

## **Transfer SKN RTGS API**

### **Online REST – API Gateway Internal**

Version 1.1



**Bank Danamon**

## Document Information

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## Document Version Control

Version	Date	Author	Description
1.0	13/08/2024	Bank Danamon	First Release
1.1	18/02/2025	Bank Danamon	Delete field 'codOrgBrn', 'header', 'body' in request

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## General Specification

SIT URL : <https://10.197.36.21:8066/api/transaction/v2.0/common/transfer/sknrtgs>  
UAT URL : <https://api-internal-uat.danamon.co.id:8065/api/transaction/v2.0/common/transfer/sknrtgs>  
Production URL : <https://api-internal.danamon.co.id:8065/api/transaction/v2.0/common/transfer/sknrtgs>  
Protocol : HTTPS  
Method : POST  
Message Type : Webservice REST-JSON  
Security : API Key Security HTTPS  
Hash Type : HMAC\_SHA512/HMAC\_SHA256  
Authentication : API KEY

## Detail Specifications

### 1. Request Header

#### 1.1 Header Request Specifications

Field Name		Data Type	Format	Description	Sample	Remarks
Content-Type	M	String	Alphanumeric	Content of your request body	application/json	
BDI-Key	M	String (40)	Alphanumeric	API Key Provided by Internal API Gateway	962489e9-de5d-4eb7-92a4-b07d44d64bf4	
BDI-External-ID	M	String (36)	Alphanumeric	Reference number generated by Channel and must be unique	8255778561291540	
BDI-Timestamp	M	String	yyyy-MM-dd'T'HH:mm:ssXXX	Transaction date time. Time must be in GMT+7 (Jakarta time)	2023-12-19T11:42:43+07:00	ISO8601
BDI-Channel	M	String (7)	Alphanumeric	Specific Channel ID	DBP	
BDI-Service-Code	M	String (15)	Alphanumeric	Unique service code, defined by API Publisher	FT_XFOFF_S	
BDI-Signature	C	String	Alphanumeric	For <b>generate signature</b> , please refer to document below use this header if you are using HMAC_SHA512	jdpPRGWFRUXWEtw0yC1XbF4UBQBer4CfXBub0LMtGSE=	If the signature is HMACSHA512 then use BDI-Signature
BDI-Signature-256	C	String	Alphanumeric	For <b>generate signature</b> , please refer to document below use this header if you are using HMAC_SHA256	jdpPRGWFRUXWEtw0yC1XbF4UBQBer4CfXBub0LMtGSE=	If the signature is HMACSHA525 then use BDI-Signature-256

\* Legend :

- O : Optional
- M : Mandatory
- C : Conditional

## Generate Signature

For generate Signature, use this component

If Request is 'POST' or 'PUT'

**HMAC\_SHA512 / HMAC\_SHA256 (Secret Key, BDI-Timestamp + Request Body)**

If Request is 'GET' or 'DELETE'

**HMAC\_SHA512 / HMAC\_SHA256 (Secret Key, BDI-Timestamp)**

Output Format: **Base64**

**a. BDI-Timestamp**

Please refer to the document before it

**b. Secret Key**

Secret Key generate by Bank Danamon

**c. Request Body**

Request body is performed according to the following rule:

- All Carriage return, "\r" are stripped.
- All line feed character, "\n" are stripped.
- All tab character, "\t" are stripped.
- All space or whitespace character "\s" are stripped.

Sample Request Body	The JSON request above will become
<pre>{   "request1": "hello",   "request2": "hello world" }</pre>	<pre>{"request1":"hello","request2":"helloworld"}</pre>

## 1.2 Header Request Sample

Content-Type	:	application/json
BDI-Key	:	962489e9-de5d-4eb7-92a4-b07d44d64bf4
BDI-External-ID	:	8255778561291540
BDI-Timestamp	:	2023-12-19T11:42:43+07:00
BDI-Channel	:	DBP
BDI-Service-Code	:	FT_XFOFF_S
BDI-Signature	:	jdpPRGWFRUXWEtw0yC1XbF4UBQBer4CfXBUB0LMtGSE=

