - Pending Approval
PCI_PROFILE_TASK_ADDED	PCI Group task added
PCI_PROFILE_TASK_ADDED_PENDING	PCI Group task added - Pending Approval
PCI_PROFILE_TASK_DELETED	PCI Group task deleted
PCI_PROFILE_TASK_MODIFIED	PCI Group task modified
PCI_PROFILE_TASK_RECORD_ADDED	PCI Group task record added
PCI_PROFILE_TASK_RECORD_DELETED	PCI Group task record deleted
PCI_PROFILE_TASK_RECORD_MODIFIED	PCI Group task record modified
PCI_PROFILE_TASK_SCHEDULE_ADDED	PCI Group task schedule added
PCI_PROFILE_TASK_SCHEDULE_DELETED	PCI Group task schedule deleted
PCI_PROFILE_TASK_SCHEDULE_MODIFIED	PCI Group task schedule modified
PCI_SWITCH_OFF_EVENT	PCI DSS Template Service Disabled
PCI_SWITCH_ON_EVENT	PCI DSS Template Service Enabled
PCI_TEMPLATE_REVIEW_OVERDUE	PCI Template Review Overdue
PCI_TEMPLATE_REVIEWED	PCI Template Reviewed
PHONE_CHANGED	Phone Changed
PORTSCAN_THRESHOLD_CHANGE_EVENT	Portscan Threshold Change
POWER_PLUG_PHONE_ADDED	Smart plug phone number added
POWER_PLUG_PHONE_DELETED	Smart plug phone number deleted
POWER_PLUG_PHONE_MODIFIED	Smart plug phone number modified
PPP_CONFIG_CHANGE	Internet Configuration changed
PRE_APPROVED_CONTENT_CREATED	Pre-Approved Content Created
PRE_APPROVED_CONTENT_DELETED	Pre-Approved Content Deleted
PRE_APPROVED_CONTENT_MODIFIED	Pre-Approved Content Modified
PRIMARY_WAN_CONNECTION_CHANGE	Primary WAN connection changed

QOS_CHANGE	QoS Changed
REBOOT_REQUEST	Reboot Request
REMOTE_SYSLOG_SETTINGS_CHANGED	Remote Syslog Settings Changed
REPORT_CUSTOMIZATION	Report Customization
ROUTING_RULE_ADDED	Routing rule added
ROUTING_RULE_DELETED	Routing rule deleted
ROUTING_RULE_MODIFIED	Routing rule modified
ROUTING_RULE_MOVED	Routing rule moved
SAQ_CREATED	SAQ created
SAQ_DELETED	SAQ deleted
SAQ EMAILED	SAQ emailed
SAQ_GROUP_CREATED	SAQ Group created
SAQ_GROUP_DELETED	SAQ Group deleted
SAQ_GROUP_MODIFIED	SAQ Group modified
SAQ_MODIFIED	SAQ modified
SAQ_SUBMITTED	SAQ submitted
SAQ_TEMPLATE_CREATED	SAQ Template created
SAQ_TEMPLATE_DELETED	SAQ Template deleted
SAQ_TEMPLATE_MODIFIED	SAQ Template modified
SERVICE_GROUP_CHANGE_APPROVED	Service Group change approved
SERVICE_GROUP_CHANGE_REJECTED	Service Group change rejected
SERVICE_GROUP_CREATED	Service Group created
SERVICE_GROUP_DELETED	Service Group deleted
SERVICE_GROUP_ENTRY_ADDED	Service Group entry created
SERVICE_GROUP_ENTRY_ADDED_PENDING	Service Group Entry added - Pending Review
SERVICE_GROUP_ENTRY_DELETED	Service Group entry deleted
SERVICE_GROUP_ENTRY_DELETED_PENDING	Service Group Entry deleted - Pending Review
SERVICE_GROUP_ENTRY_MODIFIED	Service Group entry edited

