Saman Insurance

IT Department

Software analysis and development

Saman Travel Insurance (TRAVIS)

Web Service Technical Document

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About this document

This document describe the technical information about using the Saman Travel Insurance Web Service. This Web Service is use to issue a policy, cancel an issued policy or inquiry policy premium, by applicants.

How to use web service

Introduction

Saman travel insurance web service use the following technology and protocols:

- Web Services Technology
- SOAP Protocol
- HTTP / HTTPS Transfer Protocols

How to use web methods

All web methods return objects that contain *errorCode* and *errorText* variables. If the method execute successfully, the *errorCode* result should be -1 with an empty *errorText*, otherwise the Error code and the message returned in *errorCode* and *errorText* variables. The list of error codes are in Appendix B.

To access each method you should use your username and password (which provided to you with this document) and pass it as a parameter.

Web service address:

http://samanservice.ir/TravisService.asmx

Suggested Web Service Usage for Single Policy Issuing

Single policy issuing Methods and Parameters

1- getCredit
2- getCountries
3- getCountry
4- getDurationsOfStay
5- getPlansWithDetail
6- getPlan
7- getPriceInquiry
8- registerInsurance
9- confirmInsurance
10- getInsurance
11- cancelInsurance
12- registerCustomer
13- getCustomer
14- groupInsuranceRegister
15- groupInsuranceDelete
16- groupInsuranceConfirm
17- groupInsuranceDetailList
18- groupInsuranceDetailAdd
19- groupInsuranceDetailDelete

1- getCredit

This method is for returning your current credit limit and the remaining credit. Please note that if you have not enough credit, so you cannot issue any policy.

Method name	**getCredit**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISCreditInfo	TISCreditInfo object which contains credit information.		

2- getCountries

This method is for returning the list of Countries and their codes.

Method name	getCountries		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISCountryInfo[]	Array of TISCountryInfo objects which contains Countries information.		

3- getCountry

This method is for returning the country information on the basis of their codes.

Method name	getCountry		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
countryCode	Long Integer	Yes	Country Code
Output			
Type	**Description**		
TISCountryInfo	TISCountryInfo object which contains Country information.		

4- getDurationsOfStay

This method is for returning the Standard duration of stay and it is necessary for issuing a policy.

Method name	getDurationsOfStay		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISDurationOfStay	TISDurationOfStay object which contains Duration of Stay information.		

5- getPlansWithDetail

This method is for returning Plans according to destination country, duration of stay and the age of the insured person. The return value contains plan, premium and cover information.

Method name	**getPlansWithDetail**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
countryCode	Long Integer	Yes	Destination Country Code
birthDate	DateTime	Yes	Insured Birth Date
durationOfStay	Integer	Yes	Duration of stay in destination country
Output			
Type	**Description**		
TISPlanInfo[]	Array of TISPlanInfo objects which contains Plan and it's details information.		

6- getPlan

This method is for returning Plan information on the basis of their codes.

Method name	**getPlan**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
planCode	Long Integer	Yes	Plan Code
Output			
Type	**Description**		
TISPlanInfo	TISPlanInfo object which contains Plan information.		

7- getPriceInquiry

This method is for returning Price information according to Plan, Country, Duration of stay and insured birth date.

Method name	**getPriceInquiry**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
countryCode	Long Integer	Yes	Destination Country Code
birthDate	DateTime	Yes	Insured birth date
durationOfStay	Integer	Yes	Duration of stay in destination country
planCode	Long Integer	Yes	Plan code
Output			
Type	**Description**		
TISPriceInfo	TISPriceInfo object which contains insurance premium information.		

8- registerInsurance

This method is use for issuing a policy. For that reason you must first create an object with type *TISInsuranceInsertData* and set fields regarding APPENDIX A, and pass it as a parameter to this method. Please note that, if we find out that the national ID is already exists in our database, the policy will issue for the existing person, not the person who you provide as a parameter. So after calling this method you must double check the sending and returning information to ensure that the policy was issued for the right person. The policy was issued with the pending status and it's not valid until user confirms it by calling the *confirmInsurance* method. You can use the *bimehNo* as a policy serial number to confirm and cancel the policy.

