

PDO Request and Response Message Structure

The PDO request / response message structure is divided into three parts:

1. pdoheader
2. Request
3. Response

For the request message, the *<pdoheader>* and *<request>* sections are required, while for the response message, only the *<response>* section is required.

```

<i2b2:message_body>
<crc:pdoheader>
<request_type>GetPDOFromInputList_requestType</request_type>
...
</crc:pdoheader>
<crc:request>
...
</crc:request>
<crc:response>
...
</crc:response>
</i2b2:message_body>

```

Element Name	Description
pdoheader	<p>The header contains a <i><request_type></i> element, which will carry the operation name. Each operation name has a specific request / response combination.</p> <p>The following is a list of supported operation names:</p> <ul style="list-style-type: none"> • getPDO_fromInputList • get_observationfact_by_primary_key • get_patient_by_primary_key • get_event_by_primary_key • get_concept_by_primary_key • get_observer_by_primary_key
request	<p>The <i><request></i> is modeled as an object using a polymorphic approach. All operation specific request objects inherit a base RequestType object as shown in the object model diagram in the next section.</p>
response	<p>The <i><response></i> is also modeled as an object using a polymorphic approach. All operation specific response objects inherit a base PDOResponseType object containing a StatusType attribute as shown in the object model diagram in the next section.</p>