

ЕДИНАЯ ИНФОРМАЦИОННАЯ СИСТЕМА  
ТЕХНИЧЕСКОГО ОСМОТРА (ЕАИСТО)

**ТЕХНИЧЕСКИЕ ТРЕБОВАНИЯ К ИНТЕРФЕЙСАМ ВЕБ-СЕРВИСОВ  
ЕАИСТО  
ВЕРСИЯ 1.1**

Листов 58

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## **1. СВЕДЕНИЯ ОБ УСЛОВИЯХ И ИНТЕРФЕЙСАХ ПОДКЛЮЧЕНИЯ АИС ОТО К ЦОД ЕАИСТО. WEB-СЕРВИСЫ**

Обмен данными о результатах ТО осуществляется по протоколу SOAP 1.1.

### **1.1. Описание методов сервиса Эксперта**

Имя сервиса: arm\_expert

Состав методов:

- RegisterCard – метод приема сведений о результатах ТО;
- GetCardByVin – метод получения результатов технического осмотра;
- ListTestResult – метод получения справочника результатов проверки;
- ListTestType – метод получения справочника видов проверки;
- ListFuel – метод получения справочника типов топлива;
- ListBrakingSystem – метод получения справочника типов привода тормозной системы;
- ListFormType – метод получения справочника видов талонов;
- ListRegistrationDocumentType – метод получения справочника типов регистрационных документов

### **1.2. Описание методов сервиса Оператора**

Имя сервиса: arm\_operator

Состав методов:

- ChangeCard – метод изменения результатов ТО;

## ОПИСАНИЕ СЕРВИСОВ В ФОРМАТЕ WSDL

## arm\_expert:

```
<?xml version="1.0" encoding="utf-8"?>

<wsdl:definitions xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:tns="http://tempuri.org/"
xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:msc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract"
xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex"
xmlns:wsa10="http://www.w3.org/2005/08/addressing" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata" name="Inspection"
targetNamespace="http://tempuri.org/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">

  <wsdl:types>
    <xsd:schema targetNamespace="http://tempuri.org/Imports">
      <xsd:import
schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsdl/dev/ws_arm_expert/xsd0.xsd"
namespace="http://tempuri.org/" />
    </xsd:schema>
  </wsdl:types>

  <wsdl:message name="IInspection_RegisterCard_InputMessage">
    <wsdl:part name="parameters" element="tns:RegisterCard" />
  </wsdl:message>

  <wsdl:message name="IInspection_RegisterCard_OutputMessage">
    <wsdl:part name="parameters" element="tns:RegisterCardResponse" />
  </wsdl:message>

  <wsdl:message name="IInspection_GetCardByVin_InputMessage">
    <wsdl:part name="parameters" element="tns:GetCardByVin" />
  </wsdl:message>

  <wsdl:message name="IInspection_GetCardByVin_OutputMessage">
    <wsdl:part name="parameters" element="tns:GetCardByVinResponse" />
  </wsdl:message>

  <wsdl:message name="IInspection_ListTestResult_InputMessage">
    <wsdl:part name="parameters" element="tns:ListTestResult" />
  </wsdl:message>

  <wsdl:message name="IInspection_ListTestResult_OutputMessage">
    <wsdl:part name="parameters" element="tns:ListTestResultResponse" />
  </wsdl:message>
```

```
</wsdl:message>

<wsdl:message name="IInspection_ListTestType_InputMessage">
  <wsdl:part name="parameters" element="tns:ListTestType" />
</wsdl:message>

<wsdl:message name="IInspection_ListTestType_OutputMessage">
  <wsdl:part name="parameters" element="tns:ListTestTypeResponse" />
</wsdl:message>

<wsdl:message name="IInspection_ListFuel_InputMessage">
  <wsdl:part name="parameters" element="tns:ListFuel" />
</wsdl:message>

<wsdl:message name="IInspection_ListFuel_OutputMessage">
  <wsdl:part name="parameters" element="tns:ListFuelResponse" />
</wsdl:message>

<wsdl:message name="IInspection_ListBrakingSystem_InputMessage">
  <wsdl:part name="parameters" element="tns:ListBrakingSystem" />
</wsdl:message>

<wsdl:message name="IInspection_ListBrakingSystem_OutputMessage">
  <wsdl:part name="parameters" element="tns:ListBrakingSystemResponse" />
</wsdl:message>

<wsdl:message name="IInspection_ListFormType_InputMessage">
  <wsdl:part name="parameters" element="tns:ListFormType" />
</wsdl:message>

<wsdl:message name="IInspection_ListFormType_OutputMessage">
  <wsdl:part name="parameters" element="tns:ListFormTypeResponse" />
</wsdl:message>

<wsdl:message name="IInspection_ListRegistrationDocumentType_InputMessage">
  <wsdl:part name="parameters" element="tns:ListRegistrationDocumentType" />
</wsdl:message>

<wsdl:message name="IInspection_ListRegistrationDocumentType_OutputMessage">
  <wsdl:part name="parameters" element="tns:ListRegistrationDocumentTypeResponse" />
</wsdl:message>

<wsdl:portType name="IInspection">

  <wsdl:operation name="RegisterCard">
```

```
<wsdl:input wsaw:Action="http://tempuri.org/IInspection/RegisterCard"
message="tns:IInspection_RegisterCard_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/RegisterCardResponse"
message="tns:IInspection_RegisterCard_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="GetCardByVin">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/GetCardByVin"
message="tns:IInspection_GetCardByVin_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/GetCardByVinResponse"
message="tns:IInspection_GetCardByVin_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="ListTestResult">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListTestResult"
message="tns:IInspection_ListTestResult_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/ListTestResultResponse"
message="tns:IInspection_ListTestResult_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="ListTestType">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListTestType"
message="tns:IInspection_ListTestType_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/ListTestTypeResponse"
message="tns:IInspection_ListTestType_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="ListFuel">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListFuel"
message="tns:IInspection_ListFuel_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/ListFuelResponse"
message="tns:IInspection_ListFuel_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="ListBrakingSystem">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListBrakingSystem"
message="tns:IInspection_ListBrakingSystem_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/ListBrakingSystemResponse"
message="tns:IInspection_ListBrakingSystem_OutputMessage" />

</wsdl:operation>

<wsdl:operation name="ListFormType">

<wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListFormType"
message="tns:IInspection_ListFormType_InputMessage" />

<wsdl:output wsaw:Action="http://tempuri.org/IInspection/ListFormTypeResponse"
message="tns:IInspection_ListFormType_OutputMessage" />

</wsdl:operation>
```

```

    <wsdl:operation name="ListRegistrationDocumentType">
        <wsdl:input wsaw:Action="http://tempuri.org/IInspection/ListRegistrationDocumentType"
message="tns:IInspection_ListRegistrationDocumentType_InputMessage" />
        <wsdl:output
wsaw:Action="http://tempuri.org/IInspection/ListRegistrationDocumentTypeResponse"
message="tns:IInspection_ListRegistrationDocumentType_OutputMessage" />
    </wsdl:operation>

</wsdl:portType>

<wsdl:binding name="IInspection" type="tns:IInspection">

    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />

    <wsdl:operation name="RegisterCard">
/>
        <soap:operation soapAction="http://tempuri.org/IInspection/RegisterCard" style="document"

        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

    <wsdl:operation name="GetCardByvin">
/>
        <soap:operation soapAction="http://tempuri.org/IInspection/GetCardByvin" style="document"

        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

    <wsdl:operation name="ListTestResult">
/>
        <soap:operation soapAction="http://tempuri.org/IInspection/ListTestResult" style="document"

        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
    </wsdl:operation>

