

# OIE Publish Work Request Data

This Event is published to provide the information about work requests with the receiving system(s).

## Specific Data Content

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

- The work request(s)

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

- The functional location, asset, or list of resources on which the work is requested
- The agent(s) who requested to perform the work and their role
- The work order and/or completed work record that the work request generated and eventually resulted in, respectively
- The solution package indicated for use with the work request (if any)
- The engineering study entry related to the work request (if any)

## Data Processing

This Event is publishing updates on work requests 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

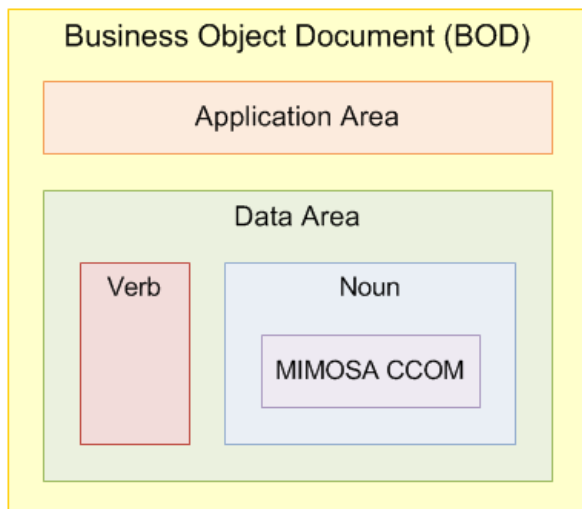
No response is expected.

## Reference Implementation

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

1. Using SyncWorkRequests 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 work requests data Event using SyncWorkRequests CCOM BOD is provided below.

```

<?xml version="1.0"?>
<SyncWorkRequests 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>fc3899f0-9703-0137-e25d-22000a6f90e2</oa:LogicalID>
    </oa:Sender>
    <oa:CreationDateTime>2019-09-13T04:21:21Z</oa:CreationDateTime>
    <oa:BODID>2e41fa38-09b9-4afa-b97f-ea9a7e140872</oa:BODID>
  </oa:ApplicationArea>
  <DataArea>
    <oa:Sync/>
    <WorkRequests>
      <WorkRequest>
        <UUID>a7f65b93-810b-437f-9f44-2c6189e623fb</UUID>
        <ShortName>Work Request Name</ShortName>
        <PriorityLevelType>
          <UUID>bb72ef71-d560-4a78-afc7-aedbf4d1a4f</UUID>
          <ShortName>Highest Priority Level</ShortName>
          <PriorityScale>100</PriorityScale>
        </PriorityLevelType>
        <WorkManagementType>
          <UUID>cdc33a36-5f93-4f4c-a467-b4a78ff75578</UUID>
          <ShortName>Maintenance, Preventive</ShortName>
        </WorkManagementType>
        <WorkTaskType>
          <UUID>760c2b2b-dc3e-4e40-89c6-a346f6029276</UUID>
          <ShortName>Replace</ShortName>
        </WorkTaskType>
      </WorkRequest>
    </WorkRequests>
  </DataArea>
</SyncWorkRequests>
  
```

```

<StartBefore>2019-06-03T11:20:00</StartBefore>
<EndBefore>2019-06-04T09:30:00</EndBefore>
<ActualStart>2019-06-03T11:20:00</ActualStart>
<ActualEnd>2019-06-04T09:30:00</ActualEnd>
<Asset>
  <UUID>242fac5c-e411-45a4-8888-9099b3c45cdb</UUID>
  <ShortName>Cooling Fan Motor 68987-A</ShortName>
</Asset>
<WorkStatus>
  <UUID>b6732f60-9051-4f4a-9d4d-b603a8963238</UUID>
  <ShortName>Request for work converted to work request</ShortName>
  <Type>
    <UUID>3a7c4682-ca5c-4ae8-bf7f-f05cad877639</UUID>
    <ShortName>Converted</ShortName>
  </Type>
</WorkStatus>
<WorkOrder>
  <UUID>28ead040-1f02-4654-b3c8-693d8ebe469f</UUID>
  <ShortName>Work Order Name</ShortName>
</WorkOrder>
</WorkRequest>
</ WorkRequests>
</DataArea>
</SyncAssets>

```

## 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
1.0	2020-06-25	Created as per OIIE use case architecture and updated OpenO&M template