Web service specification

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| GENERAL INFORMATION |  |
| Project name | eNaročanje |
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| Authors | IN2 eNaročanje |

# General information

API of the central ordering system is implemented using set of methods in web service. All methods consist of two parameters:

1. **Version parameter** - is version of the message which is being sent. In the future, when change of the message structure occurs, version parameter will be updated. System supports version ***n*** and ***n-1***. Current version of all messages is 1.
2. **Message parameter** - is the message, structured as XML. Schema definitions and examples of XML messages are provided in this document. In case of referral data, XML schema is validated with openEHR shema definitions.

Security token (generated by security model) will be required in each method call.

## . Error handling

Error code is provided as data field in response messages. This is used for bussines process restricitions and validation (i.e. medical procedure is forbidden for diagnosis).

Message validation messages, data validation messages are return in form of a SOAP exception in which error code is provided also.

# HOS web service

The Hospital Ordering System (HOS) must implement the following web service methods:

1. string GetFreeSlotForProcedure(Int32 version, string openEHRRequest)
2. string GetAppointmentsForProcedure(Int32 version, string openEHRRequest)
3. string CreatePrereservationForProcedure(Int32 version, string openEHRRequest)
4. string BookReservation(Int32 version, string openEHRRequest)
5. string CancelReservation(Int32 version, string openEHRRequest)
6. string GetRealisationsForProcedure(Int32 version, string openEHRRequest)

Each method is called with the communication protocol version and an XML message respresenting the request message passed as parameters. Each method returns an XML respresenting the response message.

Each message can be validated with its corresponding XSD schema which is provided in this document. A message is considered valid when it can successfully be validated with its corresponding XSD schema.

Starting version is 1.

## HOS web service WSDL

HOS web service WSDL can be found in the ‘HOSWebServiceWSDL.wsdl’ file.

## GetFreeSlotForProcedure

### GetFreeSlotForProcedure request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="SlotSize">

<xs:complexType>

<xs:simpleContent>

<xs:extension base="xs:integer">

<xs:attribute name="urgencyCode" use="required">

<xs:simpleType>

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

<xs:enumeration value="4" />

<xs:enumeration value="3" />

<xs:enumeration value="2" />

</xs:restriction>

</xs:simpleType>

</xs:attribute>

</xs:extension>

</xs:simpleContent>

</xs:complexType>

</xs:element>

<xs:element name="GetFreeSlotsReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element ref="SlotSize" />

<xs:element ref="SlotSize" />

<xs:element ref="SlotSize" />

</xs:sequence>

</xs:complexType>

<xs:unique name="urgencyCode">

<xs:selector xpath="SlotSize" />

<xs:field xpath="@urgencyCode" />

</xs:unique>

</xs:element>

</xs:schema>

### GetFreeSlotForProcedure response message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="BlockSlotSize" nillable="true">

<xs:complexType>

<xs:simpleContent>

<xs:extension base="xs:integer">

<xs:attribute name="urgencyCode" use="required">

<xs:simpleType>

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

<xs:enumeration value="4" />

<xs:enumeration value="3" />

<xs:enumeration value="2" />

</xs:restriction>

</xs:simpleType>

</xs:attribute>

</xs:extension>

</xs:simpleContent>

</xs:complexType>

</xs:element>

<xs:element name="FreeSlotDate" nillable="true">

<xs:complexType>

<xs:simpleContent>

<xs:extension base="xs:dateTime">

<xs:attribute name="urgencyCode" use="required">

<xs:simpleType>

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

<xs:enumeration value="4" />

<xs:enumeration value="3" />

<xs:enumeration value="2" />

</xs:restriction>

</xs:simpleType>

</xs:attribute>

</xs:extension>

</xs:simpleContent>

</xs:complexType>

</xs:element>

<xs:element name="FreeBlockSlotDate" nillable="true">

<xs:complexType>

<xs:simpleContent>

<xs:extension base="xs:dateTime">

<xs:attribute name="urgencyCode" use="required">

<xs:simpleType>

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

<xs:enumeration value="4" />

<xs:enumeration value="3" />

<xs:enumeration value="2" />

</xs:restriction>

</xs:simpleType>

</xs:attribute>

</xs:extension>

</xs:simpleContent>

</xs:complexType>

</xs:element>

<xs:element name="GetFreeSlotsResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="ResponseCode">

<xs:simpleType>

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

<xs:enumeration value="01" />

<xs:enumeration value="02" />

<xs:enumeration value="03" />

<xs:enumeration value="04" />

<xs:enumeration value="05" />

<xs:enumeration value="06" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element ref="BlockSlotSize" />