```

```
    </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ListTestType">
  <soap:operation soapAction="http://tempuri.org/IInspection/ListTestType" style="document"
/>
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ListFuel">
  <soap:operation soapAction="http://tempuri.org/IInspection/ListFuel" style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ListBrakingSystem">
  <soap:operation soapAction="http://tempuri.org/IInspection/ListBrakingSystem"
style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ListFormType">
  <soap:operation soapAction="http://tempuri.org/IInspection/ListFormType" style="document"
/>
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
```



```

        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ListRegistrationDocumentType">
    <soap:operation soapAction="http://tempuri.org/IInspection/ListRegistrationDocumentType"
style="document" />
    <wsdl:input>
        <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal" />
    </wsdl:output>
</wsdl:operation>

</wsdl:binding>

<wsdl:service name="Inspection">
    <wsdl:port name="IInspection" binding="tns:IInspection">
        <soap:address location="http://eaisto.mvd.dev.armd.ru/common/ws/arm_expert.php" />
    </wsdl:port>
</wsdl:service>

</wsdl:definitions>

```

### arm\_operator:

```

<?xml version="1.0" encoding="utf-8"?>

<wsdl:definitions xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:tns="http://tempuri.org/"
xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:msc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract"
xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex"
xmlns:wsa10="http://www.w3.org/2005/08/addressing" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata" name="Inspection"
targetNamespace="http://tempuri.org/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">

    <wsdl:types>
        <xsd:schema targetNamespace="http://tempuri.org/Imports">
            <xsd:import
schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsdl/dev/ws_arm_operator/xsd0.xsd"
namespace="http://tempuri.org/" />
        </xsd:schema>
    </wsdl:types>

```

```
<wsdl:message name="IInspection_ChangeCard_InputMessage">
  <wsdl:part name="parameters" element="tns:ChangeCard" />
</wsdl:message>
<wsdl:message name="IInspection_ChangeCard_OutputMessage">
  <wsdl:part name="parameters" element="tns:ChangeCardResponse" />
</wsdl:message>

<wsdl:portType name="IInspection">

  <wsdl:operation name="ChangeCard">
    <wsdl:input wsaw:Action="http://tempuri.org/IInspection/ChangeCard"
message="tns:IInspection_ChangeCard_InputMessage" />
    <wsdl:output wsaw:Action="http://tempuri.org/IInspection/ChangeCardResponse"
message="tns:IInspection_ChangeCard_OutputMessage" />
  </wsdl:operation>

</wsdl:portType>

<wsdl:binding name="IInspection" type="tns:IInspection">

  <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />

  <wsdl:operation name="ChangeCard">
    <soap:operation soapAction="http://tempuri.org/IInspection/ChangeCard" style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
  </wsdl:operation>

</wsdl:binding>

<wsdl:service name="Inspection">
  <wsdl:port name="IInspection" binding="tns:IInspection">
    <soap:address location="http://eaisto.mvd.dev.armd.ru/common/ws/arm_operator.php" />
  </wsdl:port>
</wsdl:service>

</wsdl:definitions>
```

ОПИСАНИЕ МЕТОДОВ СЕРВИСА ЭКСПЕРТА

а) Метод приема сведений о результатах ТО

Логическое имя метода: RegisterCard

Структура пакета запроса

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Пользователь	UserInfo	user	да
2	Данные	Card	card	да

Описание тупа UserInfo

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Имя	Текст	Name	да
2	Пароль	Текст	Password	да

Описание тупа Card

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	ID карточки (возвращается при получении карточки, передаётся только при изменении карточки)	Число	Id	нет
2	ID карточки первичного осмотра (передаётся при вводе сведений о прохождении вторичного осмотра)	Число	CardIsSecondaryFor	нет
3	ID карточки, на которую данная является дубликатом (передаётся при вводе сведений о выдаче дубликата)	Число	CardIsDuplicateFor	нет
4	Номер кузова	Текст	BodyNumber	нет
5	Дата диагностики	Дата	DateOfDiagnosis	да

6	Талон технического осмотра (Международный сертификат)  (параметр является обязательным при вводе сведений об успешно пройденном техосмотре: TestResult = Passed)	Form	Form	нет
7	Фамилия лица, предоставившего ТС на осмотр	Текст	Name	да
8	Имя лица, предоставившего ТС на осмотр	Текст	FName	да
9	Отчество лица, предоставившего ТС на осмотр	Текст	MName	нет
10	Замечания	Текст	Note	нет
11	Государственный регистрационный знак	Текст	RegistrationNumber	нет
12	Результат проверки	Текст  Принимает одно из следующих значений:  Passed – пройдена  NotPassed – не пройдена	TestResult	да
13	Вид проверки	Текст  Принимает одно из следующих значений:  Primary – первичная  Secondary – вторичная	TestType	да
14	Массив результатов диагностики	Values	Values	да
15	Автомобиль	Vehicle	Vehicle	да
16	Категория ТС (СРТС или ПТС)	Текст	VehicleCategory	да
17	Категория ТС (ОКП)	Текст	VehicleCategory2	да

18	VIN	Текст	VIN	нет
19	Год выпуска	Число	Year	да
20	Номер рамы	Текст	FrameNumber	нет
21	Масса без нагрузки (кг)	Число	EmptyMass	да
22	Разрешенная максимальная масса (кг)	Число	MaxMass	да
23	Тип топлива	Текст Принимает одно из следующих значений: Petrol – бензин Diesel – дизельное топливо PressureGas – сжатый газ LiquefiedGas – сжиженный газ	Fuel	да
24	Тип привода тормозной системы	Текст Принимает одно из следующих значений: Mechanical – механический Hydraulic – гидравлический Pneumatic – пневматический Combined – комбинированный None – Без тормозной системы	BrakingSystem	да
25	Марка шин	Текст	Tyres	да
26	Пробег ТС (км)	Число	Killometrage	да
27	Регистрационный документ:	RegistrationDocument	RegistrationDocument	да
28	Повторный технический осмотр пройти до	Дата	DateOfRetest	нет

*Описание туннеля Vehicle*

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Марка	Текст	Make	да
2	Модель	Текст	Model	да
3	Модификация	Текст	Modification	нет

*Описание тина Form*

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Комментарий	Текст	Comment	нет
2	Дубликат	Логический	Duplicate	да
3	Серия	Текст	Series	Нет
4	Номер	Текст	Number	да
5	Вид талона	Текст: принимает одно из следующих значений:  Blank – Талон ТО  Certificate – Международный сертификат	Type	да
6	Срок действия	Дата	Validity	да

*Описание тина Values*

Тип данных Values состоит из набора элементов CardItemValue, каждый из которых, в свою очередь, состоит из:

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Код диагностики	Число:  1–65	Code	да
2	Значение о возможности эксплуатации	Число:  0 – параметр соответствует требованиям  1 – параметр не соответствует требованиям	TestResult	да

CardItemValue передается, в случае, если инструментальный контроль данного параметра проводился, если не проводился – не передается.

