

# OIIE Pull Work Status Data

This Event is sending a query to request the status updates of work request(s) or work order(s) in progress and expects a reply containing the work status details.

## Specific Data Content

The data included in the request is, at a minimum, composed of:

- The work status details, such as work status name etc.
- The assessed date-times to get the work status updates for the specified value or range.

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

- The agent(s) who requested to perform the work and their role

## Data Processing

This Event is querying work status data and require that the recipient system processes the data received. The receiving system is expected to respond to the query by sending the details of the work status of a work request, work order or work step.

## Expected Response

The receiving system is expected to send the reply, at a minimum, composed of:

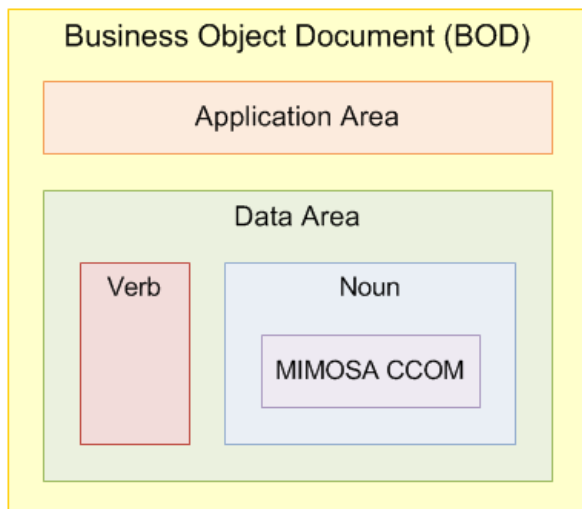
- The Work Status of a Work Request, Work Order, or Work Step

## Reference Implementation

The query to request work status data can be sent to the target system in many ways. Similarly, the response from the recipient system can be sent back to the source system in many ways. The following is the list of current reference implementation(s) available:

1. Using GetWorkStatus/ShowWorkStatus 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 pull work status Event using GetWorkStatuses CCOM BOD is provided below.

```

<?xml version="1.0"?>
<GetWorkStatus 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>2020-07-16T13:21:00Z</oa:CreationDateTime>
    <oa:BODID>99vb4811-2a62-4ea-8ab2-5372d744ed92</oa:BODID>
  </oa:ApplicationArea>
  <DataArea>
    <oa:Get>
      <oa:Expression>/*</oa:Expression>
    </oa:Get>
    <WorkStatusesCriteria>
      <ShortName>Work order put in process</ShortName>
    </WorkStatusesCriteria>
  </DataArea>
</GetWorkStatus>

```

An example of reference implementation of the response message using ShowWorkStatuses CCOM BOD is provided below.

```

<?xml version="1.0"?>
<ShowWorkStatuses 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>
  <LogicalID>78fec220-8bfb-0137-32bf-22000b499058</LogicalID>
</oa:Sender>
<oa:CreationDateTime>2020-08-16T15:21:00Z</oa:CreationDateTime>
<oa:BODID>az72be3e-84ab-47b1-85dc-8729e62e35f5</oa:BODID>
</oa:ApplicationArea>
<DataArea>
  <oa:Show/>
  <WorkStatus>
    <WorkStatus>
      <UUID>b6732f60-9051-4f4a-9d4d-b603a8963238</UUID>
      <ShortName>Work order put in process</ShortName>
      <Type>
        <UUID>e22b29f4-a3ab-408a-a5ee-b2a597bac1c6</UUID>
        <ShortName>Started</ShortName>
      </Type>
      <CalendaredWork xsi:type="WorkOrder">
        <UUID>28ead040-1f02-4654-b3c8-693d8ebe469f </UUID>
        <ShortName>Work Order Name</ShortName>
      </CalendaredWork>
    </WorkStatus>
  </WorkStatus>
</DataArea>
</ShowWorkStatuses>

```

## 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	2020-11-12	Created as per OIIE use case architecture and updated OpenO&M template