

SOFTY COMP API

IMPLEMENTATION GUIDE

REVISION HISTORY

Date	Version	Summary of Changes	Prepared by
2017-12-19	1.0	Documentation Creation	Roelof Jansen van Vuuren
2018-01-15	1.2	Endpoints URL Update	Roelof Jansen van Vuuren
2018-01-29	1.3	Update Client Update Collection	Roelof Jansen van Vuuren
2018-03-26	1.4	Add Mandate – Collection Add Mandate – Client Collection Download Mandate	Anel Rosewall
2018-05-07	1.5	Send SMS – Mr Messaging	Anel Rosewall
2018-05-14	1.6	Corrected the SMS send method and added list function	Anel Rosewall
2018-05-22	1.7	Corrected the SMS fields regarding required and call back URL	Anel Rosewall
2018-06-11	1.8	Endpoints updates	Roelof Jansen van Vuuren
2018-06-19	1.9	Added the Allow Invoicing Field to the Client Adjusted the collection response to include a list of mandates for the collection	Anel Rosewall
2018-07-12	1.10	Collection Update endpoint URL was not correct	Roelof Jansen van Vuuren

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INTRODUCTION

The Softy Comp API (SAPI) is one of the integrated channel solutions. It uses a secure, automated, two-way data transfer service that renders products and services to entities outside Softy Comp through a digital channel.

The channel will allow clients to interface their in-house systems directly and securely with that of Softy Comp.

The SAPI channel will offer the following services:

- Debit order collections
- EFT
- NAEDO
- Mandate Storage and retrieval
- SMS Services
- CDV Validation
- AVS/AHV Validations

This document will focus on the integrations and method implementation to the different services available. It also covers the message and request structures for different services and provides sample codes. It will provide the links to the service contract definitions that users must adopt in order to cater for the services provided by SAPI.

SAPI is a Restful JSON services that runs over HTTPS.

Please take note that SAPI is still in development and testing phase and will be available in 2018.

API METHODS

API FIELDS AND RULES

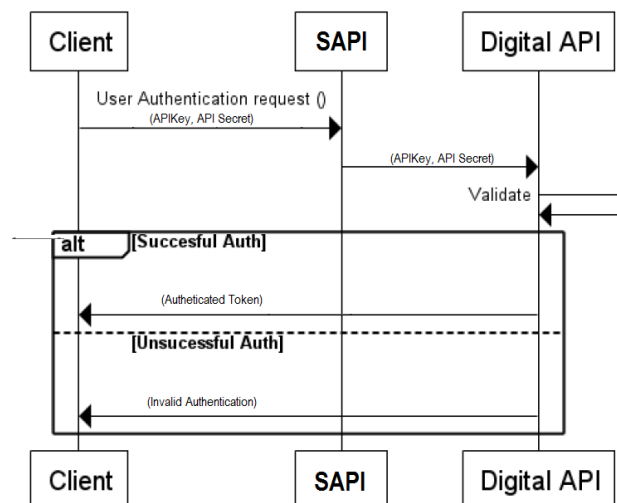
In this section the industry level data fields and rules around it will be provided for reference purposes. The following abbreviations are used.

FIELDS

Field Type	Required Types
S = String	M = Mandatory
N = Number	O = Optional
B = Boolean	C = Conditional
I = Integer	
DTO = Data Transfer Object (Array)	
DT = Date	

AUTENTICATION OPERATIONS

AUTHENTICATION USER SEQUENCE DIAGRAM




```

c1RyYW5zYWw0aW9uc0xpbWI0Tm90aWZpY2F0aW9uIjoiRmFsc2UiLCJleHAiOiE1MTk4ODI5NjAsImZlcyI6IlNvZnR5Q29tcClmF1ZCI6IlNvZnR5Q29tcCJ9.I8d6FKKLwVGeGzX2d-URLh6hz5xSGCyCsE-
xjTzZfYwjHFz4pysCb3wA4EzMCZc7b-VQ9_jYtRlgcXR9ysr27Q",
  "expiration": "2018-03-01T05:42:40Z"
}

```

CLIENT COLLECTION OPERATIONS

CREATE CLIENT WITH COLLECTION

This method allows the end-user to add a new client with a collection onto the system. Please note that collection rules apply.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
ClientDetails	DTO	M	-	
Initials	S	O	3	The initials of the clients if the client is not a company.
Surname	S	M	120	The client surname or the company name.
ContractCode	S	C	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	C	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
Registration Number			30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	O	10	The home telephone number.
WorkTelephoneNumber	S	O	10	The work place telephone number.
CellphoneNumber	S	C	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	C	90	<ul style="list-style-type: none"> - The clients email address. - If AllowInvoicing = true then an email address must be specified
AddressTypeID	N	M	-	The Address type of the client. Default to 1(street).
Address	S	O	100	Address details of the client.

AddressSuburb	S	O	250	The suburb of the address.
AddressTown	S	O	250	The town of the address.
PostalCode	S	O	6	The postal code of the address.
IsSouthAfricanCitizen	B	M	-	True/False if the client is a South African Citizen.
ClientTypeID	N	M	-	Client type: Company Individual
AllowInvoicing	B	O	-	- Allows Invoices to be sent to the client. This field will default to false if the applicable company settings are false. - If not specified it will have a default value of false
CollectionDetails	DTO	M	-	
CollectionMethodTypeID	N	M	-	The collection method.
CollectionFrequencyTypeID	N	M	-	The frequency of the collection.
CommencementDate	DT	C	-	The date on which the debit order will start.
TransactionDate	DT	C	-	The transaction date of the debit order if the frequency is a once off.
ExpiryDate	DT	O	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	C	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	C	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (1-12)
Amount	N	M	-	The amount that will be collected.
ToCollectionAmountTotal	N	C	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	M	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	O	50	User custom description.
AccountTypeID	N	M	-	The account type for the banking details of the collection.
BranchCode	N	M	-	The bank branch code.
AccountNumber	S	M	20	The collection account number.
AccountName	S	M	70	The account name of the collection.
Mandate	DTO	C	-	If Company setting "Mandate Mandatory" = true, then Mandate

				required else if false Mandate not required
FileData	S	M	Max	The File's content in byte[] hex string format
FileName	S	M	-	Name of the File

 REQUEST SAMPLE

URL	Provided URL/api/clientcollection
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	<pre> { "ClientDetails" : { "Initials" : "MK", "Surname":"Rosewall", "ContractCode":"QAR10", "IDNumber":"9006210009088", "VATno": "", "RegistrationNumber": "", "HomeTelephoneNumber": "", "WorkTelephoneNumber": "", "CellphoneNumber": "0748891529", "EmailAddress": "", "Address": "", "AddressSuburb": "", "AddressTown": "", "IsSouthAfricanCitizen": true, "PostalCode": "", "ClientTypeID": "2", "AddressTypeID": "1", "AllowInvoicing" : true }, "CollectionDetails": { "CollectionMethodTypeID": "4", "CollectionFrequencyTypeID": "1", "CommencementDate": "2018-07-01", "TransactionDate": "2018-07-01", "ExpiryDate": "", "DebitDay": "", "DebitMonth": "", "Amount": "50", "ToCollectionAmountTotal": "", "NaedoTrackingCodeID": "12", "CollectionDescription": "API Collection", "AccountTypeID": "1", "BranchCode": "250655", </pre>

```

    "AccountNumber": "0123456789",
    "AccountName": "Mev. MK Rosewall",
    "Mandate": {
      "FileData": "0x255044462D312E350D0A25B5B5B5B50D0A3120302
06F66A0D0A3C3C2F547970652F436174616C6F672F50616765732
032203020522F4C616E6728656E2D555329203E3E0D0A656E646F
626A0D0A322030206F626A0D0A3C3C2F54797...",
      "FileName": "Test.pdf"
    }
  }
}