*Описание тина RegistrationDocument*

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Тип регистрационного документа	Текст:  RegTalon – Свидетельство регистрации транспортного средства  PTS – Паспорт транспортного средства	DocumentType	да
2	Серия	Текст	Series	да
3	Номер	Число	Number	да
4	Выдан кем	Текст	Organization	да
5	Выдан когда	Дата	Date	да

### *Структура пакета ответа*

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Уникальный номер карточки в системе	Число	RegisterCardResult	да

### *Контрольный пример запроса*

#### *Первичный осмотр*

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<soapenv:Envelope  
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"  
xmlns:tem="http://tempuri.org/" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:RegisterCard>
```

```
<tem:user>
```

```
<tec:Name>hmur</tec:Name>
```

```
<tec:Password>hmur</tec:Password>
```

```
</tem:user>
```

```
<tem:card>
```

```
<tec:BodyNumber>AF88888888</tec:BodyNumber>
```

```
<tec:CardIsSecondaryFor/>
```

```
<tec:CardIsDuplicateFor/>
```

```
<tec:DateOfDiagnosis>2012-01-04T00:00:00</tec:DateOfDiagnosis>
```

```
<tem:Form>
```

```
<tem:Comment>особые отметки</tem:Comment>
```

```
<tem:Duplicate>>false</tem:Duplicate>
```

```
<tem:Number>123</tem:Number>
<tem:Series>1234</tem:Series>
<tem:Status>New</tem:Status>
<tem:Type>Certificate</tem:Type>
<tem:Validity>2012-02-04T00:00:00</tem:Validity>
</tem:Form>
<tec:Name>Кузнецов</tec:Name>
<tec:FName>Иван</tec:FName>
<tec:MName>Петрович</tec:MName>
<tec>Note>Тестирование рулевого управления</tec>Note>
<tec:RegistrationNumber>D322DD22Z</tec:RegistrationNumber>
<tec:TestResult>Passed</tec:TestResult>
<tec:TestType>Primary</tec:TestType>
<tec:Values>
  <tec:CardItemValue>
    <tec:Code>1</tec:Code>
    <tec:TestResult>0</tec:TestResult>
  </tec:CardItemValue>
</tec:Values>
<tec:Vehicle>
  <tec:Make>BA3</tec:Make>
  <tec:Model>2107</tec:Model>
  <tec:Modification>Нет</tec:Modification>
</tec:Vehicle>
<tec:VehicleCategory>B</tec:VehicleCategory>
<tec:VehicleCategory2>M1</tec:VehicleCategory2>
<tec:Vin>XXXXXXXXXXXXXXXXXX</tec:Vin>
<tec:Year>2011</tec:Year>
<tem:FrameNumber>234</tem:FrameNumber>
<tem:EmptyMass>900</tem:EmptyMass>
<tem:MaxMass>1000</tem:MaxMass>
<tem:Fuel>PressureGas</tem:Fuel>
<tem:BrakingSystem>Hydraulic</tem:BrakingSystem>
<tem:Tyres>Aeolus</tem:Tyres>
<tem:Killometrage>20000</tem:Killometrage>
<tem:RegistrationDocument>
  <tem:DocumentType>RegTalon</tem:DocumentType>
  <tem:Series>98444</tem:Series>
  <tem:Number>569231</tem:Number>
  <tem:Organization>ПВДП</tem:Organization>
  <tem>Date>2012-01-01T00:00:00</tem>Date>
```



```
</tem:RegistrationDocument>
  <tem:DateOfRetest>2012-01-24T00:00:00</tem:DateOfRetest>
</tem:card>
</tem:RegisterCard>
</soapenv:Body>
</soapenv:Envelope>
```

### *Вторичный осмотр*

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<soapenv:Envelope
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:tem="http://tempuri.org/" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:RegisterCard>
```

```
<tem:user>
```

```
<tec:Name>hmur</tec:Name>
```

```
<tec:Password>hmur</tec:Password>
```

```
</tem:user>
```

```
<tem:card>
```

```
<tec:BodyNumber>AF8888889</tec:BodyNumber>
```

```
<tec:CardIsSecondaryFor>123</tec:CardIsSecondaryFor>
```

```
<tec:CardIsDuplicateFor/>
```

```
<tec:DateOfDiagnosis>2012-01-04T00:00:00</tec:DateOfDiagnosis>
```

```
<tem:Form>
```

```
<tem:Comment>особые отметки</tem:Comment>
```

```
<tem:Duplicate>false</tem:Duplicate>
```

```
<tem:Number>123</tem:Number>
```

```
<tem:Series>1234</tem:Series>
```

```
<tem:Status>New</tem:Status>
```

```
<tem:Type>Certificate</tem:Type>
```

```
<tem:Validity>2012-02-04T00:00:00</tem:Validity>
```

```
</tem:Form>
```

```
<tec:Name>Кузнецов</tec:Name>
```

```
<tec:FName>Иван</tec:FName>
```

```
<tec:MName>Петрович</tec:MName>
```

```
<tec:Note>Тестирование рулевого управления</tec:Note>
```

```
<tec:RegistrationNumber>D322DD22Z</tec:RegistrationNumber>
```

```
<tec:TestResult>Passed</tec:TestResult>
```

```
<tec:TestType>Primary</tec:TestType>
```

```
<tec:Values>
```

```
<tec:CardItemValue>
```

```
<tec:Code>1</tec:Code>
```

```
        <tec:TestResult>0</tec:TestResult>
      </tec:CardItemValue>
    </tec:Values>
  <tec:Vehicle>
    <tec:Make>BA3</tec:Make>
    <tec:Model>2107</tec:Model>
    <tec:Modification>Her</tec:Modification>
  </tec:Vehicle>
  <tec:VehicleCategory>B</tec:VehicleCategory>
  <tec:VehicleCategory2>M1</tec:VehicleCategory2>
  <tec:Vin>XXXXXXXXXXXXXXXXXXE</tec:Vin>
  <tec:Year>2011</tec:Year>
  <tem:FrameNumber>234</tem:FrameNumber>
  <tem:EmptyMass>900</tem:EmptyMass>
  <tem:MaxMass>1000</tem:MaxMass>
  <tem:Fuel>PressureGas</tem:Fuel>
  <tem:BrakingSystem>Hydraulic</tem:BrakingSystem>
  <tem:Tyres>Aeolus</tem:Tyres>
  <tem:Killometrage>20000</tem:Killometrage>
  <tem:RegistrationDocument>
    <tem:DocumentType>RegTalon</tem:DocumentType>
    <tem:Series>98444</tem:Series>
    <tem:Number>569231</tem:Number>
    <tem:Organization>ПВДП</tem:Organization>
    <tem>Date>2012-01-01T00:00:00</tem>Date>
  </tem:RegistrationDocument>
  <tem:DateOfRetest>2012-01-24T00:00:00</tem:DateOfRetest>
</tem:card>
</tem:RegisterCard>
</soapenv:Body>
</soapenv:Envelope>
```

*Дубликат*

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:tem="http://tempuri.org/" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:RegisterCard>
      <tem:user>
        <tec:Name>hmur</tec:Name>
        <tec>Password>hmur</tec>Password>
```

