

# OIE Publish Product Model Data Updates

This Event is the publishing of product model data (OEM or supplementary) to provide interested systems, the incremental changes made to product model(s).

## Specific Data Content

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

- The model(s)
- Optionally, the changed or additional model properties
- Optionally, the changed or additional model datasheets

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

- The manufacturer of the model

## Data Processing

This Event is publishing information about models and does not require any data processing by the receiving systems. The recipient system may either just record the information or further trigger an Event to perform some action.

## Expected Response

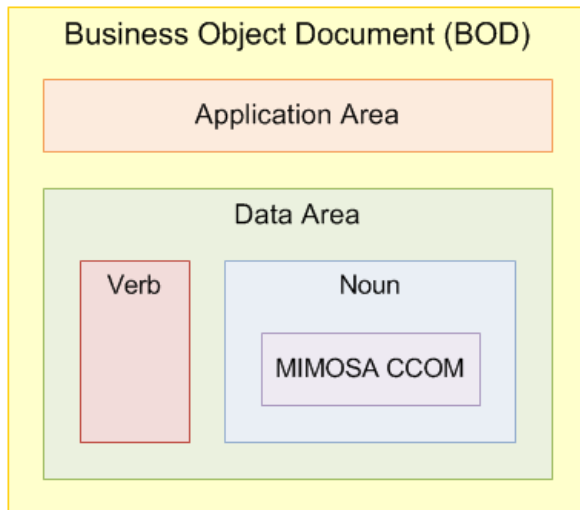
No response is expected.

## Reference Implementation

The models data can be published in many ways. The following is the list of current reference implementation(s) available:

1. Using SyncModels CCOM BOD

**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 of reference implementation of the publish model(s) data using SyncModels CCOM BOD is provided below.

```

<?xml version="1.0"?>
<SyncModels languageCode="EN" releaseID="4.1.0"
  xmlns="http://www.mimosa.org/ccom4"
  xmlns:oa="http://www.openapplications.org/oagis/9"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <oa:ApplicationArea>
    <oa:Sender>
      <oa:LogicalID>97186e9c-412f-4c4e-a198-7b03e8062884</oa:LogicalID>
    </oa:Sender>
    <oa:CreationDateTime>2019-09-22T04:21:21Z</oa:CreationDateTime>
    <oa:BODID>b34a1ebe-574b-44a9-9734-234a0fa4bbd2</oa:BODID>
  </oa:ApplicationArea>
  <DataArea>
    <oa:Sync />
    <Models>
      <Manufacturer>
        <UUID>511c35e0-6ba3-0136-cb17-22000a8abbb4</UUID>
        <IDInInfoSource>511c35e0-6ba3-0136-cb17-22000a8abbb4</IDInInfoSource>
        <InfoSource>
          <UUID>ed6d5641-6b8a-0136-0c11-22000a8abbb4</UUID>
          <ShortName>Interop Register</ShortName>
        </InfoSource>
        <EffectiveStatusType>
          <UUID>db4bf287-2374-4e9c-bd4b-fadaada24b99</UUID>
          <ShortName>Active</ShortName>
        </EffectiveStatusType>
        <ShortName>Yokogawa</ShortName>
      </Manufacturer>
      <Model>
        <UUID>2d17f748-c7b1-4e83-83ae-7299733456b7</UUID>
        <IDInInfoSource>2d17f748-c7b1-4e83-83ae-7299733456b7</IDInInfoSource>
      </Model>
    </Models>
  </DataArea>
</SyncModels>
  
```

```

<InfoSource>
  <UUID>ed6d5641-6b8a-0136-0c11-22000a8abbb4</UUID>
  <ShortName>Interop Register</ShortName>
</InfoSource>
<EffectiveStatusType>
  <UUID>db4bf287-2374-4e9c-bd4b-fadaada24b99</UUID>
  <ShortName>Active</ShortName>
</EffectiveStatusType>
<PropertySetForEntity>
  <UUID>e8f0c570-6ba3-0136-cb17-22000a8abbb4</UUID>
  <PropertySet>
    <UUID>b6f73120-6ba3-0136-cb17-22000a8abbb4</UUID>
    <IDInInfoSource>b6f73120-6ba3-0136-cb17-22000a8abbb4</IDInInfoSource>
    <InfoSource>
      <UUID>ed6d5641-6b8a-0136-0c11-22000a8abbb4</UUID>
      <ShortName>Interop Register</ShortName>
    </InfoSource>
    <EffectiveStatusType>
      <UUID>db4bf287-2374-4e9c-bd4b-fadaada24b99</UUID>
      <ShortName>Active</ShortName>
    </EffectiveStatusType>
    <ShortName>PS for EJX110A</ShortName>
    <Type>
      <UUID>c565d2e0-4183-0134-2e99-22000b1e87f7</UUID>
      <ShortName>ISDD</ShortName>
    </Type>
    <Definition>
      <UUID>4a233000-6b93-0136-8135-22000a8abbb4</UUID>
      <ShortName>ISA 20P2301 Rev 0</ShortName>
    </Definition>
    <Group>
      <UUID>e9fe16c0-6ba3-0136-cb17-22000a8abbb4</UUID>
      <IDInInfoSource>Line no 12-25</IDInInfoSource>
      <InfoSource>
        <UUID>4beaa980-6b93-0136-8135-22000a8abbb4</UUID>
        <ShortName>ISA 20P2301 Rev 0</ShortName>
      </InfoSource>
      <EffectiveStatusType>
        <UUID>db4bf287-2374-4e9c-bd4b-fadaada24b99</UUID>
        <ShortName>Active</ShortName>
      </EffectiveStatusType>
      <ShortName>TRANSMITTER BODY</ShortName>
      <Order>1</Order>
      <SetAttribute>
        <UUID>ea1cc250-6ba3-0136-cb17-22000a8abbb4</UUID>
        <EffectiveStatusType>
          <UUID>db4bf287-2374-4e9c-bd4b-fadaada24b99</UUID>
          <ShortName>Active</ShortName>
        </EffectiveStatusType>
        <ShortName>Process conn nominal size</ShortName>
        <Type>
          <UUID>4cb79680-6b93-0136-8135-22000a8abbb4</UUID>
          <ShortName>Process conn nominal size</ShortName>
        </Type>
        <Order>2</Order>

```

```

        <ValueIsValidInDefinition>true</ValueIsValidInDefinition>
      </SetAttribute>
    </Group>
  </PropertySet>
</PropertySetForEntity>
<ShortName>Great Parts Z400-A1</ShortName>
<Type>
  <UUID>81661803-b73d-46d1-85d5-742a585fb5fa</UUID>
  <ShortName>Undetermined</ShortName>
</Type>
</Model>
</Models>
</DataArea>
</SyncModels>

```

NOTE For versions of MIMOSA CCOM prior to 4.1, the types referring to 'Property' use the term 'Attribute' instead.

## 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 4.x

NOTE This Event was introduced in its more complete form after the release of CCOM 4.x series, which was designed, in part, to support the ISDDs and, hence, is not compatible with the CCOM 3.x series.

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
1.0	2020-12-12	Created as per OIIE use case architecture and updated OpenO&M template