```

RESPONSE FIELDS

Field Name	Type	Length	Description
ClientDetails	DTO	-	
ClientID	N	-	The unique system ID
Initials	S	3	The initials of the clients if the client is not a company.
Surname	S	120	The client surname or the company name.
ContractCode	S	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
RegistrationNumber		30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	10	The home telephone number.
WorkTelephoneNumber	S	10	The work place telephone number.
CellphoneNumber	S	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	90	The clients email address.
AddressTypeID	N	-	The Address type of the client. Default to 1(street).
Address	S	100	Address details of the client.
AddressSuburb	S	250	The suburb of the address.
AddressTown	S	250	The town of the address.
PostalCode	S	6	The postal code of the address.

IsSouthAfricanCitizen	B	-	True/False if the client is a South African Citizen.
ClientTypeID	N	-	Client type: Company Individual
AllowInvoicing	B	-	- Allows Invoices to be sent to the client. This field will default to false if the applicable company settings are false. - If not specified it will have a default value of false
CollectionDetails	DTO	-	
CollectionID	N	-	The unique system ID.
CollectionMethodTypeID	N	-	The collection method.
CollectionFrequencyTypeID	N	-	The frequency of the collection.
CommencementDate	DT	-	The date on which the debit order will start.
TransactionDate	DT	-	The transaction date of the debit order if the frequency is a once off.
ExpiryDate	DT	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (1-12)
Amount	N	-	The amount that will be collected.
ToCollectionAmountTotal	N	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	50	User custom description.
AccountTypeID	N	-	The account type for the banking details of the collection.
BranchCode	N	-	The bank branch code.
AccountNumber	S	20	The collection account number.
AccountName	S	70	The account name of the collection.
Mandate	DTO	-	
MandateID	N	-	The created Mandate ID

DocumentGuid	S	36	Created Document Guid
ExternalReference	S	100	CompanyID + "-" + Current Date in format "yyyyMMddhhmmss". This will be blank as a return field
ActionReference	S	100	Ignore – this is for internal use
FileName	S	100	The physical files name. This will be blank as a return field
FileExtension	S	10	The extension of the file. This will be blank as a return field
ValidationMessage	S	max	This will contain the error message if validation failed.
Content	S	max	The File's content in byte[] string format. This will be blank as a return field
Success	B	-	True or False
Action	N	-	Ignore – this is for internal use

RESPONSE SAMPLE

Sample
<pre>{ "collectionID": 774908, "client": { "clientID": 587770, "companyID": 1, "initials": "MK", "surname": "Rosewall", "contractCode": "QAR9", "idNumber": "9006210009088", "vaTno": "", "registrationNumber": "", "homeTelephoneNumber": "", "workTelephoneNumber": "", "cellphoneNumber": "0748891529", "emailAddress": "", "address": "", "addressSuburb": "", "addressTown": "", "isSouthAfricanCitizen": true, "postalCode": "", "inceptionDate": null, "clientTypeID": 2, "addressTypeID": 1, "clientStatusTypeID": 1, "allowInvoicing": false }, "clientID": 587770, "collectionMethodTypeID": 4, "collectionFrequencyTypeID": 1, }</pre>

```

"collectionStatusTypeID": 0,
"commencementDate": "2018-07-01T00:00:00",
"transactionDate": "2018-07-01T00:00:00",
"expiryDate": null,
"debitDay": null,
"debitMonth": null,
"amount": 50,
"toCollectionAmountTotal": null,
"naedoTrackingCodeID": 12,
"collectionDescription": "API Collection",
"accountTypeID": 1,
"branchCode": 250655,
"accountNumber": "0123456789",
"accountName": "Mev. MK Rosewall",
"mandates": [
  {
    "mandateID": 503205,
    "collectionID": 774908,
    "documentGUID": "f51ecdd7-daec-4119-94f5-60f58e5952e3",
    "fileName": "Test.pdf"
  }
]
}

```

CLIENT OPERATIONS

GET CLIENTS

This method allows the user to list all clients on his/her profile.

REQUEST SAMPLE

URL	Provided URL /api/clients/getclients
Method	GET
Header	Content-Type: application/json Authorization: Token Generated with 2.1

RESPONSE FIELDS

Field Name	Type	Length	Description
ClientID	N	-	The system ID for the client. Will be used on other request,
Initials	S	3	The initials of the clients if the client is not a company.
Surname	S	120	The client surname or the company name.

ContractCode	S	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
Registration Number		30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	10	The home telephone number.
WorkTelephoneNumber	S	10	The work place telephone number.
CellphoneNumber	S	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	90	The clients email address.
AddressTypeID	N	-	The Address type of the client. Default to 1(street).
Address	S	100	Address details of the client.
AddressSuburb	S	250	The suburb of the address.
AddressTown	S	250	The town of the address.
PostalCode	S	6	The postal code of the address.
IsSouthAfricanCitizen	B	-	True/False if the client is a South African Citizen.
ClientTypeID	N	-	Client type: Company Individual
AllowInvoicing	B	-	- Allows Invoices to be sent to the client. This field will default to false if the applicable company settings are false. - If not specified it will have a default value of false

RESPONSE SAMPLE

Sample
<pre>{ "clientID": 21458, "companyID": 1, "initials": "", "surname": " Company A", "contractCode": "000018", "idNumber": "", "VATno": null, "registrationNumber": "2013/116897/07", "homeTelephoneNumber": "", "workTelephoneNumber": "0219518556", "cellphoneNumber": "0823818363", "emailAddress": "Nathan@CompanyA.co.za",</pre>

```

"address": "",
"addressSuburb": "",
"addressTown": "",
"isSouthAfricanCitizen": true,
"postalCode": "",
"inceptionDate": null,
"clientTypeID": 1,
"addressTypeID": 1,
"clientStatusTypeID": 2
"allowInvoicing": false
},
{
"clientID": 333840,
"companyID": 1,
"initials": "",
"surname": "Company B",
"contractCode": "000033",
"idNumber": "",
"VATno": "",
"registrationNumber": "2007/033550/23",
"homeTelephoneNumber": "",
"workTelephoneNumber": "0878130500",
"cellphoneNumber": "0797686645",
"emailAddress": "hennie@eftservices.co.za",
"address": "15759",
"addressSuburb": "Lynn East",
"addressTown": "Moot",
"isSouthAfricanCitizen": true,
"postalCode": "0039",
"inceptionDate": "2017-05-10T00:00:00",
"clientTypeID": 1,
"addressTypeID": 2,
"clientStatusTypeID": 1,
"allowInvoicing": true
},
{
"clientID": 199098,
"companyID": 1,
"initials": "",
"surname": "Body Strong Fitness",
"contractCode": "000024",
"idNumber": "",
"VATno": null,
"registrationNumber": "",
"homeTelephoneNumber": "",
"workTelephoneNumber": "",
"cellphoneNumber": "0716890748",
"emailAddress": "pieterdip7@gmail.com",
"address": "",
"addressSuburb": "",
"addressTown": "Ermelo",
"isSouthAfricanCitizen": true,
"postalCode": "",
"inceptionDate": null,
"clientTypeID": 1,