```
</tem:user>
<tem:card>
  <tec:BodyNumber>AF88888889</tec:BodyNumber>
  <tec:CardIsSecondaryFor></tec:CardIsSecondaryFor>
  <tec:CardIsDuplicateFor>321</tec:CardIsDuplicateFor>
  <tec:DateOfDiagnosis>2012-01-04T00:00:00</tec:DateOfDiagnosis>
  <tem:Form>
    <tem:Comment>особые отметки</tem:Comment>
    <tem:Duplicate>>true</tem:Duplicate>
    <tem:Number>123</tem:Number>
    <tem:Series>1234</tem:Series>
    <tem>Status>New</tem>Status>
    <tem:Type>Certificate</tem:Type>
    <tem:Validity>2012-02-04T00:00:00</tem:Validity>
  </tem:Form>
  <tec:Name>Кузнецов</tec:Name>
  <tec:FName>Иван</tec:FName>
  <tec:MName>Петрович</tec:MName>
  <tec:Note>Тестирование рулевого управления</tec:Note>
  <tec:RegistrationNumber>D322DD22Z</tec:RegistrationNumber>
  <tec:TestResult>Passed</tec:TestResult>
  <tec:TestType>Primary</tec:TestType>
  <tec:Values>
    <tec:CardItemValue>
      <tec:Code>1</tec:Code>
      <tec:TestResult>0</tec:TestResult>
    </tec:CardItemValue>
  </tec:Values>
  <tec:Vehicle>
    <tec:Make>BA3</tec:Make>
    <tec:Model>2107</tec:Model>
    <tec:Modification>Нет</tec:Modification>
  </tec:Vehicle>
  <tec:VehicleCategory>B</tec:VehicleCategory>
  <tec:VehicleCategory2>M1</tec:VehicleCategory2>
  <tec:Vin>XXXXXXXXXXXXXXXXXXE</tec:Vin>
  <tec:Year>2011</tec:Year>
  <tem:FrameNumber>234</tem:FrameNumber>
  <tem:EmptyMass>900</tem:EmptyMass>
  <tem:MaxMass>1000</tem:MaxMass>
  <tem:Fuel>PressureGas</tem:Fuel>
```

```

<tem:BrakingSystem>Hydraulic</tem:BrakingSystem>
<tem:Tyres>Aeolus</tem:Tyres>
<tem:Killometrage>20000</tem:Killometrage>
<tem:RegistrationDocument>
  <tem:DocumentType>RegTalon</tem:DocumentType>
  <tem:Series>98444</tem:Series>
  <tem:Number>569231</tem:Number>
  <tem:Organization>РВДП</tem:Organization>
  <tem>Date>2012-01-01T00:00:00</tem>Date>
</tem:RegistrationDocument>
<tem:DateOfRetest>2012-01-24T00:00:00</tem:DateOfRetest>
</tem:card>
</tem:RegisterCard>
</soapenv:Body>
</soapenv:Envelope>

```

### **Контрольный пример ответа**

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://tempuri.org/">
  <SOAP-ENV:Body>
    <ns1:RegisterCardResponse>
      <ns1:RegisterCardResult>454</ns1:RegisterCardResult>
    </ns1:RegisterCardResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## **б) Метод получения результатов ТО**

*Логическое имя метода: GetCardByVin*

### **Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Пользователь	UserInfo	user	да
2	VIN	Текст	vin	нет
3	Государственный регистрационный знак	Текст	regNumber	нет
4	Номер Талона ТО	Число	formNumber	нет
5	Серия Талона ТО	Текст	formSeries	нет

Примечания:

- описание UserInfo – см. выше.
- должен быть указано как минимум один параметр поиска. Допускается ввод всех параметров одновременно.

### **Структура пакета ответа**

Элементы типа Card.

### ***Контрольный пример запроса***

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:GetCardByVin>
      <tem:user>
        <tec:Name>hmur</tec:Name>
        <tec:Password>hmur</tec:Password>
      </tem:user>
      <tem:vin>WWWWWWWWWWWWWWWE</tem:vin>
      <tem:regNumber></tem:regNumber>
      <tem:formNumber></tem:formNumber>
      <tem:formSeries></tem:formSeries>
    </tem:GetCardByVin>
  </soapenv:Body>
</soapenv:Envelope>
```

### ***Контрольный пример ответа***

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
  <SOAP-ENV:Body>
    <ns2:GetCardByVinResponse>
      <ns2:GetCardByVinResult>
        <ns1:Id>454</ns1:Id>
        <ns1:BodyNumber>AF88888889</ns1:BodyNumber>
        <ns1:DateOfDiagnosis>2012-01-11T00:00:00</ns1:DateOfDiagnosis>
        <ns1:Form>
          <ns1:Comment>особые отметки</ns1:Comment>
          <ns1:Duplicate>>false</ns1:Duplicate>
          <ns1:Number>123</ns1:Number>
          <ns1:Series>1234</ns1:Series>
          <ns1:Type>Certificate</ns1:Type>
          <ns1:Validity>1970-01-01T00:00:00</ns1:Validity>
        </ns1:Form>
        <ns1:Name>Кузнецов</ns1:Name>
        <ns1:FName>Иван</ns1:FName>
        <ns1:MName>Петрович</ns1:MName>
        <ns1>Note>Тестирование рулевого управления</ns1>Note>
        <ns1:RegistrationNumber>D322DD22Z</ns1:RegistrationNumber>
        <ns1:TestResult>Passed</ns1:TestResult>
      </ns2:GetCardByVinResult>
    </ns2:GetCardByVinResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```
<ns1:TestType>Primary</ns1:TestType>
<ns1:Values>
  <ns1:CardItemValue>
    <ns1:Code>1</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>2</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>3</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>4</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>5</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>6</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>7</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>8</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>9</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>
  <ns1:CardItemValue>
    <ns1:Code>10</ns1:Code>
    <ns1:TestResult>1</ns1:TestResult>
  </ns1:CardItemValue>

```

```
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>11</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>12</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>13</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>14</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>15</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>16</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>17</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>18</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>19</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>20</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
```

```
<ns1:CardItemValue>
  <ns1:Code>21</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>22</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>23</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>24</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>25</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>26</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>27</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>28</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>29</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>30</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
```



```
<ns1:Code>31</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>32</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>33</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>34</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>35</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>36</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>37</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>38</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>39</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>40</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>41</ns1:Code>
```

```
<ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>42</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>43</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>44</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>45</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>46</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>47</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>48</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>49</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>50</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>51</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
```

```
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>52</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>53</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>54</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>55</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>56</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>57</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>58</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>59</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>60</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>61</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
```

```
<ns1:CardItemValue>
  <ns1:Code>62</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>63</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>64</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
<ns1:CardItemValue>
  <ns1:Code>65</ns1:Code>
  <ns1:TestResult>1</ns1:TestResult>
</ns1:CardItemValue>
</ns1:Values>
<ns1:Vehicle>
  <ns1:Make>BA3</ns1:Make>
  <ns1:Model>2107</ns1:Model>
  <ns1:Modification>Het</ns1:Modification>
</ns1:Vehicle>
<ns1:VehicleCategory>B</ns1:VehicleCategory>
<ns1:VehicleCategory2>M1</ns1:VehicleCategory2>
<ns1:Vin>XXXXXXXXXXXXXXXXXXE</ns1:Vin>
<ns1:Year>2011</ns1:Year>
<ns1:FrameNumber>234</ns1:FrameNumber>
<ns1:EmptyMass>900</ns1:EmptyMass>
<ns1:MaxMass>1000</ns1:MaxMass>
<ns1:Fuel>PressureGas</ns1:Fuel>
<ns1:BrakingSystem>Hydraulic</ns1:BrakingSystem>
<ns1:Tyres>Aeolus</ns1:Tyres>
<ns1:Killometrage>20000</ns1:Killometrage>
<ns1:RegistrationDocument>
  <ns1:DocumentType>RegTalon</ns1:DocumentType>
  <ns1:Series>98444</ns1:Series>
  <ns1:Number>569231</ns1:Number>
  <ns1:Organization>ПВДП</ns1:Organization>
  <ns1>Date>2012-01-01T00:00:00</ns1>Date>
</ns1:RegistrationDocument>
</ns2:GetCardByVinResult>
```

```

</ns2:GetCardByVinResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

**с) Метод получения справочника результатов проверки**

Логическое имя метода: ListTestResult

**Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1.	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

**Структура пакета ответа:**

Элементы типа ListItem.

