

performCalculation

Superseded Specifications	
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Version History

Version	Date	Status	Description	Updated By
0.1	30 Nov 2020	DRAFT	Initial proposal	Changes performed by Garrett, Michael
0.2	19 Mar 2021	DRAFT	Adding Error Response message	Rondon, Magali



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Summary

The performCalculation function will allow a BMS to trigger a calculation within the AudaNet platform. This is used to remove the need for the repairer to navigate to the AudaNet platform UI to trigger a calculation.

Applicable Quoting Methods

Quoting Method	AudaNet Quoting Method	AudaBridge Quoting Method
		

performCalculation

Request Parameters

Field Name	Field Type	Comments
*userId	String	
*password	String	
claimNumber	String	

displayName	String	
*generator	String	AXN
version	String	1

* denotes mandatory field.

Example Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="http://ws.axnbusiness.b2b.audatex.com">
  <soapenv:Header/>
  <soapenv:Body>
    <ws:performCalculationRequest>
      <ws:credential>
        <ws:userId>userid</ws:userId>
        <ws:password>password</ws:password>
      </ws:credential>
      <ws:claimNumber>ROclaim1706-2</ws:claimNumber>
      <ws:displayName>IAG003177</ws:displayName>
      <ws:versions>
        <ws:generator>AXN</ws:generator>
        <!--Optional:-->
        <ws:version></ws:version>
      </ws:versions>
    </ws:performCalculationRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ws:performCalculationResponse xmlns:ws="http://ws.axnbusiness.b2b.audatex.com">
      <ws:serviceResponse>
        <ws:Code>Service.OK</ws:Code>
        <ws:Severity>0</ws:Severity>
        <ws:Message>Operation completed successfully</ws:Message>
      </ws:serviceResponse>
      <ws:quoteBody>
        <ws:quoteStage>sup1</ws:quoteStage>
        <ws:quoteType>R</ws:quoteType>
        <ws:quotingMethodIndicator>H</ws:quotingMethodIndicator>
        <ws:labours>
          <ws:labour>
            <ws:quoteLineNumber>2</ws:quoteLineNumber>
            <ws:labourType>OTH</ws:labourType>
            <ws:labourDescription>ADD/TIME FOR MAIN WORK</ws:labourDescription>
            <ws:labourAmount>9.60</ws:labourAmount>
            <ws:labourHours>0.16</ws:labourHours>
            <ws:labourRate>60.00</ws:labourRate>
          </ws:labour>
          <ws:labour>
            <ws:quoteLineNumber>3</ws:quoteLineNumber>
            <ws:labourType>RR</ws:labourType>
            <ws:labourDescription>R + R ENGINE INCLUDES: R + R GEARBOX AND RADIATOR</ws:labourDescription>
            <ws:labourAmount>369.60</ws:labourAmount>
            <ws:labourHours>6.16</ws:labourHours>
            <ws:labourRate>60.00</ws:labourRate>
          </ws:labour>
          <ws:labour>
            <ws:quoteLineNumber>4</ws:quoteLineNumber>
            <ws:labourType>RR</ws:labourType>
          </ws:labour>
        </ws:labours>
      </ws:quoteBody>
    </ws:performCalculationResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        <ws:labourDescription>DISMANTLE/RE-ASSEMBLE ENGINE (WITH ENGINE REMOVED)</ws:
labourDescription>
        <ws:labourAmount>574.80</ws:labourAmount>
        <ws:labourHours>9.58</ws:labourHours>
        <ws:labourRate>60.00</ws:labourRate>
    </ws:labour>
    <ws:labour>
        <ws:quoteLineNumber>5</ws:quoteLineNumber>
        <ws:labourType>OTH</ws:labourType>
        <ws:labourDescription>REPLACE CRANKSHAFT (WITH ENGINE DISMANTLED)</ws:labourDescription>
        <ws:labourAmount>19.80</ws:labourAmount>
        <ws:labourHours>0.33</ws:labourHours>
        <ws:labourRate>60.00</ws:labourRate>
    </ws:labour>
    <ws:labour>
        <ws:quoteLineNumber>7</ws:quoteLineNumber>
        <ws:labourType>RR</ws:labourType>
        <ws:labourDescription>REPLACE FRONT GEARBOX HOUSING (WITH GEARBOX REMOVED)</ws:
labourDescription>
        <ws:labourAmount>249.60</ws:labourAmount>
        <ws:labourHours>4.16</ws:labourHours>
        <ws:labourRate>60.00</ws:labourRate>
    </ws:labour>
    <ws:labour>
        <ws:quoteLineNumber>9998</ws:quoteLineNumber>
        <ws:labourType>OTH</ws:labourType>
        <ws:labourDescription>Labor amount rounding delta</ws:labourDescription>
        <ws:labourAmount>-1223.40</ws:labourAmount>
        <ws:labourHours>1</ws:labourHours>
        <ws:labourRate>-1223.40</ws:labourRate>
    </ws:labour>
</ws:labours>
<ws:labourTotal>0.00</ws:labourTotal>
<ws:paints/>
<ws:paintTotal>0.00</ws:paintTotal>
<ws:audaNetParts>
    <ws:part>
        <ws:quoteLineNumber>1</ws:quoteLineNumber>
        <ws:partType>NEW</ws:partType>
        <ws:partNumber>11 21 7 516 040</ws:partNumber>
        <ws:partDescription>CRANKSHAFT W/BRG EXC</ws:partDescription>
        <ws:partQuantity>1</ws:partQuantity>
        <ws:partUnitPrice>3220.93</ws:partUnitPrice>
        <ws:partAmount>3220.93</ws:partAmount>
        <ws:partSupplier/>
    </ws:part>
    <ws:part>
        <ws:quoteLineNumber>6</ws:quoteLineNumber>
        <ws:partType>NEW</ws:partType>
        <ws:partNumber>23 11 7 543 536</ws:partNumber>
        <ws:partDescription>GEARBOX HOUSING</ws:partDescription>
        <ws:partQuantity>1</ws:partQuantity>
        <ws:partUnitPrice>0.00</ws:partUnitPrice>
        <ws:partAmount>0.00</ws:partAmount>
        <ws:partSupplier/>
    </ws:part>
</ws:audaNetParts>
<ws:nonAudaNetParts/>
<ws:partTotal>3220.93</ws:partTotal>
<ws:partMarkUpTotal>0</ws:partMarkUpTotal>
<ws:gst>322.09</ws:gst>
<ws:discount>0.00</ws:discount>
<ws:quoteTotal>3543.02</ws:quoteTotal>
<ws:calculationId>1620903559425</ws:calculationId>
<ws:calculationStatus>Unknown</ws:calculationStatus>
</ws:quoteBody>
</ws:performCalculationResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Example Response - Task not found

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:performCalculationResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Task.Not.Found.Claim</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>No task was found with the claim number and display name specified</ns1:Message>
      </ns1:serviceResponse>
    </ns1:performCalculationResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response - Authentication Failed

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:performCalculationResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Authentication.Failed</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>Authentication failed, please provide the correct username/password</ns1:Message>
      </ns1:serviceResponse>
    </ns1:performCalculationResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response - Perform Calculation Locked Message.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:performCalculationResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Claim.Is.Locked</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>Claim is locked</ns1:Message>
      </ns1:serviceResponse>
    </ns1:performCalculationResponse>
  </soapenv:Body>
</soapenv:Envelope>
```