Method name	**registerInsurance**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
insuranceData	TISInsuranceInsertData	Yes	TISInsuranceInsertData object which contains insurance policy information.
Output			
Type	**Description**		
TISInsuranceInfo	TISInsuranceInfo object which contains issued policy information.		

9- confirmInsurance

This method is use to confirm the policy which was registered by previous method. Please note that pending policies will delete automatically after 2 days if they are not confirmed by the user.

Method name	**confirmInsurance**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
bimehNo	Long Integer	Yes	Policy serial number
Output			
Type	**Description**		
TISInsuranceInfo	TISInsuranceInfo object which contains issued policy information.		

10- getInsurance

This method is use to return policy information on the basis of *bimehNo* (Policy serial number).

Method name	**getInsurance**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
bimehNo	Long Integer	Yes	Policy serial number
Output			
Type	**Description**		
TISInsuranceInfo	TISInsuranceInfo object which contains issued policy information.		

11- cancelInsurance

This method is use to cancel an existing policy on the basis of *bimehNo* (policy serial number).

Method name	**cancelInsurance**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
bimehNo	Long Integer	Yes	Policy serial number
Output			
Type	**Description**		
TISInsuranceInfo	TISInsuranceInfo object which contains canceled policy information.		

12- registerCustomer

This method is use to register a new customer in the system. If the customer national ID exists in our database the customer won't create and the existing data returns.

Method name	**registerCustomer**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
nationalCode	string	Yes	Insured national id
fisrtName	string	Yes	Insured persian first name
lastName	string	Yes	Insured persian last name
firstNameLatin	string	Yes	Insured latin first name
lastNameLatin	string	Yes	Insured latin last name
gender	Integer	Yes	Insured gender (1=male, 2=female)
birthDate	DateTime	Yes	Insured birth date
birthPlace	string	No	Insured birth place
mobile	string	No	Insured mobile
email	string	No	Insured email
postCode	string	No	Insured post code
Output			
Type	**Description**		
TISCustomerInfo	TISCustomerInfo object which contains customer information.		

13- getCustomer

This method is use to return customer data on the basis of its code.

Method name	**getCustomer**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
nationalCode	string	Yes	Insured national id
Output			
Type	**Description**		
TISCustomerInfo	TISCustomerInfo object which contains customer information.		

Group policy issuing Methods and Parameters

This methods are use to issuing a group policy and using the assigned discount base on the number of policies in a group. The steps for this purpose are:

1- Calling the *groupInsuranceRegister* method to register shared information about the group. This information contains Destination Country Code, Duration of Stay in that Country, Plan Code and Visa Entrance Type.
2- Calling the *groupInsuranceDetailAdd* method to introduce the policies
3- Calling the *groupInsuranceConfirm* method to issue all of the policies with the Confirmed status. All the price calculations are done by the system automatically. The list below shows, discounts according to the number of policies.

#	Number of policies		Discount
	From	To	
1	10	20	5%
2	21	50	10%
3	51	100	15%
4	101	*	25%

Notes:

- For each web service user, there is only and only one temporary list available and it will be exists in the system for maximum 72 hours.
- The temporary list will be cleared in the following situations, and cannot be undone:
  - 72 hours after creating a temporary list for the user.
  - Calling the *groupInsuranceConfirm* method, which cause the pending policies to be issued and after that it will be clear the temporary list.
  - Calling the *groupInsuranceDelete* method, will clear the temporary list.
- The policies that issued by *groupInsuranceConfirm* method will have confirmed status and it is not necessary to call *confirmInsurance* method for confirmation.

14- groupInsuranceRegister

This method is use to register shared group information for the temporary list. The information contains Destination Country Code, Duration of Stay, Plan Code and Visa Entry Type. Please note that for updating (Edit) the existing shared information, you can also call this method as well.

Method name	**groupInsuranceRegister**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
countryCode	Long Integer	Yes	Country code
durationOfStay	Integer	Yes	Duration of stay
travelKind	Integer	Yes	Visa type (1=single entry, 2= multiple entry)
planCode	Long Integer	Yes	Plan code
Output			
Type	**Description**		
TISGroupInsuranceHeader	TISGroupInsuranceHeader object which contains group insurance header information.		