Описание типа ListItem

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Код	Текст	Code	да
2	Наименование	Текст	Title	да

**Контрольный пример запроса**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem>ListTestResult>
      <tem:user>
        <tec:Name>hmur</tec:Name>
        <tec>Password>hmur</tec>Password>
      </tem:user>
    </tem>ListTestResult>
  </soapenv:Body>
</soapenv:Envelope>

```

**Контрольный пример ответа**

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
  <SOAP-ENV:Body>
    <ns2>ListTestResultResponse>
      <ns2>ListItem>
        <ns1:Code>Passed</ns1:Code>
        <ns1>Title>Проверка пройдена</ns1>Title>
      </ns2>ListItem>
      <ns2>ListItem>

```

```

        <ns1:Code>NotPassed</ns1:Code>
        <ns1:Title>Проверка не пройдена</ns1:Title>
    </ns2:ListItem>
</ns2:ListTestResultResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

#### d) Метод получения справочника видов проверки

Логическое имя метода: *ListTestType*

##### Структура пакета запроса

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

##### Структура пакета ответа

Элементы типа ListItem.

##### Контрольный пример запроса

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
    <soapenv:Header/>
    <soapenv:Body>
        <tem:ListTestType>
            <tem:user>
                <tec:Name>hmur</tec:Name>
                <tec:Password>hmur</tec:Password>
            </tem:user>
        </tem:ListTestType>
    </soapenv:Body>
</soapenv:Envelope>

```

##### Пример ответа

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
    <SOAP-ENV:Body>
        <ns2:ListTestTypeResponse>
            <ns2:ListItem>
                <ns1:Code>Primary</ns1:Code>
                <ns1:Title>Первичная проверка</ns1:Title>
            </ns2:ListItem>
            <ns2:ListItem>
                <ns1:Code>Secondary</ns1:Code>
                <ns1:Title>Вторичная проверка</ns1:Title>
            </ns2:ListItem>
        </ns2:ListTestTypeResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

    </ns2:ListTestTypeResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

**е) Метод получения справочника типов топлива**

Логическое имя метода: ListFuel

**Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

**Структура пакета ответа**

Элементы типа ListItem.

**Контрольный пример запроса**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:ListFuel>
      <tem:user>
        <tec:Name>hmur</tec:Name>
        <tec:Password>hmur</tec:Password>
      </tem:user>
    </tem:ListFuel>
  </soapenv:Body>
</soapenv:Envelope>

```

**Пример ответа**

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
  <SOAP-ENV:Body>
    <ns2:ListFuelResponse>
      <ns2:ListItem>
        <ns1:Code>Petrol</ns1:Code>
        <ns1:Title>Бензин</ns1:Title>
      </ns2:ListItem>
      <ns2:ListItem>
        <ns1:Code>Diesel</ns1:Code>
        <ns1:Title>Дизельное топливо</ns1:Title>
      </ns2:ListItem>
      <ns2:ListItem>

```

```

        <ns1:Code>PressureGas</ns1:Code>
        <ns1:Title>Сжатый газ</ns1:Title>
    </ns2:ListItem>
    <ns2:ListItem>
        <ns1:Code>LiquefiedGas</ns1:Code>
        <ns1:Title>Сжиженный газ</ns1:Title>
    </ns2:ListItem>
</ns2:ListFuelResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## f) Метод получения справочника типов привода тормозной системы

Логическое имя метода: ListBrakingSystem

### Структура пакета запроса

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1.	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

### Структура пакета ответа

Элементы типа ListItem.

#### Контрольный пример запроса

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
    <soapenv:Header/>
    <soapenv:Body>
        <tem:ListBrakingSystem>
            <tem:user>
                <tec:Name>hmur</tec:Name>
                <tec:Password>hmur</tec:Password>
            </tem:user>
        </tem:ListBrakingSystem>
    </soapenv:Body>
</soapenv:Envelope>

```

#### Пример ответа

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
    <SOAP-ENV:Body>
        <ns2:ListBrakingSystemResponse>
            <ns2:ListItem>
                <ns1:Code>Mechanical</ns1:Code>
                <ns1:Title>Механический</ns1:Title>
            </ns2:ListItem>
        </ns2:ListBrakingSystemResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```



```

</ns2:ListItem>
<ns2:ListItem>
  <ns1:Code>Hydraulic</ns1:Code>
  <ns1:Title>Гидравлический</ns1:Title>
</ns2:ListItem>
<ns2:ListItem>
  <ns1:Code>Pneumatic</ns1:Code>
  <ns1:Title>Пневматический</ns1:Title>
</ns2:ListItem>
<ns2:ListItem>
  <ns1:Code>Combined</ns1:Code>
  <ns1:Title>Комбинированный</ns1:Title>
</ns2:ListItem>
<ns2:ListItem>
  <ns1:Code>None</ns1:Code>
  <ns1:Title>Без тормозной системы</ns1:Title>
</ns2:ListItem>
</ns2:ListBrakingSystemResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

**g) Метод получения справочника видов талонов**

Логическое имя метода: ListFormType

**Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1.	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

**Структура пакета ответа**

Элементы типа ListItem.

**Контрольный пример запроса**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
  <soapenv:Header/>
  <soapenv:Body>
    <tem>ListFormType>
      <tem:user>
        <tec:Name>hmur</tec:Name>
        <tec>Password>hmur</tec>Password>
      </tem:user>
    </tem>ListFormType>

```

```
</soapenv:Body>
</soapenv:Envelope>
```

### **Пример ответа**

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:ns2="http://tempuri.org/">
```

```
<SOAP-ENV:Body>
  <ns2:ListFormTypeResponse>
    <ns2:ListItem>
      <ns1:Code>Blank</ns1:Code>
      <ns1:Title>Бланк</ns1:Title>
    </ns2:ListItem>
    <ns2:ListItem>
      <ns1:Code>Certificate</ns1:Code>
      <ns1:Title>Сертификат</ns1:Title>
    </ns2:ListItem>
  </ns2:ListFormTypeResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **h) Метод получения справочника типов регистрационных документов**

Логическое имя метода: ListRegistrationDocumentType

#### **Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1.	Пользователь	UserInfo	user	да

Примечание: описание UserInfo – см. выше.

#### **Структура пакета ответа**

Элементы типа ListItem.

