



Integration of eBG Submitter Signed Document Submission API

V 1.0

API Integration Document

eBG Submitter Signed Document Submission API

Introduction:

API to facilitate Bank/NBFC to submit bank signed document or eBG event updation.

Request URL:

Below is the end point URL on which the data is to be submitted:

<https://stg.nesl.co.in/DDEeBGAddOnAPI/eBGeventUpdation/request>

There is a Basic Auth implementation in the API considering **userid:password** as an input to Basic Authentication. The **userid** and **password** will be same as DDE login credentials.

Request Parameters:

Below are the request parameters:

Sl No	Parameter Details	Parameter Name	Field Type	Mandatory	Description
1	Unique Transaction Id	transId	Alpha Numeric	N	Unique transaction Id
2	Loan Number	loanno	Alpha Numeric	Y	Loan number for which the eBG status is requested.
3	eBG Event	event	Alpha Numeric	Y	eBG event that needs to be updated.
4	Document Data	docData	Array	CM	Array of eBG documents. This field will not be mandatory for the events like Closure and Cancellation .
5	Document Value	docValue	Alpha Numeric	Y	Base 64 value of eBG document.

Encrypted Request JSON payload:

Bank/NBFC will encrypt the request json object using a 32-bit session key using AES algorithm with CBC mode and IV parameter of length 16 and the session key will be encrypted using RSA algorithm using NeSL public certificate.

Encrypted session key will be sent in API request as part of **sessionId** parameter and encrypted request json will be sent as part of **cipherText** parameter.

Bank/NBFC will then digitally sign the unencrypted request json object using their private certificate and append the digital signature in the API request.

```
{
  "sessionId" : "ghegjskjakjkJAKJaksdsdghjhg",
  "ciphertext" :
  "hdgydfryewtysYFAYSGYDFGDGSGAgashdegfgdgGuarogfjdzsyugiir
ur,
  "digisign" :
  "sdjgfkjsdfjwelhrowernsdfbsdkljfjasb2342asklfbsdklbfstdlfs
dl"
}
```

Unencrypted Request JSON payload:

```
{
  "transId" : "eBG_Iss_000022",
  "loanno" : "BG123",
  "event" : "Issuance",
  "docData" : [{
    "docValue" : "hfeahAIWYEFsaddghhjhfghgf"
  }]
}
```

Response Parameters:

Below are the response parameters:

Sl No	Parameter Details	Parameter Name	Field Type	Description
1	Unique Transaction Id	transId	Alpha Numeric	Unique transaction Id.
2	Loan Number	loanno	Alpha Numeric	Loan number for which the eBG status is requested.
3	Status code	statusCode	Alpha Numeric	Status code to determine success with 1 or the appropriate error code in case of error
4	Status message	statusMsg	Alpha	Status message to get the respective error message or Success

Response JSON payload:**Success response payload :**

```
{
  "transId" : "eBG_Iss_000022",
  "loanno" : "BG123",
  "statusCode" : "1",
  "statusMsg" : "Success",
  "digisign" :
  "sdjgfjksdfjwelhrowernsdfbsdkljfjasb2342asklfbsdklbfSDLfs
  dl"
}
```

Failure response:

```
{
  "transId" : "eBG_Iss_000022",
  "loanno" : "BG123",
  "statusCode" : "ER003",
  "statusMsg" : "Invalid input parameters.",
  "digisign" :
  "sdjgfjksdfjwelhrowernsdfbsdkljfjasb2342asklfbsdklbfSDLfs
  dl"
}
```

NeSL will then digitally sign the unencrypted response json object using NeSL private certificate and append the digital signature in the API response.

List of error codes:

Sl No	Error code	Error description
1	ER001	Not an Authorised user.
2	ER002	Missing input parameters.
3	ER003	Invalid input parameters.
4	ER004	No data found.
5	ER005	Invalid Digital Signature.
6	ER006	Unable to accept the request, since this eBG Reference number is already in {0} state.
7	ER007	Unable to accept the request, since the eBG document is still not executed.
8	ER008	Base64 is not in a proper format.
9	ER009	docData field will be mandatory for {0} event.

10	ER010	Unable to accept the request, since Invocation request is not yet received by Beneficiary for this eBG Reference number.
11	ER011	Unable to accept the request, since Invocation request is not yet received by Creditor for this eBG Reference number.
12	ER012	Unable to process the request
13	ER013	Unable to verify Signed pdf, since signature is not valid or signature is not available.
14	ER014	For all the Events of EBG first submission should be through DDE API
15	ER015	Unable to process the request, since the {0} is expired.