SERVICE_GROUP_ENTRY_MODIFIED_PENDING	Service Group Entry modified - Pending Review
SERVICE_GROUP_MODIFIED	Service Group edited
SERVICE_GROUP_REVIEW_OVERDUE	Service Group Review Overdue
SERVICE_GROUP_REVIEWED	Service Group Reviewed
SFP_CONFIG_CHANGE	SFP Configuration changed
SITE_ADDED_TO_SPEED_TEST_GROUP	Site added to Speed test group
SITE_REMOVED_FROM_SPEED_TEST_GROUP	Site removed from Speed test group
SNMP_CONFIG_MODIFIED	SNMP Config Modified
SOFTWARE_PROFILE_CREATED	Firmware Profile created
SOFTWARE_PROFILE_DELETED	Firmware Profile deleted
SOFTWARE_PROFILE_MODIFIED	Firmware Profile modified
SP_ADDED	Service Provided Added
SP_DELETED	Service Provider Deleted
SP_VPN_ACCESS_GRANTED	Service Provider VPN Access Granted
SP_VPN_ACCESS_REVOKED	Service Provider VPN Access Revoked
SPEED_TEST_GROUP_CREATED	Speed Test Group Created
SPEED_TEST_GROUP_DELETED	Speed Test Group Deleted
SPEED_TEST_GROUP_MODIFIED	Speed Test Group Modified
SPEED_TEST_SERVER_CONFIG_CREATED	Speed Test Server Config Created
SPEED_TEST_SERVER_CONFIG_DELETED	Speed Test Server Config Deleted
SPEED_TEST_SERVER_CONFIG_MODIFIED	Speed Test Server Config Modified
STATIC_ROUTE_ADDED	Static Route Added
STATIC_ROUTE_DELETED	Static Route Deleted
STATIC_ROUTE_MODIFIED	Static Route Modified
STP_CONFIG_CREATED	STP Config Created
STP_CONFIG_MODIFIED	STP Config Modified
SWITCH_CONFIG_CREATED	Switch Config Created

SWITCH_CONFIG_MODIFIED	Switch Config Modified
SWITCH_MAC_FILTERING_ADDRESS_CREATED	MAC Filtering Address Created
SWITCH_MAC_FILTERING_ADDRESS_DELETED	MAC Filtering Address Deleted
SWITCH_MAC_FILTERING_ADDRESS_MODIFIED	MAC Filtering Address Modified
SWITCH_PORT_PROFILE_CREATED	Switch Port Profile Created
SWITCH_PORT_PROFILE_DELETED	Switch Port Profile Deleted
SWITCH_PORT_PROFILE_MAC_FILTERING_CREATED	MAC Group Created
SWITCH_PORT_PROFILE_MAC_FILTERING_DELETED	MAC Group Deleted
SWITCH_PORT_PROFILE_MAC_FILTERING_MODIFIED	MAC Group Modified
SWITCH_PORT_PROFILE_MODIFIED	Switch Port Profile Modified
SWITCH_PROFILE_ALLOCATED	Switch Profile added to mako
SWITCH_PROFILE_CREATED	Switch Profile Created
SWITCH_PROFILE_DEALLOCATED	Switch Profile removed from mako
SWITCH_PROFILE_DELETED	Switch Profile Deleted
SWITCH_PROFILE_MODIFIED	Switch Profile Modified
SWITCH_SNMP_CONFIG_CREATED	SNMP Config Created
SWITCH_SNMP_CONFIG_MODIFIED	SNMP Config Modified
TEMP_ALERT_THRESHOLD_CHANGE	Temperature Alert Threshold changed
THRESHOLD_SETTINGS_MODIFIED	Threshold Settings Modified
TWO_FACTOR_SETTINGS_CHANGED	Multi-Factor Settings Changed
USB_CONFIG_DOWNLOADED	USB Key Configuration Downloaded
USERNAME_CHANGED	Username Changed
VLAN_CONFIG_CHANGE	VLAN Configuration changed
VOIP_CONFIG_CREATED	VoIP Config Created
VOIP_CONFIG_MODIFIED	VoIP Config Modified
VPN_CLOUD_POOL_MEMBERSHIP_CREATED	VPN Cloud Pool membership created
VPN_CLOUD_POOL_MEMBERSHIP_DELETED	VPN Cloud Pool membership deleted
VPN_CLOUD_POOL_MEMBERSHIP_MODIFIED	VPN Cloud Pool membership modified

VPN_CONNECTION_THRESHOLD_ALERT_CHANGE	VPN Connections threshold alert changed
WAN_CONFIG_CHANGE	WAN Configuration changed
WLAN_CONFIG_CHANGE	WLAN Configuration changed
WORM_THRESHOLD_CHANGE_EVENT	Worm Detection Threshold Change