```



```

"addressTypeID": 1,
"clientStatusTypeID": 2,
"allowInvoicing": true
},

```

GET CLIENT

This method allows the user to get a specific client on his/her profile.

REQUEST SAMPLE

URL	Provided URL /api/clients/{clientID} <i>Example: Provided URL/api/clients/473945</i>
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1

RESPONSE FIELDS

Field Name	Type	Length	Description
ClientID	N	-	The system ID for the client. Will be used on other request,
Initials	S	3	The initials of the clients if the client is not a company.
Surname	S	120	The client surname or the company name.
ContractCode	S	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
Registration Number		30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	10	The home telephone number.
WorkTelephoneNumber	S	10	The work place telephone number.
CellphoneNumber	S	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	90	The clients email address.
AddressTypeID	N	-	The Address type of the client. Default to 1(street).

Address	S	100	Address details of the client.
AddressSuburb	S	250	The suburb of the address.
AddressTown	S	250	The town of the address.
PostalCode	S	6	The postal code of the address.
IsSouthAfricanCitizen	B	-	True/False if the client is a South African Citizen.
ClientTypeID	N	-	Client type: Company Individual
AllowInvoicing	B	-	- Allows Invoices to be sent to the client. This field will default to false if the applicable company settings are false. - If not specified it will have a default value of false

RESPONSE SAMPLE

Sample
<pre>{ "clientID": 501481, "companyID": 1, "initials": "MK", "surname": "Rosewall", "contractCode": "QAR2", "idNumber": "9006210009088", "VATno": "", "registrationNumber": "", "homeTelephoneNumber": "", "workTelephoneNumber": "", "cellphoneNumber": "", "emailAddress": "", "address": "", "addressSuburb": "", "addressTown": "", "isSouthAfricanCitizen": true, "postalCode": "", "inceptionDate": "2018-04-05T00:00:00", "clientTypeID": 2, "addressTypeID": 1, "clientStatusTypeID": 1, "allowInvoicing": false }</pre>

UPDATE CLIENT

This method allows the user to update specific client on his/her profile.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
ClientID	N	M	-	The id of the client that the user wants to update.
Initials	S	O	3	The initials of the clients if the client is not a company.
Surname	S	M	120	The client surname or the company name.
ContractCode	S	C	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	C	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
Registration Number			30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	O	10	The home telephone number.
WorkTelephoneNumber	S	O	10	The work place telephone number.
CellphoneNumber	S	C	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	C	90	<ul style="list-style-type: none"> - The clients email address. - If AllowInvoicing = true then an email address must be specified
AddressTypeID	N	M	-	The Address type of the client. Default to 1(street).
Address	S	O	100	Address details of the client.
AddressSuburb	S	O	250	The suburb of the address.
AddressTown	S	O	250	The town of the address.
PostalCode	S	O	6	The postal code of the address.
IsSouthAfricanCitizen	B	M	-	True/False if the client is a South African Citizen.
ClientTypeID	N	M	-	Client type:

				Company Individual
AllowInvoicing	B	O	-	- Allows Invoices to be sent to the client. This field will default to false if the applicable company settings are false. - If not specified it will have a default value of false

REQUEST SAMPLE

URL	Provided URL /api/clients
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	<pre> { "ClientID": 473948, "Initials": "SR", "Surname": "Jansen van Vuuren", "ContractCode": "SOF999", "IDNumber": "9010305027088", "RegistrationNumber": "", "HomeTelephoneNumber": "", "WorkTelephoneNumber": "0126642745", "CellphoneNumber": "0722732162", "EmailAddress": "", "VATno": "112341", "Address": "", "AddressSuburb": "", "AddressTown": "", "IsSouthAfricanCitizen": true, "PostalCode": "", "ClientTypeID": 2, "AddressTypeID": 1, "ClientStatusTypeID": 1 } </pre>

RESPONSE FIELDS

Field Name	Type	Length	Description
ClientID	N	-	The system ID for the client. Will be used on other request,
Initials	S	3	The initials of the clients if the client is not a company.

Surname	S	120	The client surname or the company name.
ContractCode	S	8	If the user profile is set up as not contract code auto generated then this field has to be filled in.
IDNumber	S	30	If the client is not a company and the ID number is mandatory then the fields needs to be filled in. If no the field can be left empty.
Registration Number		30	If the client is a company and the registration number is mandatory then the fields needs to be filled in. If no the field can be left empty.
HomeTelephoneNumber	S	10	The home telephone number.
WorkTelephoneNumber	S	10	The work place telephone number.
CellphoneNumber	S	10	If the cell phone number is not mandatory this field can be left empty. If the field is filled in the format is as follows: 0722733216
EmailAddress	S	90	The clients email address.
AddressTypeID	N	-	The Address type of the client. Default to 1(street).
Address	S	100	Address details of the client.
AddressSuburb	S	250	The suburb of the address.
AddressTown	S	250	The town of the address.
PostalCode	S	6	The postal code of the address.
IsSouthAfricanCitizen	B	-	True/False if the client is a South African Citizen.
ClientTypeID	N	-	Client type: Company Individual

RESPONSE SAMPLE

Sample

```

k
  "clientID": 473948,
  "companyID": 1,
  "initials": "SR",
  "surname": "Jansen van Vuuren",
  "contractCode": "SOF999",
  "idNumber": "9010305027088",
  "vaTno": "112341",
  "registrationNumber": "",
  "homeTelephoneNumber": "",
  "workTelephoneNumber": "0126642745",
  "cellphoneNumber": "0722732162",
  "emailAddress": "",
  "address": "",
  "addressSuburb": "",
  "addressTown": "",
  "isSouthAfricanCitizen": true,
  "postalCode": "",
  "inceptionDate": null,
  "clientTypeID": 2,
  "addressTypeID": 1,
  "clientStatusTypeID": 1
}

```

COLLECTION OPERATIONS

GET COLLECTIONS

This method allows the user to list all the collections for a specific client on his/her profile.

