



TrackWizz CKYC Search API A80 Document Version 1.4

PREPARED DATE

06th August 2022

A. OVERVIEW

API Objective

This Restful API helps on-boarding FI applications to consume and search for customers in CKYC Repository. These FI applications will request A80 API with specific customer identification details in the following XML format and TrackWizz will then subsequently request CERSAI for the information. All the API requests and responses will be end to end encrypted. FI applications to hit a single request at a time.

NOTE : To know more about CKYC , Please visit the below link:

<https://www.youtube.com/watch?v=pqSduYudQLo>

Resource URL

Sandbox URL: <https://apisandbox1.trackwizz.com/a80/search>

NOTE : Make sure to whitelist the above URL in your environment before using it.

Resource Information

Request & Response Format : XML

Request Type : POST

B. API Request Details

Colour	Indications
	Header of the Table
	Mandatory Fields

Request Parameter Description

Request – Main

Field Name / XML Tag	Mandatory	Data Type	Length	Remarks
ApiToken	Yes	String	60	Static Value will be shared by the TrackWizz team during implementation.
SessionKey	Yes	String		Each request gets encrypted using two types of encryption. First, the data will get encrypted using a symmetric session key, this key will be unique for each request. This key will also be sent with the request after encrypting it using an asymmetric key.
RequestData	Yes	Complex		This field contains encrypted customer details given by FI.

Request Data Fields

Field Name / XML Tag	Mandatory	Data Type	Length	Remarks
RequestId	Yes	String	60	A request identifier given by FI.
ApplicationRefNumber	No	String	60	To recognize the application from which the request is being initiated.
ParentCompany	Yes	String	60	It is a unique & Static value given by TW, for authentication of the FI.
Tags	No	String	2000	Additional field to add remarks in request.

InputIdType	Yes	String	1	Customer Identity Details given by customers to FI for searching the records in CKYC. Refer Table 1.1 for more details.
InputIdNo	Yes	String	60	Identification number given in the request by customers to FI based on the above given ID.
FirstName	No	String	150	First Name of the customer given by FI. <ul style="list-style-type: none"> • Mandatory for InputIdType E (Aadhar).
MiddleName	No	String	50	Middle Name of the customer given by FI. <ul style="list-style-type: none"> • Mandatory for InputIdType E (Aadhar).
LastName	No	String	50	Last Name of the customer given by FI. <ul style="list-style-type: none"> • Mandatory for InputIdType E (Aadhar).
DateOfBirth	No	String	10	Date Of Birth of the customer passed in the request by FI. <ul style="list-style-type: none"> • Mandatory for InputIdType E (Aadhar). • Should not be current date or future date and should be in the format DD-MM-YYYY E.g :- 16-05-2022
Gender	No	String		Specified Gender of the customer in the request by FI. <ul style="list-style-type: none"> • Mandatory for InputIdType E (Aadhar). Refer Table 1.2 for more details.

Request Enumeration Table Lists

Table 1.1- Possible IDTypes

IDType	Description	Character	Data Type Allowed	Example
A	Passport	20	String	L7622463
B	Voter ID	20	String	UTC875654
C	PAN	10	String	DCVPM4582S
D	Driving License	20	String	MH013456
E	Aadhar Card Number	04	String	XXXX XXXX 4323 (Last Four Digits)
F	NREGA Job Card	40	String	233423
Z	CKYC Identifier	14	String	30078420558947
G	National Population Register Letter	20	String	908979

Table 1.2- Gender Category

Gender	Description
M	Male
F	Female
T	Transgender

C. API Response Details

Response Parameter Description

Response – Main

Field Name	Mandatory	Data Type	Length	Remarks
RequestStatus	Yes	String	60	Request Status given by TrackWizz. Possible Values: <ul style="list-style-type: none"> AcceptedByTW RejectedByTW
RequestRejectionCode	No	String	60	A rejection Code given due to request failure given by TrackWizz. Refer Table 1.9 for more details.
RequestRejectionDescription	No	String	500	Reason for request failure given by TrackWizz. Refer Table 1.9 for more details.
SessionKey	No	String		Each response gets encrypted using two types of encryption. First, the data will get encrypted using a symmetric session key, this key will be unique for each response. This key will also be sent with the response after encrypting it using an asymmetric key.
ResponseData	No	String		This field contains encrypted customer details given by CKYC.