### **Контрольный пример запроса**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/"
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
```

```
<soapenv:Header/>
<soapenv:Body>
  <tem:ListRegistrationDocumentType>
    <tem:user>
      <tec:Name>hmur</tec:Name>
      <tec:Password>hmur</tec:Password>
    </tem:user>
  </tem:ListRegistrationDocumentType>
</soapenv:Body>
```

</soapenv:Envelope>

### *Пример ответа*

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:ns1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"  
xmlns:ns2="http://tempuri.org/">
```

```
<SOAP-ENV:Body>
```

```
<ns2:ListRegistrationDocumentTypeResponse>
```

```
<ns2:ListItem>
```

```
<ns1:Code>RegTalon</ns1:Code>
```

```
<ns1:Title>Свидетельство о регистрации транспортного средства</ns1:Title>
```

```
</ns2:ListItem>
```

```
<ns2:ListItem>
```

```
<ns1:Code>PTS</ns1:Code>
```

```
<ns1:Title>Паспорт транспортного средства</ns1:Title>
```

```
</ns2:ListItem>
```

```
</ns2:ListRegistrationDocumentTypeResponse>
```

```
</SOAP-ENV:Body>
```

```
</SOAP-ENV:Envelope>
```

ОПИСАНИЕ МЕТОДОВ СЕРВИСА ОПЕРАТОРА

а) **Метод изменения сведений результатов ТО**

Для изменения доступны результаты ТО, введённые в систему за последние 3 дня.

Логическое имя метода: ChangeCard

**Структура пакета запроса**

№	Описание поля	Формат поля	Название переменной в xml	Обязательность заполнения
1.	Пользователь	UserInfo	user	да
2.	Данные	Card	card	да

Примечания:

- описание UserInfo – см. выше.
- описание Card – см. выше.

**Контрольный пример запроса**

```
<soapenv:Envelope
xmlns:tec="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:tem="http://tempuri.org/" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<soapenv:Header/>
```

```
<soapenv:Body>
```

```
<tem:ChangeCard>
```

```
<tem:user>
```

```
<tec:Name>hmur</tec:Name>
```

```
<tec:Password>hmur</tec:Password>
```

```
</tem:user>
```

```
<tem:card>
```

```
<tec:Id>628</tec:Id>
```

```
<tec:BodyNumber>AF8888887</tec:BodyNumber>
```

```
<tec:CardIsSecondaryFor/>
```

```
<tec:CardIsDuplicateFor/>
```

```
<tec:DateOfDiagnosis>2012-01-07T00:00:00</tec:DateOfDiagnosis>
```

```
<tem:Form>
```

```
<tem:Comment>особые отметки7</tem:Comment>
```

```
<tem:Duplicate>>false</tem:Duplicate>
```

```
<tem:Number></tem:Number>
```

```
<tem:Series></tem:Series>
```

```
<tem:Status>New</tem:Status>
```

```
<tem:Type/>
```

```
<tem:Validity/>
```

```
</tem:Form>
```

```
<tec:Name>Кузнецов7</tec:Name>
```

```
<tec:FName>Иван7</tec:FName>
<tec:MName>Петрович7</tec:MName>
<tec>Note>Тестирование рулевого управления7</tec>Note>
<tec:RegistrationNumber>D322DD22Z8</tec:RegistrationNumber>
<tec:TestResult>NotPassed</tec:TestResult>
<tec:TestType>Primary</tec:TestType>
<tec:Values>
  <tec:CardItemValue>
    <tec:Code>5</tec:Code>
    <tec:TestResult>0</tec:TestResult>
  </tec:CardItemValue>
</tec:Values>
<tec:Vehicle>
  <tec:Make>BA37</tec:Make>
  <tec:Model>21077</tec:Model>
  <tec:Modification>Нет7</tec:Modification>
</tec:Vehicle>
<tec:VehicleCategory>B</tec:VehicleCategory>
<tec:VehicleCategory2>M1</tec:VehicleCategory2>
<tec:Vin>XXXXXXXXXXXXXXXXXXWP</tec:Vin>
<tec:Year>2007</tec:Year>
<tem:FrameNumber>2347</tem:FrameNumber>
<tem:EmptyMass>90077</tem:EmptyMass>
<tem:MaxMass>10007</tem:MaxMass>
<tem:Fuel>PressureGas</tem:Fuel>
<tem:BrakingSystem>Hydraulic</tem:BrakingSystem>
<tem:Tyres>Aeolus</tem:Tyres>
<tem:Kilometrage>200007</tem:Kilometrage>
<tem:RegistrationDocument>
  <tem:DocumentType>RegTalon</tem:DocumentType>
  <tem:Series>984447</tem:Series>
  <tem:Number>5692317</tem:Number>
  <tem:Organization>РВДП7</tem:Organization>
  <tem>Date>2012-01-07T00:00:00</tem>Date>
</tem:RegistrationDocument>
<tem:DateOfRetest>2012-01-27T00:00:00</tem:DateOfRetest>
</tem:card>
</tem:ChangeCard>
</soapenv:Body>
</soapenv:Envelope>
```

### *Контрольный пример ответа*

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:ns1="http://tempuri.org/"  
xmlns:ns2="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts">
```

```
<SOAP-ENV:Body>
```

```
<ns1:ChangeCardResponse>
```

```
<ns1:ChangeCardResult>true</ns1:ChangeCardResult>
```

```
<ns1:ChangedCard>
```

```
<ns2:Id>628</ns2:Id>
```

```
<ns2:BodyNumber>AF88888887</ns2:BodyNumber>
```

```
<ns2:DateOfDiagnosis>2012-01-26T00:00:00</ns2:DateOfDiagnosis>
```

```
<ns2:Form>
```

```
<ns2:Comment>особые отметки7</ns2:Comment>
```

```
<ns2:Duplicate>>false</ns2:Duplicate>
```

```
<ns2:Number>1237</ns2:Number>
```

```
<ns2:Series>c12c</ns2:Series>
```

```
<ns2:Type>Blank</ns2:Type>
```

```
<ns2:Validity/>
```

```
</ns2:Form>
```

```
<ns2:Name>Кузнецов7</ns2:Name>
```

```
<ns2:FName>Иван7</ns2:FName>
```

```
<ns2:MName>Петрович7</ns2:MName>
```

```
<ns2:Note>Тестирование рулевого управления7</ns2:Note>
```

```
<ns2:RegistrationNumber>D322DD22Z8</ns2:RegistrationNumber>
```

```
<ns2:TestResult>NotPassed</ns2:TestResult>
```

```
<ns2:TestType>Primary</ns2:TestType>
```

```
<ns2:Values>
```

```
<ns2:CardItemValue>
```

```
<ns2:Code>1</ns2:Code>
```

```
<ns2:TestResult>1</ns2:TestResult>
```

```
</ns2:CardItemValue>
```

```
<ns2:CardItemValue>
```

```
<ns2:Code>2</ns2:Code>
```

```
<ns2:TestResult>1</ns2:TestResult>
```

```
</ns2:CardItemValue>
```

```
<ns2:CardItemValue>
```

```
<ns2:Code>3</ns2:Code>
```

```
<ns2:TestResult>1</ns2:TestResult>
```

```
</ns2:CardItemValue>
```

```
<ns2:CardItemValue>
```

```
<ns2:Code>4</ns2:Code>
```

```
<ns2:TestResult>1</ns2:TestResult>
```

```
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>5</ns2:Code>
  <ns2:TestResult>0</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>6</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>7</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>8</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>9</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>10</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>11</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>12</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>13</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>14</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
```

```
<ns2:CardItemValue>
  <ns2:Code>15</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>16</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>17</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>18</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>19</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>20</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>21</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>22</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>23</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>24</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
```



```
<ns2:Code>25</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>26</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>27</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>28</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>29</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>30</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>31</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>32</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>33</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>34</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>35</ns2:Code>
```