REQUEST SAMPLE

URL	Provided URL /api/collections/{clientID}/collections <i>Example: Provided URL/api/collections/473948/collections</i>
Method	GET
Header	Content-Type: application/json Authorization: Token Generated with 2.1

RESPONSE FIELDS

Field Name	Type	Length	Description
CollectionID	N	-	The unique system ID.
CollectionMethodTypeID	N	-	The collection method.
CollectionFrequencyTypeID	N	-	The frequency of the collection.
CommencementDate	DT	-	The date on which the debit order will start.
TransactionDate	DT	-	The transaction date of the debit order if the frequency is a once off.

ExpiryDate	DT	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (112)
Amount	N	-	The amount that will be collected.
ToCollectionAmountTotal	N	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	50	User custom description.
AccountTypeID	N	-	The account type for the banking details of the collection.
BranchCode	N	-	The bank branch code.
AccountNumber	S	20	The collection account number.
AccountName	S	70	The account name of the collection.

RESPONSE SAMPLE

Sample
<pre>{ "collectionID": 678510, "collectionMethodTypeID": 6, "collectionFrequencyTypeID": 2, "collectionStatusTypeID": 1, "commencementDate": "0001-01-01T00:00:00", "transactionDate": null, "expiryDate": null, "debitDay": 1, "debitMonth": null, "amount": 100, "toCollectionAmountTotal": null, "naedoTrackingCodeID": 13, "collectionDescription": "TEst", "accountTypeID": 2, "branchCode": 632005, "accountNumber": "9051013994", "accountName": "Test", "mandate": null },</pre>

```
{
  "collectionID": 678511,
  "collectionMethodTypeID": 6,
  "collectionFrequencyTypeID": 2,
  "collectionStatusTypeID": 1,
  "commencementDate": "0001-01-01T00:00:00",
  "transactionDate": null,
  "expiryDate": null,
  "debitDay": 1,
  "debitMonth": null,
  "amount": 50,
  "toCollectionAmountTotal": null,
  "naedoTrackingCodeID": 13,
  "collectionDescription": "Test QA 2",
  "accountTypeID": 2,
  "branchCode": 632005,
  "accountNumber": "9051013994",
  "accountName": "Test",
  "mandate": null
},
{
  "collectionID": 678512,
  "collectionMethodTypeID": 6,
  "collectionFrequencyTypeID": 2,
  "collectionStatusTypeID": 1,
  "commencementDate": "0001-01-01T00:00:00",
  "transactionDate": null,
  "expiryDate": null,
  "debitDay": 2,
  "debitMonth": null,
  "amount": 100,
  "toCollectionAmountTotal": null,
  "naedoTrackingCodeID": 12,
  "collectionDescription": "Test QA 3",
  "accountTypeID": 2,
  "branchCode": 632005,
  "accountNumber": "9051013994",
  "accountName": "Test",
  "mandate": null
},
}
```

GET COLLECTION

This method allows the user to get the details for on his/her profile.

 REQUEST SAMPLE

URL	Provided URL /api/collections/{clientID}/collections/{collectionID} Example: Provided URL /api/collections/501481/collections/678525
Method	GET
Header	Content-Type: application/json Authorization: Token Generated with 2.1

 RESPONSE FIELDS

Field Name	Type	Length	Description
CollectionID	N	-	The unique system ID.
CollectonMethodTypeID	N	-	The collection method.
CollectionFrequencyTypeID	N	-	The frequency of the collection.
CommencementDate	DT	-	The date on which the debit order will start.
TransactionDate	DT	-	The transaction date of the debit order if the frequency is a once off.
ExpiryDate	DT	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (112)
Amount	N	-	The amount that will be collected.
ToCollectionAmountTotal	N	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	50	User custom description.
AccountTypeID	N	-	The account type for the banking details of the collection.
BranchCode	N	-	The bank branch code.
AccountNumber	S	20	The collection account number.
AccountName	S	70	The account name of the collection.

 RESPONSE SAMPLE

Sample
<pre> { "collectionID": 678525, "collectionMethodTypeID": 4, "collectionFrequencyTypeID": 1, "collectionStatusTypeID": 1, "commencementDate": "0001-01-01T00:00:00", "transactionDate": "2018-05-10T00:00:00", "expiryDate": null, "debitDay": null, "debitMonth": null, "amount": 200, "toCollectionAmountTotal": null, "naedoTrackingCodeID": 12, "collectionDescription": "API Collection", "accountTypeID": 1, "branchCode": 250655, "accountNumber": "0123456789", "accountName": "Mev. MK Rosewall", "mandate": null } </pre>

CREATE COLLECTION

This method adds a new collection to an existing client. Please note that collection rules apply.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
ClientID	N	M	-	The system clientID that the collection needs to be added to.
CollecitonMethodTypeID	N	M	-	The collection method.
CollectionFrequencyTypeID	N	M	-	The frequency of the collection.
CommencementDate	DT	C	-	The date on which the debit order will start.
TransactionDate	DT	C	-	The transaction date of the debit order if the frequency is a once off.

ExpiryDate	DT	O	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	C	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	C	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (112)
Amount	N	M	-	The amount that will be collected.
ToCollectionAmountTotal	N	C	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	M	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	O	50	User custom description.
AccountTypeID	N	M	-	The account type for the banking details of the collection.
BranchCode	N	M	-	The bank branch code.
AccountNumber	S	M	20	The collection account number.
AccountName	S	M	70	The account name of the collection.
Mandate	DTO	C	-	If Company setting "Mandate Mandatory" = true, then Mandate required else if false Mandate not required
FileData	S	M	Max	The File's content in byte[] hex string format
FileName	S	M	-	Name of the File

REQUEST SAMPLE

URL	Provided URL /api/collections
Method	POST
Header	Content-Type: application/json

	Authorization: Token Generated with 2.1
Request	<pre> { "ClientID": "587763", "CollectionMethodTypeID": "4", "CollectionFrequencyTypeID": "1", "CommencementDate": "2018-07-05", "TransactionDate": "2018-07-09", "ExpiryDate": "", "DebitDay": "", "DebitMonth": "", "Amount": "200", "ToCollectionAmountTotal": "", "NaedoTrackingCodeID": "12", "CollectionDescription": "API Collection", "AccountTypeID": "1", "BranchCode": "250655", "AccountNumber": "0123456789", "AccountName": "Mev. MK Rosewall", "Mandate": { "FileData": "0x255044462D312E350D0A25B5B5B5B50D0A312030206F626A0D0A3C 3C2F547970652F436174616C6F672F50616765732032203020522F4C616E672865 6E2D555329203E3E0D0A656E646F626A0D0A322030206F626A0D0A3C3C2F5479 70652F50616765732F436F756E7420312F4B6964735B203320302.....", "FileName": "Test.pdf" } } </pre>

RESPONSE FIELDS

Field Name	Type	Length	Description
CollectionID	N	-	The unique system ID.
CollecitonMethodTypeID	N	-	The collection method.
Client	DTO	-	As Explained previously in this document for the ClientDetails DTO
CollectionFrequencyTypeID	N	-	The frequency of the collection.
CollectionStatusTypeID	N	-	The Status of the Collection.
CommencementDate	DT	-	The date on which the debit order will start.
TransactionDate	DT	-	The transaction date of the debit order if the frequency is a once off.
ExpiryDate	DT	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)