Response Data

Field Name	Mandatory	Data Type	Length	Remarks
RequestId	Yes	String	60	Request identifier given in the request by FI.
CKYCStatus	Yes	String	60	Status to the FI request given by CKYC API. Possible Values : <ul style="list-style-type: none"> CKYCSuccess CKYCRejected
CKYCRejectionDescription	No	String	300	Reason for the request failure given by CKYC API.

tion				Refer Table 1.10 for more details.
ApplicationReference Number	No	String	60	To recognize the application from which the request is being initiated.
Tags	No	String	2000	Same string will be given that was passed in the request.
CKYCAvailable	No	String	10	KYC details of the requested customers are present or not. Possible Values : <ul style="list-style-type: none"> • Yes • No
CKYCID	No	Number	14	A unique 14- digit identification number assigned by CERSAI to the Individuals / Legal Entities.
CKYCName	No	String	158	Full Name of the customer as per CKYC response.
CKYCAge	No	String	3	Age of the customer as per CKYC response.
CKYCFatherName	No	String	158	Father's Name of the customer as per CKYC response.
CKYCPhotoImageType	No	String	5	Extension of the photograph given by CKYC.
CKYCGenDate	No	String	10	Date when the customer got registered at CKYC. The date will be in this format DD-MM-YYYY E.g. 16-05-2022
CKYCPhoto	No	String		Photograph of the customer given in Base 64 Encoded String format.
CKYCRequestID	No	String	8	Request Identifier will be auto generated by TrackWizz .
CKYCRequestDate	No	String	10	Date when we Search for customers data in the CKYC repository. The date will be in the format DD-MM-YYYY E.g. 16-05-2022
CKYCUdateDate	No	String	10	Date when the customer details are last updated in CKYC. The date will be in this format DD-MM-YYYY
CKYCRemarks	No	String	200	Remarks Given by CKYC
CKYCPhotoBytes	No	String		Photograph of the customer given in Base 64 Encoded String format.
CKYCAvailableIDType	Yes	String	2	These are customer IDs available in CKYC Response.

				Refer Table 1.8a for Individual
CKYCAvailableIDTypeStatus	No	String	2	Status of the Identification details present in the CKCY response. Possible values are : <ul style="list-style-type: none"> • 01-Verified • 02-Unverified • 03-Unverifiable (It shows the status of the sent ID parameter from CKYC)
CKYCIDRemarks	No	String	300	Remarks given by CKYC for available IDs

Response Enumeration Table Lists

Table 1.8a - CKYCAvailableIDType

IDType	Description	Character	Validation	Data Type Allowed
A	Passport	20		String
B	Voter ID	20		String
C	PAN	10	First 3 digits any alphabet, 4th digit from these-ABCFGHJLPT, 5th digit any alphabet, 6th to 9th digit any number and last digit any alphabet.	String
D	Driving Licence	20		String
E	Aadhar Card Number	04	Four digit Aadhar Card Number(Last four digit)	String
F	NREGA Job Card	40		String

G	National Population Register Letter	20		String
H	E-KYC Authentication	12		String
I	Offline Verification of Aadhaar	12		String
Z	CKYC Identifier	14		String

Table 1.9- Request Rejection codes

Rejection Code	Description
RC791	This error code will be used to validate the field ApiToken. if this field has no value then this error code will be given.
RC792	This error code will validate whether the API Token passed in the request is valid and generated from TrackWizz or not.
RC793	This error code will validate whether the user whose API Token has been passed in the request has access to A50 API or not.
RC794	This error code will be used to validate the field Request ID. if this field has no value then this error code will be given.
RC795	This error code will be used to validate if the value passed in the field Request ID is greater than 60 string or no.
RC797	ParentCompany is Mandatory.
RC798	Parent Company is not recognized or missing.
RC799	This error code will be used to validate if the value passed in the field ApplicationFormNo is greater than 60 string or no.

RC800	This error code will be used to validate InputIdType. If this field has no value then this error code will be given.
RC801	This error code will be used to validate if the value passed in InputIdType is as per the TrackWizz Code or not.
RC802	This error code will be used to validate InputIdNumber. If this field has no value then this error code will be given.
RC803	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 20 string or not for InputIdType A.
RC804	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 20 string or not for InputIdType B.
RC805	This error code will be used to validate if the value passed in the field PAN is greater than 10 string or no for InputIdType C.It also validates whether First 3 digit any alphabet, 4th Digit, 5th digit any alphabet, 6th to 9th digit any number and last digit any alphabet.
RC806	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 20 string or not for InputIdType D.
RC807	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 20 string or not for InputIdType F.
RC808	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 14 string or not for InputIdType Z.
RC809	This error code will be used to validate the date passed in the field DateOfBirth is as per the format DD-MM-YYYY or not when search is being done for InputIdType E.
RC810	This error code will be used to validate whether the date passed in field DateOfBirth is lesser than current date or not when search is being done for InputIdType E.
RC811	This error code to check if value is provided to the DateOfBirth or not when search is being done for InputIdType E.
RC812	This error code will be used to validate the value passed in the field Gender is as per TrackWizz Enum/List or no when search is being done for InputIdType E.
RC813	This error code to check if value is provided in the field Gender or not when search is being done for InputIdType E.
RC814	This error code will validate if value is provided in either one of the fields FirstName or MiddleName or LastName or not when search is being done for InputIdType E.
RC815	This error code will be used to validate if the value passed in the field FirstName is greater than 50 string or not for InputIdType E.
RC816	This error code will be used to validate if the value passed in the field MiddleName is greater than 50 string or not for InputIdType E.

