

downloadInvoice

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0.1	30 Nov 2020	DRAFT	Initial proposal	Changes performed by Garrett, Michael

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Summary

The downloadInvoice request allows a BMS to download specific invoice which has been generated within the AudaNet platform.

When the platform receives this request, it validates the credentials, the claim and the invoice identification.

- If credentials are incorrect and Authentication fail message response is send.
- For identifying a claim can be used Display Name + Claim Number or QuoteRequestNumber +QuoteRequestVersionNumber; either one. If one of the fields are not included in the message, e.g. included Display Name and not include Claim Number, a Missing Mandatory Field response is sent. (example below)
- InvoiceId is mandatory.
 - If an Invoice is not found an INVOICE.NOT.FOUND response message is send.
- If the request message includes a value for the Invoice Number tag, the identification of the invoice must be done considering Invoice ID + Invoice Number.
 - If there is no matching, an INVOICE.NOT.FOUND response message must be send. (example below)

The response message will contain the details of the invoice. (details are explained below).



Invoices are automatically generated by the platform as a result of a calculation being marked as 'Approved' by the insurer.

Invoices within the AudaNet platform do not support the ability of being altered after a quote is authorised. If an adjustment is required to an invoice, the repairer must start a supplementary within the system and have it reviewed and re-authorised by the insurer. Once re-authorised by the insurer, a new invoice will be generated by the system with the additional costs on the new invoice.

Applicable Quoting Methods

Quoting Method	AudaNet Quoting Method	AudaBridge Quoting Method
	✔	✔

downloadInvoice

Request Parameters

Field Name	Field Type	Comments
*userId	String	
*password	String	
claimNumber	String	If used, delete quoteRequestNumber and quoteRequestVersionNumber fields
displayName	String	if used, delete quoteRequestNumber and quoteRequestVersionNumber fields
quoteRequestNumber	String	if used, delete claimNumber and displayName fields
quoteRequestVersionNumber	String	if used, delete claimNumber and displayName fields
*generator	String	AXN (Deprecated functionality - value has no influence on response data)
version	String	1 (Deprecated functionality - value has no influence on response data)
*invoiceId	string	
invoiceNumber	String	

* denotes mandatory field.

Invoices Statuses

invoiceStatus	Explanation	Invoice State
Draft	Upon authorisation of a quote, a Draft invoice will be generated as is Unlocked to allow repairer to populate mandatory invoice information.	Unlocked
InvoiceApprovedForPayment	Upon submission of the invoice, the invoice will be automatically marked as InvoiceApprovedForPayment .	Locked
Rejected	Invoice has been Rejected due to a new invoice being generated as a result of a supplementary quote becoming authorised. Note: Upon a supplementary quote becoming authorised and the main quote invoice not being submitted, the new Draft invoice which is generated contains both the main quote and supplementary costs.	Locked
InvoicePaid	Claim has been closed with a reason of "Invoice Paid". All Approved for Payment invoices will as a result be marked as InvoicePaid	Locked
InvoiceRemoved	Upon starting a supplementary within the system or the insurer has cancelled the authority, the invoice will be marked as InvoiceRemoved.	Locked

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:downloadInvoiceRequest>
      <ws:credential>
        <ws:userId>userId</ws:userId>
        <ws:password>password</ws:password>
      </ws:credential>
      <ws:claimNumber>1860105928</ws:claimNumber>
      <ws:displayName>ALZ013962</ws:displayName><ws:versions>
        <ws:generator>AXN</ws:generator>
      </ws:versions>
      <ws:invoiceId>21423291649593670</ws:invoiceId>
    </ws:downloadInvoiceRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