DebitMonth	N	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (112)
Amount	N	-	The amount that will be collected.
ToCollectionAmountTotal	N	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	50	User custom description.
AccountTypeID	N	-	The account type for the banking details of the collection.
BranchCode	N	-	The bank branch code.
AccountNumber	S	20	The collection account number.
AccountName	S	70	The account name of the collection.
Mandate	DTO	-	
MandateID	N	-	The created Mandate ID – unique to the uploaded mandate.
CollectionID	N	-	The Collection ID to which the mandate belongs
DocumentGuid	S	36	Created Document Guid
FileName	S	100	The physical files name. This will be blank as a return field

 RESPONSE SAMPLE

Sample
<pre>{ "collectionID": 774906, "client": { "clientID": 587763, "companyID": 1, "initials": "MK", "surname": "Rosewall", "contractCode": "QAR2", "idNumber": "9006210009088", "vaTno": "", "registrationNumber": "", "homeTelephoneNumber": "", "workTelephoneNumber": "", "cellphoneNumber": "0748891529", "emailAddress": "anel@softycomp.co.za", "address": "", "addressSuburb": "" } }</pre>

```

"addressTown": "",
"isSouthAfricanCitizen": true,
"postalCode": "",
"inceptionDate": "2018-06-18T00:00:00",
"clientTypeID": 2,
"addressTypeID": 1,
"clientStatusTypeID": 1,
"allowInvoicing": false
},
"clientID": 587763,
"collectionMethodTypeID": 4,
"collectionFrequencyTypeID": 1,
"collectionStatusTypeID": 0,
"commencementDate": "2018-07-05T00:00:00",
"transactionDate": "2018-07-09T00:00:00",
"expiryDate": null,
"debitDay": null,
"debitMonth": null,
"amount": 200,
"toCollectionAmountTotal": null,
"naedoTrackingCodeID": 12,
"collectionDescription": "API Collection",
"accountTypeID": 1,
"branchCode": 250655,
"accountNumber": "0123456789",
"accountName": "Mev. MK Rosewall",
"mandates": [
  {
    "mandateID": 503202,
    "collectionID": 774906,
    "documentGUID": "56014eb9-7958-43f3-b68e-d423fa72a117",
    "fileName": "Test.pdf"
  }
]
}

```

UPDATE COLLECTION

This method updates a collection on an existing client. Please note that collection rules apply.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
ClientID	N	M	-	The system clientID that the collection needs to be added to.
CollectionID	N	M	-	The system collection ID reference to indicate which collection must be updated.

CollectionMethodTypeID	N	M	-	The collection method.
CollectionStatysTypeID	N	M	-	The collection Status
CollectionFrequencyTypeID	N	M	-	The frequency of the collection.
CommencementDate	DT	C	-	The date on which the debit order will start.
TransactionDate	DT	C	-	The transaction date of the debit order if the frequency is a once off.
ExpiryDate	DT	O	-	The expiry date of the debit order. If left empty the debit order will not expire.
DebitDay	N	C	-	The debit day of the month the debit order will go off if the relevant frequency is selected. (1-31)
DebitMonth	N	C	-	The debit month of the year the debit order will go off if the relevant frequency is selected. (112)
Amount	N	M	-	The amount that will be collected.
ToCollectionAmountTotal	N	C	-	The to collect amount total is the total that will be collected before the debit order stops.
NaedoTrackingCodeID	N	M	-	The tracking code for the amount of days the Naedo debit order will track. Default to 12 of Eft.
CollectionDescription	S	O	50	User custom description.
AccountTypeID	N	M	-	The account type for the banking details of the collection.
BranchCode	N	M	-	The bank branch code.
AccountNumber	S	M	20	The collection account number.
AccountName	S	M	70	The account name of the collection.
Mandate	DTO	C	-	If Company setting "Mandate Mandatory" = true, then Mandate required else if false Mandate not required
FileData	S	M	Max	The File's content in byte[] hex string format

FileName	S	M	-	Name of the File
----------	---	---	---	------------------

REQUEST SAMPLE

URL	<i>Example: Provided URL/api/collections/update</i>
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	<pre>{ "ClientID": 587763, "CollectionID": 774895, "CollectionMethodTypeID": 4, "CollectionFrequencyTypeID": 1, "CollectionStatusTypeID": 1, "CommencementDate": "0001-07-04T00:00:00", "TransactionDate": "2018-07-09T00:00:00", "ExpiryDate": null, "DebitDay": null, "DebitMonth": null, "Amount": 100, "ToCollectionAmountTotal": null, "NaedoTrackingCodeID": 12, "CollectionDescription": "API Collection", "AccountTypeID": 1, "BranchCode": 250655, "AccountNumber": "0123456789", "AccountName": "Mev. MK Rosewall", "Mandate": { "FileData": "0x255044462D312E350D0A25B5B5B5B50D0A312030206F626A0D0A3C 3C2F547970652F436174616C6F672F50616765732032203020522F4C616E672865 6E2D555329203E3E0D0A656E646F626A0D0A322030206F626A0D0A3C3C2F5479 70652F50616765732F436F756E7420312F4B6964735B203320302.....", "FileName": "Test.pdf" } }</pre>

RESPONSE SAMPLE

Sample
<pre>{ "collectionID": 774895, "client": { "clientID": 587763, "companyID": 1, "initials": "MK", "surname": "Rosewall", "contractCode": "QAR2", "idNumber": "9006210009088", "vaTno": "", "registrationNumber": "" } }</pre>


```

"homeTelephoneNumber": "",
"workTelephoneNumber": "",
"cellphoneNumber": "0748891529",
"emailAddress": "anel@softycomp.co.za",
"address": "",
"addressSuburb": "",
"addressTown": "",
"isSouthAfricanCitizen": true,
"postalCode": "",
"inceptionDate": "2018-06-18T00:00:00",
"clientTypeID": 2,
"addressTypeID": 1,
"clientStatusTypeID": 1,
"allowInvoicing": false
},
"clientID": 0,
"collectionMethodTypeID": 4,
"collectionFrequencyTypeID": 1,
"collectionStatusTypeID": 1,
"commencementDate": "0001-07-04T00:00:00",
"transactionDate": "2018-07-09T00:00:00",
"expiryDate": null,
"debitDay": null,
"debitMonth": null,
"amount": 100,
"toCollectionAmountTotal": null,
"naedoTrackingCodeID": 12,
"collectionDescription": "API Collection",
"accountTypeID": 1,
"branchCode": 250655,
"accountNumber": "0123456789",
"accountName": "Mev. MK Rosewall",
"mandates": [
  {
    "mandateID": 503186,
    "collectionID": 774895,
    "documentGUID": "cc67b6f0-51db-4bda-8b1e-6030b50d687b",
    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503188,
    "collectionID": 774895,
    "documentGUID": "9d9bd437-7a9c-4f2f-8ac1-62baaa270739",
    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503191,
    "collectionID": 774895,
    "documentGUID": "dadb13db-589d-4b0d-9e22-4d0638e7507b",
    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503192,
    "collectionID": 774895,
    "documentGUID": "17c1ea5a-2726-4aef-90ee-831ca1262b29",

```

```

    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503193,
    "collectionID": 774895,
    "documentGUID": "824a0759-97c6-45b8-9f36-5e135e8dbf25",
    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503194,
    "collectionID": 774895,
    "documentGUID": "38ce9e6f-dad7-4aec-89cb-b46349919992",
    "fileName": "Test.pdf"
  },
  {
    "mandateID": 503203,
    "collectionID": 774895,
    "documentGUID": "fb3df4fd-fba3-46d7-b317-ff0b3e04ca57",
    "fileName": "Test.pdf"
  }
]

```

DOWNLOAD MANDATE

This method downloads the Mandate.