<xs:element ref="FreeSlotDate" />

<xs:element ref="FreeBlockSlotDate" />

<xs:element ref="BlockSlotSize" />

<xs:element ref="FreeSlotDate" />

<xs:element ref="FreeBlockSlotDate" />

<xs:element ref="BlockSlotSize" minOccurs="0" maxOccurs="1" />

<xs:element ref="FreeSlotDate" minOccurs="0" maxOccurs="1" />

<xs:element ref="FreeBlockSlotDate" minOccurs="0" maxOccurs="1" />

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

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

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

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

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

<xs:element name="OfficeEMail" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[^@]+@[^\.]+\..+" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

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

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

<xs:element name="MedicalProcedureContacts" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalProcedureContact" minOccurs="1" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="MPContactBPI" type="xs:string" />

<xs:element name="MPContactName" type="xs:string" />

<xs:element name="MPContactSurname" type="xs:string" />

<xs:element name="MPContactEmail" >

<xs:simpleType>

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

<xs:pattern value="[^@]+@[^\.]+\..+"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

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

</xs:sequence>

</xs:complexType>

<xs:unique name="urgencyCodeBlockSlotSize">

<xs:selector xpath="BlockSlotSize" />

<xs:field xpath="@urgencyCode" />

</xs:unique>

<xs:unique name="urgencyCodeFreeSlotDate">

<xs:selector xpath="FreeSlotDate" />

<xs:field xpath="@urgencyCode" />

</xs:unique>

<xs:unique name="urgencyCodeFreeBlockSlotDate">

<xs:selector xpath="FreeBlockSlotDate" />

<xs:field xpath="@urgencyCode" />

</xs:unique>

</xs:element>

</xs:schema>

### GetFreeSlotForProcedure request message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1001</MedicalProcedureCode>

<SlotSize urgencyCode="4">4</SlotSize>

<SlotSize urgencyCode="3">4</SlotSize>

<SlotSize urgencyCode="2">4</SlotSize>

</GetFreeSlotsReq>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure for which are the slots and appointments are managed* |
| BlockSlotSize | *Number of slots requested for urgency type code* |
| UrgencyCode | *Code of urgency type (references catalog “Urgency types”)* |

### GetFreeSlotForProcedure response message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1001</MedicalProcedureCode>