RC817	This error code will be used to validate if the value passed in the field LastName is greater than 50 string or not for InputIdType E.
RC818	This error code will validate that the length of the field InputIdNumber should be 4 digits only when search is being done for InputIdType E.
RC819	This error code to check if the value provided in the field InputIdNumber is numeric only when search is being done for InputIdType E.
RC820	This error code will validate if any spaces or special characters apart from apostrophy are available in the field FirstName when search is being done for InputIdType E.
RC821	This error code will validate if any spaces or special characters apart from apostrophy are available in the field MiddleName when search is being done for InputIdType E.
RC822	This error code will validate if any spaces or special characters apart from apostrophy are available in the field LastName when search is being done for InputIdType E.
RC825	This error code will be generated if the request signature is not verified by the TW.
RC823	This error code will be used to validate if the value passed in the field InputIdNumber is greater than 20 string or not for InputIdType G.
RC826	This error code will be generated in case of some exception from CKYC.
RC827	This error code will be generated in case of some exception from TrackWizz.
RC829	This error code will be thrown if there are any special characters present in the input parameters.

Table 1.10- Rejections from CKYC

Serial Number	Error Message
01	Digital signature cannot be verified. The certificate is expired.
02	Validation failure
03	Request Id should not exceed more than 8 digits
04	Request Id is not unique throughout the day for an FI.
05	Institution does not exists
06	No records found
07	Time difference should be less than 5 minutes
08	Please configure your IP address.

09	The given IP does not match with the institution's registered IP.
10	Session Key Decryption error. Please encrypt with correct public Key
11	PID Data Decoding error
12	Invalid Date-Time Stamp. The format is dd-MM-yyyy hh:mm:ss
13	Please enter version number
14	KYC Number should be of length 14 digits
15	KYC Number <<KYC_NO>> does not exists in system
16	Please enter individual KYC number

D. Encryption & Decryption Steps

Request Encryption Steps

Following are the steps to be followed for encryption

1. Generate a Session Key of 256 bit.
2. Encrypt the data using AES (Symmetric Algorithm) using the above generated Session Key
3. Encode the above encrypted data to Base64 string. Example: The above sample data would look like following: f86EzPWUEaqwTEAMyfrjANBgkqhkiG9w0BAQsFADCbkzr2ZLVncZb3u
4. Encrypt the session key using Public Key of the Receiver, using RSA (Asymmetric Algorithm)
5. Encode the above encrypted Session Key to Base64 string.
6. Add this encrypted and encoded data and Session Key to the request XML.
7. Using the Private Key of the Sender, sign the entire request XML. The request of A83 API will look like following

Response Decryption Steps

Consider the following response for the above request made to a system

```
<?xml version="1.0" encoding="utf-16"?>
<A66SearchInCkycRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<ApiToken>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUIkIjoiOSIsIlVzZXJlIjoiVGZvdDEwN
SIsIkVudGkiOiJ1Zl1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUIkIjoiOSIsIlVzZXJlIjoiVGZvdDEwN
SIsIkVudGkiOiJ1Zl1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUIkIjoiOSIsIlVzZXJlIjoiVGZvdDEwN
eVVuaXF1ZUlkIjoiVGZvdDEwNStlZl1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUIkIjoiOSIsIlVzZXJlIjoiVGZvdDEwN
QiOiJlZl1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUIkIjoiOSIsIlVzZXJlIjoiVGZvdDEwN
Q29tcGFu
</ApiToken>
<SessionKey>hJB8BwAZZlLyuHGC9MHtdQSgiGgEe9EE0gjOjJUiwrhASknQzafoK3beY5X2Ta87TP9gQERG1V
D9hVif+56DwP9/A2CeLgCaTeDHkcK4+HYQqQHStf1Vj3dlXQ0D1iygnuJaQ23Bn+mhryWpk4LzdHhUdwPO
UGLriXCqBVZffCkb86AsLg8CKHQDyy3BUPet7EHh6dscd4qe659H1zgx17HAr6t2FviEKrquRgqtnJNfEqoGb5
Rri9Garz8bey4FQT8lC3kiD/n1KYsNlITRutXhtwRnqWrVO1STFPYt2ehB29x3eS+ghHTV/I998guTAUo
1trpK+fXuG9unR2icw==</SessionKey>
<RequestData>mfeZo+dvdGCBRqJpHH+HG9pIviYpnTdxETH4alzNGJl6GYue3OpP+6+CLP7Yi67BlrnvomFleh
MBXLdVYei8Jaugq8TtaxysVbSCBPbeCc8t2r9Cr+Q7yPv6nH4RyJyx1ZP60pNv/ENG1P8ZW1BBtu/vZrtouYf/X
lvMhiUmXEtJ//kiBJHx2oE0PbL7GqBIWdxZ2Ejr6K2QDLeHn0btc/fEYya1oMY/3gbzPOi2TAn+PHNnBSIX1rsIj
dyZqWtNtlOuwn3lr+o/cjf3P9cAN/8kAxfmZqUiswKbBKXLHuBCHYCiaLmrcy16oZOVsfXBoYG0V/1yiOO
HV/iK9e8zu02yraNtKr6nH9CmEUGfF8OR+qJ/peZTeE3QqH+GQNuH5BkbwtU/lcq3Set02Fd/81SGJJ7SIRui+
```