Example Response

```

<?xml version="1.0" encoding="UTF-8"?>
<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:downloadInvoiceResponse 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:invoiceBody>
        <ws:quoteNumber>ABC1234</ws:quoteNumber>
        <ws:dateIn>2020-01-01</ws:dateIn>
        <ws:dateOut>2020-01-05</ws:dateOut>
        <ws:invoiceNumber>INV10218</ws:invoiceNumber>
        <ws:audaNetParts>
          <ws:part>
            <ws:quoteLineNumber>1</ws:quoteLineNumber>
            <ws:partType>NEW</ws:partType>
            <ws:partNumber>82A 807 065 GRU</ws:partNumber>
            <ws:partDescription>FRONT BUMPER COVER</ws:partDescription>
            <ws:partQuantity>1</ws:partQuantity>
            <ws:partUnitPrice>1220.00</ws:partUnitPrice>
            <ws:partAmount>1220.00</ws:partAmount>
            <ws:partSupplier />
          </ws:part>
          <ws:part>
            <ws:quoteLineNumber>2</ws:quoteLineNumber>
            <ws:partType>NEW</ws:partType>
            <ws:partNumber>82A 941 003 A</ws:partNumber>
            <ws:partDescription>LEFT HEADLAMP ASSY</ws:partDescription>
            <ws:partQuantity>1</ws:partQuantity>
            <ws:partUnitPrice>0.00</ws:partUnitPrice>
            <ws:partAmount>0.00</ws:partAmount>
            <ws:partSupplier />
          </ws:part>
          <ws:part>
            <ws:quoteLineNumber>3</ws:quoteLineNumber>
            <ws:partType>NEW</ws:partType>
            <ws:partNumber>82A 941 004 A</ws:partNumber>
            <ws:partDescription>RIGHT HEADLAMP ASSY</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:invoiceBody>
    </ws:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

```

        <ws:quoteLineNumber>4</ws:quoteLineNumber>
        <ws:partType>NEW</ws:partType>
        <ws:partNumber>82A 805 588 A</ws:partNumber>
        <ws:partDescription>FRT LOCK CARRIER</ws:partDescription>
        <ws:partQuantity>1</ws:partQuantity>
        <ws:partUnitPrice>1063.00</ws:partUnitPrice>
        <ws:partAmount>1063.00</ws:partAmount>
        <ws:partSupplier />
    </ws:part>
    <ws:part>
        <ws:quoteLineNumber>9997</ws:quoteLineNumber>
        <ws:partType>NEW</ws:partType>
        <ws:partNumber />
        <ws:partDescription>Sundry parts</ws:partDescription>
        <ws:partQuantity>1</ws:partQuantity>
        <ws:partUnitPrice>674.9</ws:partUnitPrice>
        <ws:partAmount>684.9</ws:partAmount>
    </ws:part>
</ws:audaNetParts>
<ws:nonAudaNetParts>
    <ws:quoteLineNumber>1000</ws:quoteLineNumber>
    <ws:partType>NEW</ws:partType>
    <ws:partNumber />
    <ws:partDescription>STICKERS</ws:partDescription>
    <ws:partQuantity>1</ws:partQuantity>
    <ws:partUnitPrice>10.00</ws:partUnitPrice>
    <ws:partAmount>10.00</ws:partAmount>
</ws:nonAudaNetParts>
<ws:partTotal>2967.90</ws:partTotal>
<ws:labourTotal>356.60</ws:labourTotal>
<ws:paintTotal>630.69</ws:paintTotal>
<ws:subletTotal>150</ws:subletTotal>
<ws:gst>410.52</ws:gst>
<ws:discount>0.00</ws:discount>
<ws:totalPayable>4515.71</ws:totalPayable>
<ws:excess>0.00</ws:excess>
<ws:ownerContribution>0.00</ws:ownerContribution>
<ws:calculationId>1607395990655</ws:calculationId>
<ws:calculationStatus>Approved</ws:calculationStatus>
<ws:invoiceStatus>Draft</ws:invoiceStatus>
</ws:invoiceBody>
</ws:downloadInvoiceResponse>
</soapenv:Body>
</soapenv:Envelope>

```

Example Response - Authentication Exception

```

<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:downloadInvoiceResponse 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:downloadInvoiceResponse>
    </soapenv:Body>
</soapenv:Envelope>

```

Example Response - Not found the claim

```
<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:downloadInvoiceResponse 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:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response - Invoice 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:downloadInvoiceResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Invoice.Not.Found</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>No invoice was found with the invoiceId specified</ns1:Message>
      </ns1:serviceResponse>
    </ns1:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response - Invoice not found (id+number)

```
<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:downloadInvoiceResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Invoice.Not.Found</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>No invoice was found with the invoiceId and invoiceNumber specified</ns1:Message>
      </ns1:serviceResponse>
    </ns1:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Example Response - Mandatory field missing