REQUEST SAMPLE

URL	Provided URL /api/mandates/{collectionID}/mandates/{documentGuid} <i>Example: Provided URL/api/mandates/678525/mandates/16233E33-ECE2-4A5C-9852-65C2BD27805D</i>
Method	POST
Header	Content-Type: application/octet-stream Authorization: Token Generated with 2.1

RESPONSE SAMPLE

Sample
0x255044462D312E350D0A25B5B5B50D0A312030206F626A0D0A3C3C2F547970652F436174616 C6F672F50616765732032203020522F4C616E6728656E2D555329203E3E0D0A656E646F626A0D0A3 22030206F626A0D0A3C3C2F547970652F50616765732F436F756E7420312F4B6964735B203320302

TRANSACTION OPERATIONS

GET TRANSACTIONS

This method allows the user to retrieve a list of transaction history for a specific collection.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
ClientID	N	M	-	The client id the collection belongs to for which the history is searched for.
CollectionID	N	M	-	The collection id that the history is searched for.

REQUEST SAMPLE

URL	Provided URL /api/transactions/{clientID}/{collectionID} <i>Example: Provided URL /api/transactions/922/164061</i>
Method	GET
Header	Content-Type: application/json Authorization: Token Generated

RESPONSE FIELDS

Field Name	Type	Length	Description
TransactionID	N	-	The primary key.
CollectionID	N	-	The collection id the transaction is linked to.
ClientID	N	-	The client id the collection belongs to.
TransactionTypeID	N	-	The type of transaction.
TransactionDate	DT	-	The date of the transaction.
Amount	N	-	The amount.
RunningBalance	N	-	The running balance of the collection at the moment of the transaction.
TotalRunningBalance	N	-	The total running balance of the client transactions at the moment of the transaction.
Reference	S	19	The reference on the client bank statement generated by the system.
GenerationTypeID	N	-	The type of transaction for the generation. Normal, Arrear, Unpaid, Resubmission.

CycleDate	DT	-	The cycle data to the original transaction. NAEDO applicable.
-----------	----	---	---

RESPONSE SAMPLE

```

Sample
[
  {
    "transactionID": 1081898,
    "collectionID": 164061,
    "clientID": 922,
    "transactionTypeID": 4,
    "transactionDate": "2015-02-06T00:00:00",
    "amount": 724.19,
    "runningBalance": 0,
    "totalRunningBalance": 0,
    "reference": "SOFTY 000001",
    "generationTypeID": 1,
    "cycleDate": "2015-02-06T00:00:00"
  },
  {
    "transactionID": 1081881,
    "collectionID": 164061,
    "clientID": 922,
    "transactionTypeID": 4,
    "transactionDate": "2015-02-06T00:00:00",
    "amount": -724.19,
    "runningBalance": -724.19,
    "totalRunningBalance": -724.19,
    "reference": "SOFTY 000001",
    "generationTypeID": 1,
    "cycleDate": "2015-02-06T00:00:00"
  }
]

```

CDV OPERATIONS
REQUEST CDV AUTHENTICATION

This method allows the user to do a CDV check.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
AccountNumber	S	M	21	The account number.
AccountTypeID	N	M	-	The account type id.
BranchCode	S	M	6	The account number branch code.

REQUEST SAMPLE

URL	Provided URL /api/cdv/requestCDVAuthentication
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	{ "AccountNumber" : "0123456789", "AccountTypeID" : 1, "BranchCode" : "012345" }

RESPONSE FIELDS

Field Name	Type	Length	Description
Code	N	-	The status code of the request.
Message	S	100	The message regarding the data that was send in.

RESPONSE SAMPLE

Sample for the do CDV check
{ "code": 0, "message": "Account passed CDV." }

LIST ALL SMS MESSAGES (IGNORE: IN PROGRESS OF DEVELOPEMENT)

URL	Provided URL /api/sms/
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1

SEND SMS

This method sends the SMS send request.

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
CellNumber	S	M	10	Cellnumber of the receiver.
ScheduledDateTime	S	O	-	When the SMS must be sent. If not supplied the current datetime will be used of the request.
Message	S	M	max	Content of the SMS. Keep in mind that if more than 160 characters another sms will be sent and so forth.
SmsCallbackUrl	S	O	1000	This url must be provided if the client wants status reports

REQUEST SAMPLE

URL	Provided URL /api/sms/sendSMS
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	<pre>{ "CellNumber": "0748891529", "Message": "Test Sms Message", "ScheduledDateTime": "2018-05-22 11:45:00.000", "SmsCallbackUrl": "http://backserver/SoftyCompBureau/SoftyCompBureauCallbackWCF/SoftyCompBureau Callback.WCF.SoftyCompBureauCallbackService.svc" }</pre>

RESPONSE FIELDS

Field Name	Type	Length	Description
SmsMessageID	N	-	This will be the unique reference for the sms sendrequest.
SmsConversationID	N	-	This will be the unique conversation reference to group an Sms conversation
IsReply	B	-	To specify if this is a reply sms
SmsSendRequestSuccessful	B	-	Indicates whether the request was successful or not

RESPONSE SAMPLE

Sample
<pre>{ "smsMessageID": 579, "smsConversationID": 573, "isReply": false, "smsSendRequestSuccessful": true }</pre>

AVS OPERATIONS

LIST ALL AVS RECORDS

This method allows the user to list all AVS records on his/her profile.