HKglZcxrFxcKtnrMgZd434lsFUlp0Uzu5oQTmlR3DYL1gjnR9G7LEsfT0M9tHXTD3g6f92IGxvLskuzVdDieD44
V7TGoWN795rEdUzTcF4zkNWSPxHnYnj/7nl3//ZJWvsQbnf6Qx8V36jHUnLTvBRw1tnaadfnqiHFwEvpIPq75
PmeSr7GGVYWES97dTodx8tT/A68F8akFuH1mNuDNbVrlja4elVxXNs1a29TXV5g7CNoKh00cxVJrmHST+S
sj7ZxynaMRyKG/J4r4YyZT736XtXS0B8sWYmhVHjOPHwK446dWQ==</RequestData>
<Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
<SignedInfo><CanonicalizationMethod
Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315" /><SignatureMethod
Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" /><Reference
URI=""><Transforms><Transform
Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"
></Transforms><DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"
><DigestValue>PzWlo8o3LTrZk4v8O1HqDURsfsk=</DigestValue></Reference></SignedInfo><Signature
Value>ITAbenbqQU+SKI7xhfjy85iT2mjab5/XRWV/V/RYN0Eb8lLn5d+huUjsFoPpLgW9p2dL990vnRx6cAZ4
H+l6MYUlzhDgy9mfKjsZTA63xp2dBvKOHF3fzUVetgot5ZC9gevdYMtAN/O9nhtYl5zPYKAuOs1gAWnNFAh0
cpmDRJNTVR0aGHQdzvpEEIH+4l94Tb7SIFEJDixwvl4gAqOVom8kYtjgBUzG/BhQLRyPpQs0lghan5Xzuzc25
ONHck3dKgBE0gSllWv60izaloJDTj1xupXwym4tyc5cJOp41C0xGs7+vsc+xaT50DQfZyw186JpZyO4vziR
0OrH1lJg==</SignatureValue><KeyInfo><X509Data><X509SubjectName>CN=SAGAR CHANDRAKANT
TANNA,SERIALNUMBER=8c5b2ed5ea341e9a890f9582d9b413c98c7561f1e3da51dd5c0efca6beff0ad3,
OID.2.5.4.51="KAMALA MILL COMPOUND,710, TRADE WORLD C WING, SENAPATI BAPAT MARG, LOWER
PAREL WEST, MUMBAI CITY, MAHARASHTRA", STREET=MUMBAI CITY, S=MAHARASHTRA,
PostalCode=400013, OU=DIRECTOR, O=TSS CONSULTANCY PRIVATE LIMITED,
C=IN</X509SubjectName><X509Certificate>
MIIglzCCBX+gAwIBAgIEAR3GGDANBgkqhkiG9w0BAQsFADCbkzELMAkGA1UEBhMCSU4xKjAoBgNVBAoTI
WVNdW RocmEgQ29uc3VtZXlglU2VydmljZXMgTGltXRIZDEdMBsGA1UECxMUQ2VydGlmeWluZyBBdXR0b
3JpdHkxOTA3BgNVBAMTMGUtTXVkaHJhIFN1YiBDQSBDDBGFzcYAyIGZvciBEb2N1bWVudCBTaWduZXlglMjA
xND AeFw0yMDA xzMTlwOTM3MjNaFw0yMTA zMTlwOTM3MjNaMIIIBbDELMAkGA1UEBhMCSU4xKDAmb
gNVBAoTH1RTUyBDT05TVUxUQU5DWSBQUkIWQVRFIExJTUIURUQxETAPBgNVBA sTCERJUKVDVE9SMQ8
