

# OIE Publish Asset Configuration Change

This Event is published to notify receiving system(s) that a serialized asset has been successfully installed at or removed from its functional location.

## Specific Data Content

The data sent from the source system is, at a minimum, composed of:

- The functional location
- The serialized asset
- The timestamp of when the installation or removal occurred

**NOTE** The start and end timestamps indicate when the event started or ended - if both are provided, their difference indicates the duration of the installation or removal process

In addition, the following data can be sent for context:

- The agent (person/intelligent system) who performed/detected the installation or removal
- The calendared maintenance work order associated with the installation or removal

## Data Processing

This Event is publishing asset configuration updates data and does not require any data processing by the receiving systems. The recipient system may either record the information for asset tracking purposes or further trigger an Event to perform some action.

## Expected Response

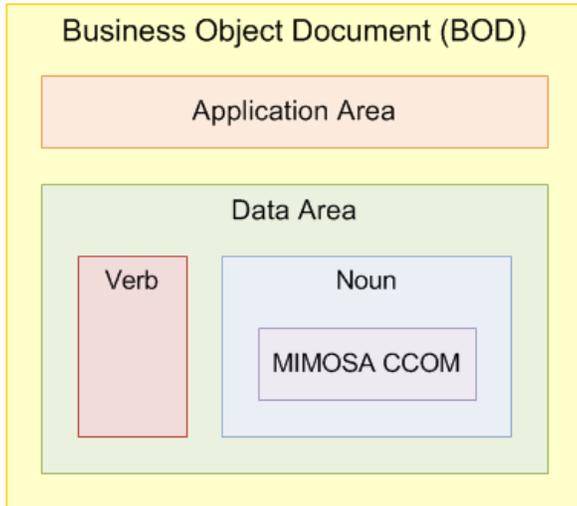
No response is expected.

## Reference Implementation

The Asset Configuration Change data can be published in various ways. The following is the list of current reference implementation(s) available:

1. CCOM BOD: SyncAssetSegmentEvents

**NOTE** Business Object Document (BOD) message structure is used to provide additional message concepts that encapsulate a MIMOSA CCOM payload. BODs indicate both behavior and structure for messages and the major components of a BOD are depicted below.



## Example

An example reference implementation of the Publish Asset Configuration Change event using SyncAssetSegmentEvents CCOM BOD is provided below.

```

<?xml version="1.0" encoding="utf-8" ?>
<SyncAssetSegmentEvents xmlns:oa="http://www.openapplications.org/oagis/9"
  xmlns="http://www.mimosa.org/ccom4"
  releaseID="1.2.1" versionID="4.1.0">
  <oa:ApplicationArea>
    <oa:Sender>
      <oa:LogicalID>3939cddb-fba2-4e77-bdd7-ac0cae069741</oa:LogicalID>
    </oa:Sender>
    <oa:CreationDateTime>2019-10-01T03:13:09Z</oa:CreationDateTime>
    <oa:BODID>56f60441-cc4c-4fc2-9524-0df921187974</oa:BODID>
  </oa:ApplicationArea>
  <DataArea>
    <oa:Sync/>
    <AssetSegmentEvents>
      <Asset>
        <UUID>df3cb180-e410-11de-8a39-0800200c9a66</UUID>
        <ShortName>3Z84G32AA0-4 AC Induction Motor</ShortName>
        <RegistrationSite>
          <UUID>833d1881-80df-4fcc-be80-bbc5f2395e58</UUID>
          <ShortName>Juneora</ShortName>
        </RegistrationSite>
      </Asset>
      <Segment>
        <UUID>3f8f5618-3ee7-4c30-afe9-0f80e24d4f45</UUID>
        <ShortName>MTR-101</ShortName>
        <RegistrationSite>
          <UUID>833d1881-80df-4fcc-be80-bbc5f2395e58</UUID>
          <ShortName>Juneora</ShortName>
        </RegistrationSite>
      </Segment>
    </AssetSegmentEvent>
  
```

```

<UUID>76238289-57a9-4ef5-888f-ea131b46dd60</UUID>
<Type>
  <UUID>ecc99353-412b-4995-bd71-1cbc6fc16c7c</UUID>
  <ShortName>Installation of Asset on Segment</ShortName>
</Type>
<End>2019-10-01T13:21:00Z</End>
<Asset>
  <UUID>df3cb180-e410-11de-8a39-0800200c9a66</UUID>
  <ShortName>3Z84G32AA0-4 AC Induction Motor</ShortName>
</Asset>
<Segment>
  <UUID>3f8f5618-3ee7-4c30-afe9-0f80e24d4f45</UUID>
  <ShortName>MTR-101</ShortName>
</Segment>
</AssetSegmentEvent>
</AssetSegmentEvents>
</DataArea>
</SyncAssetSegmentEvents>

```

## Version Applicability/Alignment

Events describe individual message exchanges between systems detailing data and processing requirements and, hence, they are aligned to specific versions of CCOM and/or other MIMOSA standards. For example, older versions of CCOM may not include the specific data elements required by newer Events, while older Events may become obsolete or have their data requirements change over time.

This Event is applicable to the following versions of CCOM:

- CCOM 3.x (part of OSA-EAI 3.x)
- CCOM 4.x

NOTE Use of 'x' in the version number indicates a variable version. For example, "4.x" indicates applicability to all versions of CCOM with the MAJOR version '4', regardless of MINOR and PATCH versions.

## Document Versioning

Version	Date	Major Changes
1.2	2020-06-02	Updated to new template
1.1	2019-10-02	Updated to new use Case Architecture