15- groupInsuranceDelete

This method is use to delete your temporary group list.

Method name	**groupInsuranceDelete**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISResult	TISResult object.		

16- groupInsuranceConfirm

This method is use to confirm all existing policies in your temporary list and returns issued policies.

Method name	groupInsuranceConfirm		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISInsuranceInfo[]	Array of TISInsuranceInfo objects which contains policy information.		

17- groupInsuranceDetailList

This method is use to return policies which exists in your temporary list.

Method name	groupInsuranceDetailList		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
Output			
Type	**Description**		
TISInsuranceInfo[]	Array of TISInsuranceInfo objects which contains policy information.		

18- groupInsuranceDetailAdd

This method is use to add a new policy to your temporary list.

Method name	groupInsuranceDetailAdd		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
insuranceData	TISGroupInsuranceDetailInsert	Yes	TISGroupInsuranceDetailInsert
Output			
Type	**Description**		
TISInsuranceInfo	TISInsuranceInfo object which contains policy information.		

19- groupInsuranceDetailDelete

This method is use to delete an existing policy from the temporary list.

Method name	**groupInsuranceDetailDelete**		
Input parameters			
Parameter name	**Type**	**Is required**	**Description**
username	string	Yes	--
password	string	Yes	--
nationalCode	string	Yes	Insured national ID
Output			
Type	**Description**		
TISResult	TISResult object.		

APPENDIX - A

Class definition which used in this web service

1) TISCreditInfo
2) TISCountryInfo
3) TISPriceInfo
4) TISInsuranceInsertData
5) TISInsuranceInfo
6) TISCustomerInfo
7) TISPlanInfo
8) TISPlanCoversInfo
9) TISGroupInsuranceHeader
10) TISResult
11) TISGroupInsuranceDetailInsert
12) TISDurationOfStay

1) TISCreditInfo

This class contains credit information.

Class name	TISCreditInfo	
Field name	**Field type**	**Description**
creditLimit	decimal	Current credit limit in rials.
availableCredit	decimal	Remaining credit limit in rials.

2) TISCountryInfo

This class contains country information.

Class name	TISCountryInfo	
Field name	**Field type**	**Description**
code	Long Integer	Country code
Title	string	Country title
zoneCode	Long Integer	Country zone code
zoneTitle	string	Country zone title Persian
zoneTitleEnglish	string	Country zone title English

3) TISPriceInfo

This class contains price information.

Class name	TISPriceInfo	
Field name	**Field type**	**Description**
countryCode	Long Integer	Country code
countryPriceCode	Long Integer	Country price code
planCode	Long Integer	Plan code
priceGross	decimal	Gross premium
priceAvarez	decimal	Toll
priceTax	decimal	Tax
priceDiscount	decimal	Discount
priceTotal	decimal	Payable premium which calculated as: (priceGross – priceDiscount) + (priceAvarez + priceTax)

4) TISInsuranceInsertData

This class contains required fields for issuing a policy.

Class name	TISInsuranceInsertData		
Field name	**Field type**	**Is required**	**Description**
nationalCode(*)	string	Yes	Insured national ID
firstName(*)	string	Yes	Insured Persian first name
lastName(*)	string	Yes	Insured Persian last name
latinFirstName(*)	string	Yes	Insured Latin first name
latinLastName(*)	string	Yes	Insured Latin last name
birthDate(*)	DateTime	Yes	Insured birth date
mobile	string	No	Insured mobile
email	string	No	Insured email
Gender(*)	integer	Yes	Insured gender (1=male, 2=female)
birthplace	string	No	Insured birth place
passportNo(*)	string	Yes	Insured passport number
countryCode(*)	Long Integer	Yes	Country code
durationOfStay(*)	integer	Yes	Duration of stay
travelKind(*)	integer	Yes	Visa type (1=single entry, 2=multiple entries)
planCode(*)	Long Integer	Yes	Plan code

5) TISInsuranceInfo

This class contains policy information.