## 1.3 Header Response Specifications

Field Name		Data Type	Format	Description	Sample	Remarks
Content-Type	M	String	Alphanumeric	Content of your request body	application/json	
BDI-External-ID	M	String (36)	Alphanumeric	Reference number generated by Channel and must be unique	8255778561291540	Echo from Request
BDI-Timestamp	M	String	yyyy-MM-dd'T'HH:mm:ssXXX	Transaction date time. Time must be in GMT+7 (Jakarta time)	2023-12-19T11:42:43+07:00	ISO8601
X-CorrelationID	M	String	Alphanumeric	API GW Internal trace ID	Id-6cfc1365eaae36c86b162e29	

\* Legend :

- O : Optional
- M : Mandatory
- C : Conditional

## 1.4 Header Response Sample

Content-Type	:	application/json
BDI-External-ID	:	8255778561291540
BDI-Timestamp	:	2023-12-19T11:42:43+07:00
X-CorrelationID	:	Id-6cfc1365eaae36c86b162e29



## 2. Body

### 2.1 Request

Field Name		Data Type	Format	Description	Sample	Remarks
xferInfoFrom	M	Object				
acctId	M	string (12)	Numeric	Account ID	903600415859	
acctType	M	string (2)	Numeric	Account Type	26	
acctCur	M	string (3)	Numeric	Account Currency	360	ISO8601
bdiAcctStatus	M	string (1)	Alphanumeric	bdiAccountStatus	Y	
bdiAcctCitizen	M	Numeric (1)	Alphanumeric	bdiAccountCitizen	Y	
bdiXferXFOff	M	Object				
bdiXferAmtFrom	M	string (15)	Numeric	Amount From	1000000000	
bdiXferAmtFromLCE	M	string (15)	Numeric	Amount From LCE	1000000000	
bdiXferAmtTo	M	string (15)	Numeric	amountTo	1000000000	
bdiXferAmtToLCE	M	string (15)	Numeric	amountToLCE	1000000000	
bdiXferType	M	string (1)	Numeric	Transfer Type	4	
bdiXferCurCode	M	string (3)	Numeric	Currency Code	0	
bdiXRateAmt	M	string (13)	Numeric	rate amount	100	
bdiStdRateAmt	M	string (13)	Numeric	Standard Rate Amount	100	
bdiXReffNumber	M	string		Reference Number		
bdiXferBeneficiary	M	Object				
bdiBenfID	M	string		Beneficiary Id	29895023100	
bdiBenfAcct	M	string (16)	Numeric	Beneficiary Account Number	29895023100	
bdiBenfName	M	string (40)	Alphanumeric Numeric	Beneficiary Account Name	ASTRI BUDIARTI	
bdiBenfAddress	M	string (120)	Alphanumeric	Address of Beneficiary		
bdiBenStatus	M	string (1)	Alphanumeric	Account Active Status Set "Y": Resident Set "N": Non Resident Ignore	Y	
bdiBenCitizen	M	string (1)	Alphanumeric	Local Citizen Set "Y": Citizen Set "N":	Y	

					Non-Citizen Ignore		
	bankInfo	M	Object				
	biCode	M	string (10)	Numeric	Bank Identification Code	1100019	
	cocCode	M	string (3)	Numeric	Coc Code	901	
	name	M	string (120)	Alphanumeric	Bank Name	Jakarta	
	bdiXferCostCtr	M	string (5)	Numeric	Account Cost Center	7101	
	bdiFeeAmt	M	string (15)	Numeric	Fee Amount	3500000	
	bdiFeeAmtLCE	M	string (15)	Numeric	Fee Amount LCE	3500000	
	bdiFeeProclr	M	string (1)	Alphanumeric	Fee Processing Indication "C": Combine, "S": Split	S	
	bdiXferMemo	M	Object				
	bdiFrMemo1	M	string (40)	Alphanumeric	From Memo1	Internet Trf dari AUDI MAULANA	
	bdiFrMemo2	M	string (40)	Alphanumeric	From Memo2	ke ASTRI BUDIARTI 11	
	bdiToMemo1	M	string (40)	Alphanumeric	To Memo1	ke ASTRI BUDIARTI 11	
	bdiToMemo2	M	string (40)	Alphanumeric	To Memo1	Internet Trf dari AUDI MAULANA	
	transInfo	M	Object				
	trn	M	string (8)	Alphanumeric	trn	IFT00000	
	fee	M	string (3)	Alphanumeric	Fee	BEN	
	lldInfo	M	string (40)	Alphanumeric	LLD Info	ID015	