wDQYDVQQREwY0MDAwMTMx FDASBgNVBAgTC01BSEFSQVNIVFJBMRQwEgYDVQQJEw tNVU1CQUkgQ0I
UWTF2MHQGA1UEMxNtS0FNQUxvBIE1JTEwgQ09NUE9VTkQsNzEwLCBUUkFEzRSBXT1JMRCBDIFdJTkcslF
NFTkFQQVRJIEJBUeFUIE1BUkcsIEXPV0VSIFBBUkVMIFdFU1QsIE1VTUJBSSBDSVRZLCBNQUhBUkFTSFRSQT
FJMEcGA1UEBRNAOGM1YjJlZDVIYTM0MwU5YTg5MGY5NTgyZDliND E zYzk4YzclNjFmMwUzZGE1MWRkN
WMwZwZjYTZiZWZmMGFkMzEgMB4GA1UEAxMXU0FHQVlgQ0hBTkRSQUtBTlQgVEFOTkEwgEiMA0GCS
qGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQDWCR4L8+VZM/kFzeEHfcVYt4g8y/WVd45AYsh714WQGCPsm
Pi3w3C9rBOOq6rGP0rMo03t6jwT2zFwCTfBwWxAhEINBbL9VeKp2nCGwxcU5sLVqsJ0MeLpEzPfeGxpz2V3
kfg0fplxboSmp79/pzS3jjZVfu7Qqpbjtrtqj+mwGiE/pcM9cHgvcBLi0TJ3+ptpdz44FJ8JRjMjU9TAHmfag36RN
y8FZE9W0KDVG49zUqMdBB5EWDSqK8fFQ4hTzd72vcwXaR+7ivT0LhYoW/rkThBqmMfaDGYi78upEy0H96
VFf2YBYSQKh8zkzT+uws/+sBcsCZzgbjqBk8oBjDmtAgMBAAGjggIVMII CETATBgNVHSMcEDDAKgAhNpkTIp
ulACDAdBgNVHQ4EFgQUej1EUgswJ+t2MMsoNLQLUiwL4pgwDAYDVR0TAAQH/BAlwADAObgNVHQ8BAf8E
BAMCBsAwKgYDVR0IBCmwlQYKKwYBBAGCNwoDDAYJKoZIhvcvAQEFBgggBgEFBQCDAjCB0gYDVR0gBIHK
MIIHMC0GBmCCZGQCAjAjMCEGCCsGAQUFBwIwCMBUaE0NsYXNzIDlgQ2VydGlmaWNhdGUwRAYGYljkZA
oBMDowOAYIKwYBBQUHAgIwLBoqT3JnYW5pc2F0aW9uYw9uYWwgRG9jdW1lbnQgU2lbnmVyiENlcnRpZmljYX
RIMFAGB2CCZGQBCAlwRTBDBgggBgEFBQCcARY3aHR0cDovL3d3dy5lLW11ZGhyYS5jb20vc mVwb3NpdG9
yeS9jcHMvZS1NdWRocmFfQ1BTLnBkZjB3BgggBgEFBQcBAQRrMGkwJAYIKwYBBQUHMAggGGGh0dHA6Ly9
vY3NwLmUtbXVkaHJhLmNvbTB BBgggBgEFBQCwAoY1aHR0cDovL3d3dy5lLW11ZGhyYS5jb20vc mVwb3Np
dG9yeS9jYWNIcnRzL2RvY2NsMi5jcnQwQwYDVR0fBDwwOjA4oDagNIYyaHR0cDovL3d3dy5lLW11ZGhyYS5
jb20vc mVwb3NpdG9yeS9jcmxzL2RvY2NsMi5jcmwwDQYJKoZIhvcvNAQELBQADggEBABwGG3WM6o9KWT
0h3HMoCJO6c0BaDGI2nfkTEKPSVpox1IT8a//hYj2gpCgt2NdqrcU5dL1eBaubHG9hSHmSCQorYIDpLQIJapsv
r4efc3ZU2BP+FocEv9pMsrwgJyLB9QA5B9z0NRMtIn8NIVErXo6kQv/tB9FE30SJmtPO3ESsi/Fs28PvYrQw9B

```

b1sdsS1zz/yWC/bogmSkXCzeEQEt6RuWCmdphkfMUN86H6OUMSK0y5ZQtCF8BDwGOskFkh0Ts07AS0mU
oEcT/DCQi3rrKQYU3WrusRpaJlWmQ2GFIT4TimWPTTKD+yYJTdRRLrwFkWiEtQvQrgshwfMZr0qc=
</X509Certificate>
</X509Data>
</KeyInfo>
</Signature>
</A66SearchInCkycRequest>