Class name	TISInsuranceInfo	
Field name	**Field type**	**Description**
bimehNo	Long Integer	Policy serial number
policyNo	string	Policy number
passportNo	string	Insured passport number
durationOfStay	integer	Duration of stay
status	integer	Policy status (1=Pending, 2=Canceled, 3=Confirmed)
travelKind	integer	Visa type (1=single entry, 2= multiple entries)
cancelDate	DateTime	Policy cancel date
country	TISCountryInfo	Country information
customer	TISCustomerInfo	Insured information
plan	TISPlanInfo	Plan information
price	TISPriceInfo	Premium information

6) TISCustomerInfo

This class contains customer information.

Class name	TISCustomerInfo	
Field name	**Field type**	**Description**
code	Long Integer	Insured code
nationalCode	string	Insured national ID
firstName	string	Insured Persian first name
lastName	string	Insured Persian last name
latinFirstName	string	Insured Latin first name
latinLastName	string	Insured Latin last name
birthDate	DateTime	Insured birth date
mobile	string	Insured mobile
email	string	Insured email
isMale	bool	Insured gender (1=male, 2=female)
Birthplace	string	Insured birth place

7) TISPlanInfo

This class contains plan information.

Class name	TISPlanInfo	
Field name	**Field type**	**Description**
code	Long Integer	Plan code
title	string	Plan Persian title
titleEnglish	string	Plan English title
coverLimit	string	Plan cover limit
price	decimal	Plan premium
covers	TISPlanCoverInfo	Plan covers

8) TISPlanCoversInfo

This class contains plan cover information.

Class name	TISPlanCoversInfo	
Field name	**Field type**	**Description**
planCoverLimit	string	Cover limit
coverTitle	string	Cover Persian title
coverTitleEnglish	string	Cover English title

9) TISGroupInsuranceHeader

This class contains shared information about temporary list .

Class name	TISGroupInsuranceHeader	
Field name	**Field type**	**Description**
countryCode	Long Integer	Country code
planCode	Long Integer	Plan code
durationOfStay	Integer	Duration of stay
travelKind	Integer	Visa type (1=single entry, 2=multiple entries)

10) TISResult

This class contains no information.

Class name	TISResult	
Field name	**Field type**	**Description**
--	--	--

11) TISGroupInsuranceDetailInsert

This class contains customer information to register in temporary list.

Class name	TISGroupInsuranceDetailInsert		
Field name	**Field type**	**Is required**	**Description**
nationalCode(*)	string	Yes	Insured national ID
firstName(*)	string	Yes	Insured Persian first name
lastName(*)	string	Yes	Insured Persian last name
latinFirstName(*)	string	Yes	Insured English first name
latinLastName(*)	string	Yes	Insured English last name
birthDate(*)	DateTime	Yes	Insured birth date
mobile	string	No	Insured mobile
email	string	No	Insured email
gender(*)	integer	Yes	Insured gender (1=male, 2=female)
birthplace	string	No	Insured birth place
passportNo(*)	string	Yes	Insured passport number
postCode(*)	string	Yes	Insured post code

12) TISDurationOfStay

This class contains duration of stay information.

Class name	TISDurationOfStay	
Field name	**Field type**	**Description**
title	string	Duration of stay title (e.g. 7 days, 6 months, ...)
value	Integer	Duration of day number of days (e.g. 7, 31, 92, ...)

APPENDIX - B

Error Codes

In this web service all methods return at least two values; *errorCode* and *errorText*. After each method called, *erroCode* should has -1 value (it shows that the method is called successfully). Otherwise the method encountered an error which the code should be in the list below. If the returned *errorCode* was 500, then you should send the *errorText* value, method name and it's parameters to the support email (s.tasdighi@noyansys.ir) for following up and resolving the error.

Error code	Description
500	Internal server error.
501	Server is under maintenance.
407	Method authentication failed. You are not authorized to use this web method.
408	Your credit is low and you are not able to issue any policy at this time.
404	The object you are looking for is not found or there is some access restrictions to that object.
400	Invalid input parameters. Please refer to error text to find out which parameter caused this error.
-1	No error.