\* Legend :

O : Optional

M : Mandatory

C : Conditional

## 2.2 Request Sample

```
{
  "xferInfoFrom": {
    "acctId": "903600415859",
    "acctType": "26",
    "acctCur": "360",
    "bdiAcctStatus": "Y",
    "bdiAcctCitizen": "Y"
  },
  "bdiXferXFOff": {
    "bdiXferAmtFrm": "1000000000",
    "bdiXferAmtFrmLCE": "1000000000",
    "bdiXferAmtTo": "1000000000",
    "bdiXferAmtToLCE": "1000000000",
    "bdiXferType": "4",
    "bdiXferCurCode": "0",
    "bdiXRateAmt": "100",
    "bdiStdRateAmt": "100",
    "bdiXReffNumber": "",
    "bdiXferBeneficiary": {
      "bdiBenfID": " ",
      "bdiBenfAcct": "29895023100",
      "bdiBenfName": "ASTRI BUDIARTI",
      "bdiBenfAddress": " ",
      "bdiBenStatus": "Y",
      "bdiBenCitizen": "Y",
      "bankInfo": {
        "biCode": "1100019",
        "cocCode": "901",
        "name": "Jakarta "
      }
    }
  },
  "bdiXferCostCtr": "7101",
  "bdiFeeAmt": "3500000",
  "bdiFeeAmtLCE": "3500000",
  "bdiFeeProclr": "S",
  "bdiXferMemo": {
    "bdiFrMemo1": "Internet Trf dari AUDI MAULANA",
    "bdiFrMemo2": "ke ASTRI BUDIARTI 11",
    "bdiToMemo1": "ke ASTRI BUDIARTI 11",
    "bdiToMemo2": "Internet Trf dari AUDI MAULANA"
  },
  "transInfo": {
    "trn": "IFT00000",
    "fee": " BEN"
  },
  "lldInfo": "ID015"
}
```

## 2.3 Response

Field Name		Data Type	Format	Description	Sample	Remarks
responseCode	M	String (10)	Alphanumeric	Response Code	200R000000	
responseMessage	M	String (200)	Alphanumeric	Response Message	Successful	
subStatusProvider		Object				
providerSystem	M	String	Alphanumeric	The core services / publisher entity	NCBS	
statusCode	M	String	Alphanumeric	Core services / publisher Status Code	0000000	
statusDesc	M	String	Alphanumeric	Core services / publisher Status Message	Success	
data		Object				
traceId	M	string (23)	Alphanumeric	Trace Id generated by NCBS	202309121623081730373424	

\* Legend :

O : Optional

M : Mandatory

C : Conditional

## 2.4 Response Sample

```
{
  "responseCode": "200R000000",
  "responseMessage": "Successful",
  "subStatusProvider": {
    "providerSystem": "NCBS",
    "statusCode": "0000000",
    "statusDesc": "SUCCESS"
  },
  "data": {
    "traceId": "202309121623081730373424"
  }
}
```

## 2.5 Response Error Sample

```
{
  "responseCode": "403R002004",
  "responseMessage": "Account Not Found",
  "subStatusProvider": {
    "providerSystem": "NCBS",
    "statusCode": "2853",
    "statusDesc": "Account not found for - 00355878083"
  },
  "data": {
    "traceId": "202309121623081730373424"
  }
}
```

## 2.6 Response Error API GW Sample

```
{
  "responseCode": "504R000000",
  "responseMessage": "Timeout"
  "subStatusProvider": {
    "providerSystem": "API-GW",
    "statusCode": "504R000000",
    "statusDesc": "Timeout"
  },
  "data": null
}
```

### 3. Response Code

Http Code	Group	Case Code	Response Code	Response Message	Description
200	R000	000	200R000000	Successful	Successful
400	R002	001	400R002001	Invalid Field Format {Field Name}	Invalid Format
400	R002	002	400R002002	Invalid Mandatory Field {Field Name}	Missing or invalid format on mandatory field
401	R002	003	401R002003	Invalid Token	Token found in request is invalid (Access Token Not Exist, Access Token Expiry)
500	R002	001	500R002001	Internal Server Error	Something went wrong, please try again later
403	R002	062	403R002062	Invalid channelId or svcCode	Invalid channelId or svcCode

## **Additional Notes**