```

Following are the steps to decrypt and read the response:

1. Verify the signature in Response XML using Public Key Present at Sender's
2. Decode the Session Key from the Response XML.
3. Decrypt the above Session Key by Receiver's Private Key using RSA (Asymmetric Algorithm)
4. Decode the data in Response XML.
5. Decrypt the data by Session Key (derived from above) using AES (Symmetric Algorithm).

E. Sample Request and Response

A. Request XML Table

Sr. No.	XML - Type	Example
1	Plain Request	Refer XML A1
2	Main Encrypted Request	Refer XML A2
3	Signed Encrypted Request	Refer XML A3

A1. Sample Decrypted Request Data XML

```

<?xml version="1.0" encoding="utf-16"?>
<A66RequestData
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <InputIdType>Z</InputIdType>
  <InputIdNo>30028091745022</InputIdNo>
  <DateOfBirth>12-03-1995</DateOfBirth>
  <RequestId>12</RequestId>
  <Tags>TW01</Tags>
  <ParentCompany>AAAAA8597P</ParentCompany>
  <ApplicationRefNumber>appref123</ApplicationRefNumber>

```

```
<FirstName>XYZ</FirstName>
<MiddleName>XYZ</MiddleName>
<LastName>XYZ</LastName>
<Gender>M</Gender>
</A66RequestData>
```

A2. Sample Request Main Body - Encrypted XML

```
<?xml version="1.0" encoding="utf-16"?>
```

```
<A66SearchInCkycRequest
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
<ApiToken>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsY3IiOiJlIiwiaWF0IjoiVGZvdDEwNSIsIkVudG9hVif+56DwP9/A2CeLgCaTeDHkcK4+HYQqQHiStf1Vj3dIXQ0D1iygnuJaQ23Bn+mhryWpk4LzdHhUd
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```

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1trpK+fXuG9unR2icw==</SessionKey>
```

```
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```


A5. Sample Request Signed Request

<?xml version="1.0" encoding="utf-16"?>

<A66SearchInCkycRequest

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xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ApiToken>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJFbXBsb3llZUlkljoiOSIsIlVzZXJuYW1lIjoiVGZvzdDEwNSIsIklkLjQ2ZSI6IklOMDM0NiIsImlzcyI6IHRyYWNrd2l6elNlcnZpY2UiLCJhdWQiOiJlbnV3ZW50In0.ImRg8AN5ZSMY-T8bwZ_37bFykoCnL7GmeW4Qc3s_J9I</ApiToken>

<SessionKey>hJB8BwAZZILyuHGC9MHtdQSgiGgEe9EEogjOjJUiwrhASknQzafoK3beY5X2Ta87TP9gQERG1VD9hVif+56DwP9/A2CeLgCaTeDHkcK4+HYQqQHiStf1Vj3dlXQ0D1iygnuJaQ23Bn+mhryWpk4LzdHhUdWPOUGLriXCqBVZffCkb86AsLg8CKHQDyy3BUPEt7EHh6dsd4qe659H1zgx17HAr6t2FviEKrqRgqtnJNfEqoGb5Rri9Garz8bey4FQT8lC3kiD/n1KYsNlITRutXHtwRnqWrVO1STFPYt2ehB29x3eS+ghHTV/I998guTAUo1trpK+fXuG9unR2icw==</SessionKey>

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CN=www.abc.com, OU=Software, O=ABC Consultancy Private Limited, L=Mumbai, S=MH,
C=IN</X509SubjectName><X509Certificate>MIIENTCCAx2gAwIBAgIUET81ZJ5/d5s6fzF0zffQPKcKUg0wDQYJK
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B. Sample Response XML

Sr. No.	XML Type	Get Record Type	Example
2	Success Decrypted Response	IND	Refer XML B2
6	Rejected By TW Response - with Signature	IND, LE, Both	Refer XML B3
7	Rejected By TW Response - without Signature	IND, LE, Both	Refer XML B4
8	Rejected By CKYC Encrypted Response	IND, LE, Both	Refer XML B5
9	Rejected By CKYC Decrypted Response	IND, LE, Both	Refer XML B6

B1. Success Encrypted Response -

```
<?xml version="1.0" encoding="utf-16"?>
```

```
<A66SearchInCkycResponse
```

```
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```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
<SessionKey>
```

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```