```
<ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>36</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>37</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>38</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>39</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>40</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>41</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>42</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>43</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>44</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>45</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
```

```
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>46</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>47</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>48</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>49</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>50</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>51</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>52</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>53</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>54</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>55</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
```

```
<ns2:CardItemValue>
  <ns2:Code>56</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>57</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>58</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>59</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>60</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>61</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>62</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>63</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>64</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
<ns2:CardItemValue>
  <ns2:Code>65</ns2:Code>
  <ns2:TestResult>1</ns2:TestResult>
</ns2:CardItemValue>
</ns2:Values>
```

```
<ns2:Vehicle>
  <ns2:Make>BA37</ns2:Make>
  <ns2:Model>21077</ns2:Model>
  <ns2:Modification>Het7</ns2:Modification>
</ns2:Vehicle>
<ns2:VehicleCategory>B</ns2:VehicleCategory>
<ns2:VehicleCategory2>M1</ns2:VehicleCategory2>
<ns2:Vin>XXXXXXXXXXXXXXXXXXXX</ns2:Vin>
<ns2:Year>2007</ns2:Year>
<ns2:FrameNumber>2347</ns2:FrameNumber>
<ns2:EmptyMass>90077</ns2:EmptyMass>
<ns2:MaxMass>10007</ns2:MaxMass>
<ns2:Fuel>PressureGas</ns2:Fuel>
<ns2:BrakingSystem>Hydraulic</ns2:BrakingSystem>
<ns2:Tyres>Aeolus</ns2:Tyres>
<ns2:Kilometrage>200007</ns2:Kilometrage>
<ns2:RegistrationDocument>
  <ns2:DocumentType>RegTalon</ns2:DocumentType>
  <ns2:Series>984447</ns2:Series>
  <ns2:Number>5692317</ns2:Number>
  <ns2:Organization>PBDП7</ns2:Organization>
  <ns2>Date>1970-01-01T00:00:00</ns2>Date>
</ns2:RegistrationDocument>
  <ns2:DateOfRetest>2012-01-27T00:00:00</ns2:DateOfRetest>
</ns1:ChangedCard>
</ns1:ChangeCardResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## ОПИСАНИЕ XSD СХЕМ

## xsd0.xsd сервиса arm\_expert:

```
<?xml version="1.0" encoding="UTF-8"?>

  <xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://tempuri.org/"

    <xs:import
      schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsd1/dev/TechInspection.Domain.DataContracts.xsd"
      namespace="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>

    <xs:element name="RegisterCard">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="user" nillable="true" type="q1:UserInfo"
            xmlns:q1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
          <xs:element minOccurs="0" name="card" nillable="true" type="q2:Card"
            xmlns:q2="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="RegisterCardResponse">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="RegisterCardResult" type="xs:long"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="GetCardByvin">
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" name="user" nillable="true" type="q4:UserInfo"
            xmlns:q4="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
          <xs:element minOccurs="0" name="vin" nillable="true" type="xs:string"/>
          <xs:element minOccurs="0" name="regNumber" nillable="true" type="xs:string"/>
          <xs:element minOccurs="0" name="formNumber" nillable="true" type="xs:string"/>
          <xs:element minOccurs="0" name="formSeries" nillable="true" type="xs:string"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>

    <xs:element name="GetCardByvinResponse">
```

```

    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="GetCardByvinResult"
nillable="true" type="q5:Card"
xmlns:q5="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="ListTestResult">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="user" nillable="true" type="q6:UserInfo"
xmlns:q6="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="ListTestResultResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q7:ListItem"
xmlns:q7="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="ListTestType">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="user" nillable="true" type="q8:UserInfo"
xmlns:q8="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="ListTestTypeResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q9:ListItem"
xmlns:q9="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

<xs:element name="ListFuel">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="user" nillable="true" type="q10:UserInfo"
xmlns:q10="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListFuelResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q11:ListItem"
xmlns:q11="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListBrakingSystem">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="user" nillable="true" type="q12:UserInfo"
xmlns:q12="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListBrakingSystemResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q13:ListItem"
xmlns:q13="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListFormType">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="user" nillable="true" type="q14:UserInfo"
xmlns:q14="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```



```

<xs:element name="ListFormTypeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q15:ListItem"
xmlns:q15="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListRegistrationDocumentType">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" name="user" nillable="true" type="q16:UserInfo"
xmlns:q16="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ListRegistrationDocumentTypeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="ListItem" nillable="true"
type="q17:ListItem"
xmlns:q17="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

</xs:schema>

```

#### xsd0.xsd сервиса arm\_operator:

```

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://tempuri.org/"

  <xs:import
schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsd1/dev/TechInspection.Domain.DataContra
cts.xsd"
namespace="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>

  <xs:element name="ChangeCard">
    <xs:complexType>
      <xs:sequence>
        <xs:element minOccurs="0" name="user" nillable="true" type="q1:UserInfo"
xmlns:q1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
        <xs:element minOccurs="0" name="card" nillable="true" type="q2:Card"
xmlns:q2="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="ChangeCardResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="ChangeCardResult" type="xs:boolean"/>
            <xs:element minOccurs="0" name="ChangedCard" type="q3:Card"
xmlns:q3="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:schema>

```

TechInspection.Domain.DataContracts.xsd

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
xmlns:tns="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:q1="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q2="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q3="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q4="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q5="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q6="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q7="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
xmlns:q8="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
targetNamespace="http://schemas.datacontract.org/2004/07/TechInspection.Domain.DataContracts"
elementFormDefault="qualified">
    <xs:import
schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsd1/dev/TechInspection.Domain.Enums.xsd"
namespace="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"/>
    <xs:complexType name="UserInfo">
        <xs:sequence>
            <xs:element name="Name" type="xs:string" nillable="true"/>
            <xs:element name="Password" type="xs:string" nillable="true"/>
        </xs:sequence>
    </xs:complexType>
    <xs:element name="UserInfo" type="tns:UserInfo" nillable="true"/>
    <xs:complexType name="Card">
        <xs:sequence>
            <xs:element name="Id" type="xs:int" nillable="true" minOccurs="0"/>
            <xs:element name="CardIsSecondaryFor" type="xs:int" nillable="true"
minOccurs="0"/>
            <xs:element name="CardIsDuplicateFor" type="xs:int" nillable="true"
minOccurs="0"/>
            <xs:element name="BodyNumber" type="xs:string" nillable="true"
minOccurs="0"/>
            <xs:element name="DateOfDiagnosis" type="xs:dateTime"/>
            <xs:element name="Form" type="tns:Form" nillable="true" minOccurs="0"/>