REQUEST SAMPLE

URL	Provided URL /api/avs
Method	GET
Header	Content-Type: application/json

Authorization: **Token Generated with 2.1**

RESPONSE FIELDS

Field Name	Type	Length	Description
RecordID	N	-	The record ID of the request.
RequestedDateTime	D	-	The date time that the request was made.
ResponseDateTime	D	-	The date time that the response was received from the bank.
Message	S	250	The message associated with the request.
SystemReference	S	100	The record system reference used to query the result.
AccountNumber	S	30	The account number that was validated.
BranchCode	S	6	The branch code that was validated.
AccountTypeID	I	-	The account type that was validated.
IdNumber	S	20	The ID number that was validated
Initials	S	10	The initials that was validated.
Name	S	60	The name/surname that was validated.
AcceptDebits	S	100	Check if the account can accept debits.
AccountLength	S	100	Checks if the account is open for longer than 3 months.
AcceptCredits	S	100	Check if the account can accept credits.
BankName	S	100	The bank name for the provided branch code.
BranchName	S	100	The branch name for the provided branch code.
AccountFound	S	100	Indicates is the account was found.
AccountOpen	S	100	Indicates if the account is still open.
AccountTypeMatch	S	100	Indicates if the account type matches.
InitialsMatch	S	100	Indicates if the initials provided matches.
IdNumberMatch	S	100	Indicates if the id number matches.
NameMatch	S	100	Indicates if the name/surname matches.
AccountAcceptDebits	S	100	Indicates if the account can accept debits.
AccountAcceptCredits	S	100	Indicates if the account can accept credits.
AccountLengthMatch		100	Indicates if the account is open of longer than 3 months.
CallBackUrl	S	100	The call back url that the result is send to.
ResponseCode	I	-	The system response code: Successful (0) Pending (1) Technical Error (33)

EmailAddress	S	100	The email address of the account holder.
CellNo	S	10	The cell no of the account holder.
EmailAddressMatch	S	100	Indicates if the email address matches.
CellNoMatch	S	100	Indicates if the cell no matches.

RESPONSE SAMPLE

Sample
<pre>[{ "recordID": 245715, "companyID": 1, "requestedDateTime": "2018-06-08T11:37:55.98", "responseDateTime": "2018-06-08T11:37:58.04", "message": "Response Received", "systemReference": "1AVS201806081137540886", "accountNumber": "1350645379", "branchCode": 470010, "accountTypeID": 2, "idNumber": "8409070858084", "initials": "B", "name": "RAKWELELE", "acceptDebits": "Yes", "accountLength": "Yes", "acceptCredits": "Yes", "bankName": "CAPITEC BANK LTD", "branchName": "CAPITEC BANK CPC", "accountFound": "Yes", "accountOpen": "Yes", "accountTypeMatch": "Yes", "initialsMatch": "Unverified", "idNumberMatch": "Yes", "nameMatch": "No", "accountAcceptDebits": "Yes", "accountAcceptCredits": "Yes", "accountLengthMatch": "Yes", "callBackUrl": "https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCallback.WCF.SoftyCompBureauCallbackService.svc", "responseCode": 0, "emailAddress": "", "cellNo": "", "emailAddressMatch": "Unverified", "cellNoMatch": "Unverified" }, { "recordID": 246465, "companyID": 1, "requestedDateTime": "2018-06-11T08:37:00.23", "responseDateTime": null,</pre>

```

"message": "Record Requested through AVS real time channel",
"systemReference": "1AVS201806110836227125",
"accountNumber": "0123456789",
"branchCode": 12345,
"accountTypeID": 1,
"idNumber": "9010305027087",
"initials": "J",
"name": "Doe",
"acceptDebits": "Yes",
"accountLength": "Yes",
"acceptCredits": "Yes",
"bankName": "Standard Bank of S.A. Ltd",
"branchName": "MENLYN",
"accountFound": null,
"accountOpen": null,
"accountTypeMatch": null,
"initialsMatch": null,
"idNumberMatch": null,
"nameMatch": null,
"accountAcceptDebits": null,
"accountAcceptCredits": null,
"accountLengthMatch": null,
"callbackUrl":
"https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCallback.WCF.SoftyCompBureauCallbackService.svc",
"responseCode": 1,
"emailAddress": "Roelof@softycomp.co.za",
"cellNo": "0722732166",
"emailAddressMatch": null,
"cellNoMatch": null
},
{
"recordID": 246466,
"companyID": 1,
"requestedDateTime": "2018-06-11T08:46:28.27",
"responseDateTime": null,
"message": "Record Requested through AVS real time channel",
"systemReference": "1AVS201806110846324311",
"accountNumber": "0123456789",
"branchCode": 12345,
"accountTypeID": 1,
"idNumber": "9010305027087",
"initials": "J",
"name": "Doe",
"acceptDebits": "Yes",
"accountLength": "Yes",
"acceptCredits": "Yes",
"bankName": "Standard Bank of S.A. Ltd",
"branchName": "MENLYN",
"accountFound": null,
"accountOpen": null,
"accountTypeMatch": null,
"initialsMatch": null,
"idNumberMatch": null,
"nameMatch": null,

```

```

    "accountAcceptDebits": null,
    "accountAcceptCredits": null,
    "accountLengthMatch": null,
    "callBackUrl":
    "https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCallback.WCF.Soft
yCompBureauCallbackService.svc",
    "responseCode": 1,
    "emailAddress": "Roelof@softycomp.co.za",
    "cellNo": "0722732166",
    "emailAddressMatch": null,
    "cellNoMatch": null
  }
]

```

GET AVS RECORD DETAILS

This method allows the user to get the details for a specific AVS record on his/her profile.

REQUEST SAMPLE

URL	Provided URL /api/avs/1AVS201806110846324311
Method	GET
Header	Content-Type: application/json Authorization: Token Generated with 2.1

RESPONSE FIELDS

Field Name	Type	Length	Description
RecordID	N	-	The record ID of the request.
RequestedDateTime	D	-	The date time that the request was made.
ResponseDateTime	D	-	The date time that the response was received from the bank.
Message	S	250	The message associated with the request.
SystemReference	S	100	The record system reference used to query the result.
AccountNumber	S	30	The account number that was validated.
BranchCode	S	6	The branch code that was validated.
AccountTypeID	I	-	The account type that was validated.
IdNumber	S	20	The ID number that was validated
Initials	S	10	The initials that was validated.
Name	S	60	The name/surname that was validated.
AcceptDebits	S	100	Check if the account can accept debits.

AccountLength	S	100	Checks if the account is open for longer than 3 months.
AcceptCredits	S	100	Check if the account can accept credits.
BankName	S	100	The bank name for the provided branch code.
BranchName	S	100	The branch name for the provided branch code.
AccountFound	S	100	Indicates is the account was found.
AccountOpen	S	100	Indicates if the account is still open.
AccountTypeMatch	S	100	Indicates if the account type matches.
InitialsMatch	S	100	Indicates if the initials provided matches.
IdNumberMatch	S	100	Indicates if the id number matches.
NameMatch	S	100	Indicates if the name/surname matches.
AccountAcceptDebits	S	100	Indicates if the account can accept debits.
AccountAcceptCredits	S	100	Indicates if the account can accept credits.
AccountLengthMatch		100	Indicates if the account is open of longer than 3 months.
CallBackUrl	S	100	The call back url that the result is send to.
ResponseCode	I	-	The system response code: Successful (0) Pending (1) Technical Error (33)
EmailAddress	S	100	The email address of the account holder.
CellNo	S	10	The cell no of the account holder.
EmailAddressMatch	S	100	Indicates if the email address matches.
CellNoMatch	S	100	Indicates if the cell no matches.