```
<RequestStatus>AcceptedByTW</RequestStatus>
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OID.2.5.4.51="KAMALA MILL COMPOUND,710, TRADE WORLD C WING, SENAPATI BAPAT
MARG,LOWER PAREL WEST, MUMBAI CITY, MAHARASHTRA", STREET=MUMBAI CITY,
S=MAHARASHTRA, PostalCode=400013, OU=DIRECTOR, O=TSS CONSULTANCY PRIVATE
LIMITED, C=IN
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B2. Success Decrypted Response -

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rtW5t6nD3Zio1lwqPLLhKMaqdaCjRfmyi5L0ny5onwBXqu7OalGg508vlqbVKSeSpUcnCladqcVeyTzW0
NmpsNsRoq3Ty2nlgqUI5U4ZW6jc2pKzeiUSYAEbsfZfA4jcoynNpvJGVOKUVZJ Jyk/iSQAAAAAAB//Z
</CKYCPhoto>
<CKYCRequestId>17351</CKYCRequestId>
<CKYCRequestDate>22-Dec-2020</CKYCRequestDate>
<CKYCUUpdatedDate>26-Nov-2020</CKYCUUpdatedDate>
<CKYCPhotoBytes>
/9j/4AAQSkZJRGAQAQAQAQAQAAD/2wCEAAkGBxAQEHSEhAWERgQFRlQEG8PEhcQFREWFxUXFR
UYHSGgGBolGxUTijEhJSorLi4uFx8zODMtNygtLisBCgoKDg0OGxAQGyShSEtLS0tLS01Ly0rLS0tNS0tLy0uL
C0tLTctLS0tLS0tNy0tLS0tLSsrLSstLTgtKys3OP/AABEIAOkA2AMBIgACEQEDEQH/xAAcAAEAAgIDAQAAAA
AAAAAAAAAABQYDBAECBwj/xABEEAACAQIDBAQLBQYEBwAAAAAAAAQIDEQSQIUGeZFBuWHRBxYiM
INxgZGhosEUIOKSsTNSYnKCwhVzsuEXJCWDk9Lw/8QAGwEBAAMBAQEBAAAAAAAAAAAAAAAAAAEDBAIFBgf
/xAAneEQEAAGIBBAICAQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA4bKzvVvzg9nvzhk6le11RpJSmu
pzfKC9bPlsd4Rdq1b2xHBT6KFOkrdl5KTfrA9u2pvlGsk8tfEUqcueWU1m/KtTnZ28mCxDy0cTR0007PrWjL
ep6WuaPPv6cYOotinx6XMENgNs8o1fvnX1X1JbiRtmsuvO99PefP5enyYp1aHtYs1MkbrLuo0alOi20rL72
svA AAAAB//Z</CKYCPhotoBytes>
<CKYCRemarks />
<CKYCIDDetails>
<ID>
<CKYCAvailableIDType>C</CKYCAvailableIDType>
<CKYCAvailableIDTypeStatus>03</CKYCAvailableIDTypeStatus>
<CKYCIDRemarks />
</ID>
<ID>
<CKYCAvailableIDType>E</CKYCAvailableIDType>
<CKYCAvailableIDTypeStatus>03</CKYCAvailableIDTypeStatus>
<CKYCIDRemarks />
</ID>
<ID>
<CKYCAvailableIDType>H</CKYCAvailableIDType>
<CKYCAvailableIDTypeStatus>03</CKYCAvailableIDTypeStatus>
<CKYCIDRemarks />
</ID>
<ID>
<CKYCAvailableIDType>I</CKYCAvailableIDType>
<CKYCAvailableIDTypeStatus>03</CKYCAvailableIDTypeStatus>
<CKYCIDRemarks />
</ID>
</CKYCIDDetails>
</A66ResponseData>

B3. Rejected By TW Encrypted Response with Signature

```
<?xml version="1.0" encoding="utf-16"?>
<A66SearchInCkycResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <RequestStatus>RejectedByTW</RequestStatus>
  <RequestRejectionCode>RC805</RequestRejectionCode>
  <RequestRejectionDescription>RC805 : PAN is incorrect.The expected format is 5 characters, 4 numbers
and 1 character.</RequestRejectionDescription>
  <Signature xmlns="http://www.w3.org/2000/09/xmldsig#"><SignedInfo><CanonicalizationMethod
Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315" /><SignatureMethod
Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256" /><Reference
URI=""><Transforms><Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"
/></Transforms><DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"
/><DigestValue>x0K4jgSwXOe46X9F4/AgioUF3Jvfbjp/TJKnTrKaET0=</DigestValue></Reference></SignedInf
o><SignatureValue>rKVv6DuAUFnqLvi3qYqynkTs9VGHHS44hg7Yd6oUa6oOZC5wGV7maytz4UIHio+EDsOygz
Sd7iPHiMbUczLp7oSgXWqP+PDBUhaPvYz9Fe4wksOEQR1wz9fDdmjdFE1s3S7Zign530NixefM5iD8yUkIOtEqw
rHrzU1PahlXU7qEPeLxb+dvRrybamy/6qQUNqStFi7sR72IKMjVnDDBIZFEHudt3F7DcbsbXyy/N3rpUGsXHV6zU
KyYTWtdYh2ljYN9X8vQ==</SignatureValue><KeyInfo><X509Data><X509SubjectName>E=support@tsscons
ultancy.com, CN=www.tssconsultancy.com, OU="Software ", O=TSS Consultancy Private Limited, L=Mumbai,
S=Maharashtra,
C=IN</X509SubjectName><X509Certificate>fb0el1PEKAjs1dnVpgAT4LKXDTiFBTnxLQ9hPTbPdbdY2rudS7vGH
BZ9tOH/a5KCe5or8rZyAqxDJkgxQadhgsxHosBKsDmUY6UfXJzOHAvVcaSrsFntYVNncyfGKlZA==</X509Certific
ate></X509Data></KeyInfo></Signature></A66SearchInCkycResponse>
```