```

```

<xs:element name="Name" type="xs:string" nillable="true"/>
<xs:element name="FName" type="xs:string"/>
<xs:element name="MName" type="xs:string" minOccurs="0"/>
<xs:element name="Note" type="xs:string" nillable="true" minOccurs="0"/>
minOccurs="0"/>
<xs:element name="RegistrationNumber" type="xs:string" nillable="true"

<xs:element name="TestResult" type="q1:TestResult"/>
<xs:element name="TestType" type="q2:TestType"/>
<xs:element name="Values" type="tns:ArrayOfCardItemValue" nillable="true"/>
<xs:element name="Vehicle" type="tns:Vehicle" nillable="true"/>
<xs:element name="VehicleCategory" type="xs:string" nillable="true"/>
<xs:element name="VehicleCategory2" type="xs:string"/>
<xs:element name="Vin" type="xs:string" nillable="true" minOccurs="0"/>
<xs:element name="Year" type="xs:int"/>
<xs:element name="FrameNumber" type="xs:string" minOccurs="0"/>
<xs:element name="EmptyMass" type="xs:int"/>
<xs:element name="MaxMass" type="xs:int"/>
<xs:element name="Fuel" type="q1:FuelType"/>
<xs:element name="BrakingSystem" type="q1:BrakingSystemType"/>
<xs:element name="Tyres" type="xs:string"/>
<xs:element name="Killometrage" type="xs:int"/>
<xs:element name="RegistrationDocument">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="DocumentType"
type="q1:RegistrationDocumentType"/>
            <xs:element name="Series" type="xs:string"/>
            <xs:element name="Number" type="xs:int"/>
            <xs:element name="Organization" type="xs:string"/>
            <xs:element name="Date" type="xs:dateTime"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="DateOfRetest" type="xs:dateTime" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
<xs:element name="Card" type="tns:Card" nillable="true"/>
<xs:complexType name="Form">
    <xs:sequence>
        <xs:element name="Comment" type="xs:string" nillable="true" minOccurs="0"/>
        <xs:element name="Duplicate" type="xs:boolean"/>
        <xs:element name="Number" type="xs:string" nillable="true"/>

```

```

        <xs:element name="Series" type="xs:string" nillable="true"/>
        <xs:element name="Type" type="q5:FormType"/>
        <xs:element name="Validity" type="xs:dateTime"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="Form" type="tns:Form" nillable="true"/>

<xs:complexType name="ArrayOfCardItemValue">
    <xs:sequence>
        <xs:element name="CardItemValue" type="tns:CardItemValue" nillable="true"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfCardItemValue" type="tns:ArrayOfCardItemValue" nillable="true"/>
<xs:complexType name="CardItemValue">
    <xs:sequence>
        <xs:element name="Code" type="xs:int"/>
        <xs:element name="TestResult" type="xs:int"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="CardItemValue" type="tns:CardItemValue" nillable="true"/>

<xs:complexType name="Vehicle">
    <xs:sequence>
        <xs:element name="Make" type="xs:string" nillable="true"/>
        <xs:element name="Model" type="xs:string" nillable="true"/>
        <xs:element name="Modification" type="xs:string" nillable="true"
minOccurs="0"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="Vehicle" type="tns:Vehicle" nillable="true"/>

<xs:complexType name="ArrayOfListItem">
    <xs:sequence>
        <xs:element name="ListItem" type="tns:ListItem" nillable="true"
minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:element name="ArrayOfListItem" type="tns:ArrayOfListItem" nillable="true"/>
<xs:complexType name="ListItem">
    <xs:sequence>
        <xs:element name="Code" type="xs:string" />

```

```

        <xs:element name="Title" type="xs:string" />
    </xs:sequence>
</xs:complexType>
    <xs:element name="ListItem" type="tns:ListItem" nillable="true"/>
</xs:schema>

```

### TechInspection.Domain.Enums.xsd

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:tns="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    xmlns:ns1="http://schemas.microsoft.com/2003/10/Serialization/"
    targetNamespace="http://schemas.datacontract.org/2004/07/TechInspection.Domain.Enums"
    elementFormDefault="qualified">
    <xs:import schemaLocation="http://eaisto.mvd.dev.armd.ru/common/ws/wsd1/dev/xsd1.xsd"
        namespace="http://schemas.microsoft.com/2003/10/Serialization/" />
    <xs:simpleType name="FormType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Blank">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="Certificate">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>
    <xs:element name="FormType" type="tns:FormType" nillable="true"/>
    <xs:simpleType name="TestResult">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Passed">
                <xs:annotation>
                    <xs:appinfo>
                        <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                    </xs:appinfo>
                </xs:annotation>
            </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>

```

```

        </xs:enumeration>
        <xs:enumeration value="NotPassed">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>
<xs:element name="TestResult" type="tns:TestResult" nillable="true"/>
<xs:simpleType name="TestType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Primary">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Secondary">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>
<xs:element name="TestType" type="tns:TestType" nillable="true"/>
<xs:simpleType name="RegistrationDocumentType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="RegTalon">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>

```

```

        <xs:enumeration value="PTS">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>
<xs:element name="RegistrationDocumentType" type="tns:RegistrationDocumentType"
nillable="true"/>
<xs:simpleType name="FuelType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Petrol">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Diesel">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="PressureGas">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="LiquefiedGas">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>

```

```

        </xs:annotation>
    </xs:enumeration>
</xs:restriction>
</xs:simpleType>
<xs:element name="FuelType" type="tns:FuelType" nillable="true"/>

<xs:simpleType name="BrakingSystemType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Mechanical">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">1</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Hydraulic">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">2</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Pneumatic">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">3</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="Combined">
            <xs:annotation>
                <xs:appinfo>
                    <EnumerationValue
xmlns="http://schemas.microsoft.com/2003/10/Serialization/">4</EnumerationValue>
                </xs:appinfo>
            </xs:annotation>
        </xs:enumeration>
    </xs:restriction>
</xs:simpleType>
<xs:element name="BrakingSystemType" type="tns:BrakingSystemType" nillable="true"/>

```



</xs:schema>

## xsd1.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<xs:schema attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/">
```

```
<xs:element name="anyType" nillable="true" type="xs:anyType"/>
```

```
<xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
```

```
<xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
```

```
<xs:element name="boolean" nillable="true" type="xs:boolean"/>
```

```
<xs:element name="byte" nillable="true" type="xs:byte"/>
```

```
<xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
```

```
<xs:element name="decimal" nillable="true" type="xs:decimal"/>
```

```
<xs:element name="double" nillable="true" type="xs:double"/>
```

```
<xs:element name="float" nillable="true" type="xs:float"/>
```

```
<xs:element name="int" nillable="true" type="xs:int"/>
```

```
<xs:element name="long" nillable="true" type="xs:long"/>
```

```
<xs:element name="QName" nillable="true" type="xs:QName"/>
```

```
<xs:element name="short" nillable="true" type="xs:short"/>
```

```
<xs:element name="string" nillable="true" type="xs:string"/>
```

```
<xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
```

```
<xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
```

```
<xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
```

```
<xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
```

```
<xs:element name="char" nillable="true" type="tns:char"/>
```

```
<xs:simpleType name="char">
```

```
<xs:restriction base="xs:int"/>
```

```
</xs:simpleType>
```

```
<xs:element name="duration" nillable="true" type="tns:duration"/>
```

```
<xs:simpleType name="duration">
```

```
<xs:restriction base="xs:duration">
```

```
<xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)" />
```

```
<xs:minInclusive value="-P10675199DT2H48M5.4775808S" />
```

```
<xs:maxInclusive value="P10675199DT2H48M5.4775807S" />
```

```
</xs:restriction>
```

```
</xs:simpleType>
```

```
<xs:element name="guid" nillable="true" type="tns:guid"/>
```

```
<xs:simpleType name="guid">
```

```
<xs:restriction base="xs:string">
```

```
<xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{12}" />
```

```
    </xs:restriction>
  </xs:simpleType>
  <xs:attribute name="FactoryType" type="xs:QName"/>
  <xs:attribute name="Id" type="xs:ID"/>
  <xs:attribute name="Ref" type="xs:IDREF"/>
</xs:schema>
```