RESPONSE SAMPLE

Sample
<pre>{ "recordID": 246466, "companyID": 1, "requestedDateTime": "2018-06-11T08:46:28.27", "responseDateTime": null, "message": "Record Requested through AVS real time channel", "systemReference": "1AVS201806110846324311", "accountNumber": "0123456789", "branchCode": 12345, "accountTypeID": 1, "idNumber": "9010305027087", "initials": "J",</pre>

```

"name": "Doe",
"acceptDebits": "Yes",
"accountLength": "Yes",
"acceptCredits": "Yes",
"bankName": "Standard Bank of S.A. Ltd",
"branchName": "MENLYN",
"accountFound": null,
"accountOpen": null,
"accountTypeMatch": null,
"initialsMatch": null,
"idNumberMatch": null,
"nameMatch": null,
"accountAcceptDebits": null,
"accountAcceptCredits": null,
"accountLengthMatch": null,
"callbackUrl":
"https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCallback.WCF.Soft
yCompBureauCallbackService.svc",
"responseCode": 1,
"emailAddress": "Roelof@softycomp.co.za",
"cellNo": "0722732166",
"emailAddressMatch": null,
"cellNoMatch": null
}

```

REQUEST AVS RECORD

This method allows the user to do an AVS check. Please take note that you will be billed per request. Contact Softy Comp for billing and pricing enquiries.

With the AVS you will be required to host a call back service that will receive the response once they are processed and responses are received. Softy Comp will push the response of the request to the call back service via the end-user's choice of communication (SOAP or JSON).

REQUEST FIELDS

Field Name	Type	M/O/C	Length	Description
BranchCode	S	M	6	The account number branch code.
AccountNumber	S	M	21	The account number.
AccountTypeID	I	M	-	The account type id.
IDNumber	S	M	13	The ID Number for the account.
Initials	S	M	3	The initials.
Name	S	M	30	The account holder name/surname.
EmailAddress	S	O	60	The account holder email address.

CellNo	S	O	10	The account holder cell phone number.
CallBackUrl	S	M	100	The call back URL to where the results for the record will be send.

REQUEST SAMPLE

URL	Provided URL /api/avs/requesAvsAuthentication
Method	POST
Header	Content-Type: application/json Authorization: Token Generated with 2.1
Request	<pre>{ "BranchCode" : "012345", "AccountNumber" : "0123456789", "AccountTypeID" : 1, "IDNumber" : "9010305027087", "Initials" : "J", "Name" : "Doe", "EmailAddress" : "Roelof@softycomp.co.za", "CellNo" : "0722732166", "CallBackUrl" : "https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCal lback.WCF.SoftyCompBureauCallbackService.svc" }</pre>

RESPONSE FIELDS

Field Name	Type	Length	Description
RecordID	N	-	The record ID of the request.
RequestedDateTime	D	-	The date time that the request was made.
ResponseDateTime	D	-	The date time that the response was received from the bank.
Message	S	250	The message associated with the request.
SystemReference	S	100	The record system reference used to query the result.
AccountNumber	S	30	The account number that was validated.
BranchCode	S	6	The branch code that was validated.

AccountTypeID	I	-	The account type that was validated.
IdNumber	S	20	The ID number that was validated
Initials	S	10	The initials that was validated.
Name	S	60	The name/surname that was validated.
AcceptDebits	S	100	Check if the account can accept debits.
AccountLength	S	100	Checks if the account is open for longer than 3 months.
AcceptCredits	S	100	Check if the account can accept credits.
BankName	S	100	The bank name for the provided branch code.
BranchName	S	100	The branch name for the provided branch code.
AccountFound	S	100	Indicates is the account was found.
AccountOpen	S	100	Indicates if the account is still open.
AccountTypeMatch	S	100	Indicates if the account type matches.
InitialsMatch	S	100	Indicates if the initials provided matches.
IdNumberMatch	S	100	Indicates if the id number matches.
NameMatch	S	100	Indicates if the name/surname matches.
AccountAcceptDebits	S	100	Indicates if the account can accept debits.
AccountAcceptCredits	S	100	Indicates if the account can accept credits.
AccountLengthMatch		100	Indicates if the account is open of longer than 3 months.
CallBackUrl	S	100	The call back url that the result is send to.
ResponseCode	I	-	The system response code: Successful(0) Pending(1) Technical Error(33)
EmailAddress	S	100	The email address of the account holder.
CellNo	S	10	The cell no of the account holder.
EmailAddressMatch	S	100	Indicates if the email address matches.
CellNoMatch	S	100	Indicates if the cell no matches.

RESPONSE SAMPLE

Sample for the do CDV check
<pre>{ "requestedDateTime": "2018-06-11T08:46:28.27", "responseDateTime": null, "message": "Record Requested through AVS real time channel",</pre>

```

"systemReference": "1AVS201806110846324311",
"accountNumber": "0123456789",
"branchCode": 12345,
"accountTypeID": 1,
"idNumber": "9010305027087",
"initials": "J",
"name": "Doe",
"acceptDebits": "Yes",
"accountLength": "Yes",
"acceptCredits": "Yes",
"bankName": "Standard Bank of S.A. Ltd",
"branchName": "MENLYN",
"accountFound": null,
"accountOpen": null,
"accountTypeMatch": null,
"initialsMatch": null,
"idNumberMatch": null,
"nameMatch": null,
"accountAcceptDebits": null,
"accountAcceptCredits": null,
"accountLengthMatch": null,
"callbackUrl":
"https://score.softycomp.co.za/SoftyCompBureauCallbackWCF/SoftyCompBureauCallback.WCF.Soft
yCompBureauCallbackService.svc",
"responseCode": 1,
"emailAddress": "Roelof@softycomp.co.za",
"cellNo": "0722732166",
"emailAddressMatch": null,
"cellNoMatch": null
}

```

TABLE TYPES AND DEFINITIONS

CLIENT STATUS TYPES	
ID	Description
0	Inactive
1	Active

CLIENT TYPES

ID	Description
1	Company
2	Individual

ADDRESS TYPES

ID	Description
1	Street
2	Postal
3	P/Bag
4	Post net Suite

COLLECTION STATUS TYPES

ID	Description
1	Active
2	Inactive
3	Expired
6	Arrears
7	Suspended

COLLECTION FREQUENCY TYPES

ID	Description
1	Once-Off
2	Monthly
3	Yearly
4	To Collect Amount

COLLECTION METHOD TYPES

ID	Description
4	EFT
5	Naedo

ACCOUNT TYPES

ID	Description
1	Cheque

2	Savings
3	Transmission
4	Bond
6	Subscription/Share

NAEDO TRACKING CODES

ID	Description
12	0 Days
13	1 Day
14	3 Days
15	7 Days
16	14 Days
17	21 Days
18	32 Days
19	2 Days
20	4 Days
21	5 Days
22	6 Days
23	8 Days
24	9 Days
25	10 Days

GENERATION TYPES

ID	Description
1	Normal
2	Arrear
3	Resubmission
4	Manual Entry
5	System Entry

TRANSACTION TYPES

ID	Description
1	Cash
2	Cheque

3	Credit Card
4	Debit Order
5	NAEDO
6	Home back
7	Unpaid
8	Arrear Collection
9	Credit Note
10	Negative Entry