B4. Rejected By TW Response without Signature

```
<?xml version="1.0" encoding="utf-16"?>
<A66SearchInCkycResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <RequestStatus>RejectedByTW</RequestStatus>
  <RequestRejectionCode>RC792</RequestRejectionCode>
  <RequestRejectionDescription>RC792 : Invalid API Token or API Token is not
recognized.</RequestRejectionDescription>
</A66SearchInCkycResponse>
```

B5. Rejected By CKYC Encrypted Response

```
<?xml version="1.0" encoding="utf-16"?>
<A66SearchInCkycResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <RequestStatus>AcceptedByTW</RequestStatus>
```

<SessionKey>qOYt4A/jOsuPObCcpjGndoHxEbQI40f8LxBk/bRakUvcJ2hEq77Uu4Qq1PPMd/bKOjXArk==</SessionKey>

<ResponseData>KysWAMP3Iur42fk5oSORac2HNuF+aTwWq0aYihQXBGdhn+6VfCWQYEnlutTFqTiabQBxjn6SJjAGI1khsi954P1IVtKxSBqste9TIX++Q5Vmwg76lbly</ResponseData>

<Signature xmlns="http://www.w3.org/2000/09/xmldsig#"><SignedInfo><CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315" /><SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256" /><Reference URI=""><Transforms><Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" /></Transforms><DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" /><DigestValue>CCRUS8C/x2gqLZNqdFgfkz77T7oAukxnrxNQ3IyuaDA=</DigestValue></Reference></SignedInfo><SignatureValue>R7bXbuLhd/Jo74jGu7hfliC+ad+btZuEwJLJ4+0WwUeAWJXdpclqiSz/vqTZaVg0DIAFT5z/s23CO3wB9hPHtjNrN5ZcrAmWltFtzV6NKY+10Brroe7Oz44vCqCDjilJ+hDRHXztTelMszONns0PBAqlqwUY/w9aUdcG/LSttFFgEKeERJry69IpxaX5TIU5GIUsLoelRmjSMBYjsXIAItrQxRJKoQLlpT1tMB0Jm2lgFaG7c8uknDp3dj b+XoOE7MATxIbzfYGzeuW332uBSJj39eX4u7DgnOwK0XpuJeljW6UuO7QJZZeZuvs3W0tx166EEjwJBsp5cAdpP suA==</SignatureValue><KeyInfo><X509Data><X509SubjectName>E=support@tssconsultancy.com, CN=www.tssconsultancy.com, OU="Software ", O=TSS Consultancy Private Limited, L=Mumbai, S=Maharashtra, C=IN</X509SubjectName><X509Certificate>MIIEExCCA0egAwIBAgIUbc58G4Nb6ytJuT1fjMWgwArdbdY2rudS7vGHBZ9tOH/a5KCe5or8rZyAqxDJkgxQadhgsxHosBKsDmUY6UfXJzOHAvVcaSrsFntYVNncyfGKIzA==</X509Certificate></X509Data></KeyInfo></Signature></A66SearchInCkycResponse>

B6. Rejected By CKYC Decrypted Response

```
<?xml version="1.0" encoding="utf-16"?>
<A66ResponseData xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <RequestId>12345</RequestId>
  <CKYCRejectionDescription>Please enter valid KYC Number</CKYCRejectionDescription>
  <Tags />
  <ApplicationReferenceNumber />
  <CKYCAvailable>No</CKYCAvailable>
  <CKYCStatus>CKYCRejected</CKYCStatus>
  <CKYCRequestId>76322</CKYCRequestId>
  <CKYCPidDetails />
</A66ResponseData>
```