



Faxing Help Guides

TNZ Group Limited | sales@tnz.co.nz | +64 9 9293000 | +64 9 522 8839

Fax API – Receive Delivery Reports via SOAP

If you have used the TNZ Fax Service to deliver a fax, you can use SOAP to poll our web server for the delivery status/result.

Delivery Status Reports will contain the destination fax number, the status (whether successful or unsuccessful) and the result (verbose type of success/failure).

When submitting the initial fax, you need to provide a unique “reference” value to ensure you can track the delivery status/result.

Required fields/variables are: **sender, token, reference, action**

Parameter	Description	Example
sender	This is a SMTP email address that we use to authenticate the sender with an account. This value should either be the same “sender” that was used to initially send the fax, or it should be a “sender” that has rights to view the status.	<i>sender=faxapi@me.com</i>
token	This is a static string that we use to authenticate the sender as legitimate, similar to a password.	<i>token=abcde12345</i>
reference	This is the “reference” value that was used to submit the initial fax. This must match exactly to ensure we tie the correct reference to your request.	<i>reference=Test Job ABC123</i>
action	This is the type of SOAP Poll that you are performing, so that our server can respond with the appropriate action.	<i>action=CheckDestination</i>

There are three “action” values:

- 1) *action=CheckDestination*
- 2) *action=CheckJob*
- 3) *action=CheckDestinationCSV*

Option One: action=CheckDestination

This option will return individual details on the fax delivery for one particular number.

For jobs where a fax was delivered to a single target, this will return one result.

For jobs where a fax was delivered to multiple targets, this will return multiple results.

For jobs that have not yet completed, the following result will be returned: *"invalid reference: you have entered an invalid reference, or the job has not yet completed"*

Our server will respond to your poll with:

```
<![CDATA[<?xml version='1.0' encoding=UTF-8'?>
<JobDest>
<JobNum>Our internal job number</JobNum>
<DestSEQ>Our internal destination reference, unique per destination</DestSEQ>
<Destination>The target fax number</Destination>
<Type>The type of message ("Fax")</Type>
<SentDate>The date/time the fax was sent (this is the last attempt)</SentDate>
<Status>The job's status ("Success", "Failed", or "Pending")</Status>
<Result>The final delivery result (eg "Sent OK" or "Bad Number")</Result>
<Seconds>Number of Seconds overall</Seconds>
<PagesSent>Number of pages sent overall</PagesSent>
<Attempts>Number of attempts at sending the fax</Attempts>
<Custom1>Optional "Custom" value</Custom1>
<Custom2>Optional "Custom" value</Custom2>
<Custom3>Optional "Custom" value</Custom3>
<Custom4>Optional "Custom" value</Custom4>
</JobDest>]]>
```

See the attached "Fax Delivery Result Codes.xlsx" document for a complete list of Status and Result codes.

Option two: action=CheckJob

This option will return a job summary. This option is particularly useful for fax jobs that were delivered to multiple targets.

Our server will respond to your poll with:

```
<![CDATA[<?xml version='1.0' encoding=UTF-8'?>
<Job>
<JobNum>Our internal job number</JobNum>
<JobStatus>The jobs current status (“Transmit” or “Pending”)</JobStatus>
<Reference>The supplied Reference value</Reference>
<CountSuccess>The number of targets with a successful result </CountSuccess>
<CountFailed>The number of targets with a failure result</CountFailed>
<CountComplete>The number of targets completed </CountComplete>
<CreatedTime>The time the job was originally loaded into the system</CreatedTime>
<LastUpdatedTime>The last time the job’s results were updated</LastUpdatedTime>
</Job>]]>
```

See the attached “Fax Delivery Result Codes.xlsx” document for a complete list of Status and Result codes.

Option Three: **action=CheckDestinationCSV**

This option will return individual details on the fax delivery for one particular number in a CSV format.

For jobs where a fax was delivered to a single target, this will return one result.

For jobs where a fax was delivered to multiple targets, this will return multiple results.

For jobs that have not yet completed, the following result will be returned: *"invalid reference: you have entered an invalid reference, or the job has not yet completed"*

Our server will respond to your poll with:

```
<![CDATA[<?xml version='1.0' encoding=UTF-8'?>
<JobDestCSV>
<JobNum>Our internal job number</JobNum>
<CSVName>The attached CSV filename</CSVName>
<CSVData>The CSV's data in base64 encoded form</CSVData>
</JobDestCSV>]]>
```

The CSV will contain the following columns (matching Option One's results):

job-num,dest-seq,destination,type,sent-date,status,result,seconds,pages-sent,custom-1,custom-2,custom-3,custom-4

See the attached "Fax Delivery Result Codes.xlsx" document for a complete list of Status and Result codes.