```

<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:downloadInvoiceResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.
axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Mandatory.Fields.Missing</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>Either quoteRequestNumber + quoteRequestVersionNumber or claimNumber + displayName
have to be specified as input</ns1:Message>
      </ns1:serviceResponse>
    </ns1:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

Example Response - Mandatory field missing - InvoiceID

```

<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:downloadInvoiceResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.
axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>Mandatory.Fields.Missing</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>InvoiceId has to be specified as input</ns1:Message>
      </ns1:serviceResponse>
    </ns1:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

Example Response - Disable DownloadInvoice

```

<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:downloadInvoiceResponse xmlns="http://ws.axnbusiness.b2b.audatex.com" xmlns:ns1="http://ws.
axnbusiness.b2b.audatex.com">
      <ns1:serviceResponse>
        <ns1:Code>DownloadInvoice.Disabled</ns1:Code>
        <ns1:Severity>2</ns1:Severity>
        <ns1:Message>Download invoice operation is disabled</ns1:Message>
      </ns1:serviceResponse>
    </ns1:downloadInvoiceResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

Response Explanation

Response Parameter	Description
invoiceBody	
audaNet Parts	Parts which are added to a quote using the AudaNet Damage Capture tool via the graphics interface will be separated from parts which are added via a Non-standard position (NSP).
quote Line Number	AudaNet generated quote line number linked to specific line item in quote. This is identical to the quoteLineNumber for the line items in the downloadQuote response.

	partType	Describes the type of part which has been specified for the specific part. Possible values <ul style="list-style-type: none"> NEW = OEM = NEW ALTN = Alternative Parts / Parallel AFT = Aftermarket EXCH = Exchange RECY = Recycled CAFT = Certified Aftermarket AFTA = Aftermarket Accessories
	partNumber	Describes the part number for the specific part
	partDescription	Line item description
	partQuantity	Will always be 1
	partUnitPrice	Unit price of part
	partAmount	Total part price for specific part
	partSupplier	Supplier for the part
	nonAudaNetParts	All parts which have not been captured using the graphical representation of a vehicle in the AudaNet platform are represented in the downloadInvoice as nonAudaNetParts. These will additionally be referred to as "Non-Standard Positions" or "NSP". Additionally, all parts which are recorded for the AudaBridge Quoting Methods will always be returned as nonAudaNetParts.
	quoteLineNumber	AudaNet generated quote line number linked to specific line item in quote. This is identical to the quoteLineNumber for the line items in the downloadQuote response.
	partType	Refer to partType in audaNetParts element.
	partNumber	Refer to partNumber in audaNetParts element
	partDescription	Refer to partDescription in audaNetParts element. Note: Will always be prefixed with an asterisk (*)
	partQuantity	Refer to partQuantity in audaNetParts element
	partUnitPrice	Refer to partUnitPrice in audaNetParts element
	partAmount	Refer to partAmount in audaNetParts element
	partSupplier	Refer to partSupplier in audaNetParts element
	partTotal	Sum total of all line item partAmount values in the audaNetParts and nonAudaNetParts elements for the downloadInvoice response.
	labourTotal	Sum total of all labour line items for the invoiceId and calculationId
	paintTotal	Sum total of all paint line items for the invoiceId and calculationId
	subletTotal	Sum total of all sublet line items for the invoiceId and calculationId
	gst	Total GST for the invoiceId and calculationId
	discount	General discount applied to the quote. For some repairers there is a specific discount applied on the whole quote or some items in the quote. This field will include the sum of all discounts applied to the quote and it will be a dollar value. This discount will be passed as total value.
	totalPayable	Total Payable including GST for the invoiceId
	excess	Excess amount associated with the invoice.
	ownerContribution	Owner contribution associated to the invoice

	calculati onId	Unique ID generated by the AudaNet system corresponding to the calculation for the invoice which is downloaded.
	calculati onStatus	Describes the current calculation status (Approved, Disapproved etc)
	invoiceSt atus	Describes the current invoice status.