<ResponseCode>01</ResponseCode>

<BlockSlotSize urgencyCode="4">4</BlockSlotSize>

<FreeSlotDate urgencyCode="4">2014-01-02T12:05:55</FreeSlotDate>

<FreeBlockSlotDate urgencyCode="4">2014-01-05T08:00:30</FreeBlockSlotDate>

<BlockSlotSize urgencyCode="3">4</BlockSlotSize>

<FreeSlotDate urgencyCode="3">2014-02-02T17:01:46</FreeSlotDate>

<FreeBlockSlotDate urgencyCode="3">2014-02-22T17:01:46</FreeBlockSlotDate>

<BlockSlotSize urgencyCode="2">4</BlockSlotSize>

<FreeSlotDate urgencyCode="2">2014-01-28T17:01:46</FreeSlotDate>

<FreeBlockSlotDate urgencyCode="2">2014-02-01T17:01:46</FreeBlockSlotDate>

<OfficeBussinessHours>08:00-16:00</OfficeBussinessHours>

<OfficeAddress>Vladimira Ruždjaka 13</OfficeAddress>

<OfficePostalCode>10000</OfficePostalCode>

<OfficeCity>Zagreb</OfficeCity>

<OfficeWebAddress>www.zzo.slo</OfficeWebAddress>

<OfficeEMail>email@zzo.slo</OfficeEMail>

<OfficePhone>045/231-397</OfficePhone>

<OfficeFax>047/233-398</OfficeFax>

<AdditionalNotes>Aditional notes</AdditionalNotes>

<MedicalProcedureContacts>

<MedicalProcedureContact>

<MPContactBPI>12345</MPContactBPI>

<MPContactName>Odgovorna</MPContactName>

<MPContactSurname>Osoba</MPContactSurname>

<MPContactEmail>odgovorna.osoba@mail.com</MPContactEmail>

</MedicalProcedureContact>

<MedicalProcedureContact>

<MPContactBPI>67890</MPContactBPI>

<MPContactName>Druga</MPContactName>

<MPContactSurname>Osoba</MPContactSurname>

<MPContactEmail>druga.osoba@mail.com</MPContactEmail>

</MedicalProcedureContact>

</MedicalProcedureContacts>

<ErrorCode xsi:nil="true" />

</GetFreeSlotsResp>

**Field description:**

|  |  |  |  |
| --- | --- | --- | --- |
| FieldName | | Description | |
| MedicalFacilityCode | | *Code of the hospital for which are the slots and appointments are being managed* | |
| MedicalFacilitySpecificCode | | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* | |
| MedicalProcedureCode | | *Code of the medical procedure for which are the slots and appointments are managed* | |
| ResponseCode | | *Code of the response for free slot message. See catalog “Responses” for reference* | |
| BlockSlotSize | | *Number of slots requested for urgency type code* | |
| UrgencyCode | | *Code of urgency type (references catalog “Urgency types”)* | |
| FreeSlotDate | | *Date of the first free slot* | |
| FreeBlockSlotDate | | *Date of the first block slot* | |
| OfficeBussinessHours | | *Bussiness hours of the office handling the medical procedure. Data for entire medical facility can be provided if his information can not be provided for specific office/department.* | |
| OfficeAddress | | *-II-* | |
| OfficePostalCode | | *-II-* | |
| OfficeCity | | *-II-* | |
| OfficeWebAddress | | *-II-* | |
| OfficeEMail | | *-II-* | |
| OfficePhone | | *-II-* | |
| OfficeFax | | *-II-* | |
| AdditionalNotes | | *Additonal notes of the response* | |
| MedicalProcedureContact | | *Information about person responsible for medical procedure in facility. There can be multiple persons per medical procedure* | |
| MPContactBPI | | *Identifier of the person responsible for medical procedure in facility* |
| MPContactName | | *First name of the person responsible for medical procedure in facility* |
| MPContactSurname | | *Last name of the person responsible for medical procedure in facility* |
| MPContactEmail | | *Email of the person responsible for medical procedure in facility* |
| ErrorCode | | *Should be used if there was some error in retrieving free slots ( “Error types” catalog code)* | |

## GetAppointmentsForProcedure

### GetAppointmentsForProcedure request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetAppointmentsReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="FromDate" type="xs:dateTime" />

<xs:element name="PageNumber" type="xs:integer" minOccurs="0" nillable="true"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### GetAppointmentsForProcedure response message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetAppointmentsResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PagingInfo" minOccurs="0" maxOccurs="1" nillable="true">

<xs:complexType>

<xs:sequence>

<xs:element name="PageNumber" type="xs:integer" />

<xs:element name="PageSize" type="xs:integer" />

<xs:element name="RemainingNumber" type="xs:integer" />

<xs:element name="TotalNumber" type="xs:integer" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="PatientAppointments">

<xs:complexType>

<xs:sequence>

<xs:element name="PatientAppointment" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="PatientInfo">

<xs:complexType>

<xs:sequence>

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

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

<xs:element name="PatientPhone" type="xs:string" minOccurs="0" nillable="true" />

<xs:element name="PatientMobile" type="xs:string" minOccurs="0" nillable="true" />

<xs:element name="PatientEmail" nillable="true" minOccurs="0" >

<xs:simpleType>

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

<xs:pattern value="[^@]+@[^\.]+\..+" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}"/>

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

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

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

<xs:element name="InsuranceStateCode">

<xs:simpleType>

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

<xs:pattern value="[A-Z]{2}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientBirthDate" type="xs:dateTime" />

<xs:element name="PatientSex">

<xs:simpleType>

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

<xs:enumeration value="M" />

<xs:enumeration value="F" />

<xs:enumeration value="N" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientAppointmentContacts" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="PatientAppointmentContact" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="Phone" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="Mobile" type="xs:string" minOccurs="0" nillable="true"/>

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

<xs:element name="Email" type="xs:string" minOccurs="0" nillable="true"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="AppointmentInfo">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalProcedureInternalIdentifier" minOccurs="0" nillable="true" />

<xs:element name="AppointmentTypeCode">

<xs:simpleType>

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

<xs:enumeration value="SCH" />

<xs:enumeration value="ORD" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalActivityFirstTypeCode" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{3}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalActivitySecondTypeCode" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{3}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="EntryDate" type="xs:dateTime" />

<xs:element name="AppointmentDate" type="xs:dateTime" />

<xs:element name="UrgencyTypeCode">

<xs:simpleType>

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

<xs:enumeration value="1" />

<xs:enumeration value="2" />

<xs:enumeration value="3" />

<xs:enumeration value="4" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="AppointmentBookerCode" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5,6}([0-9]{3})?" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

<xs:element name="ControlExam" type="xs:boolean" />

<xs:element name="RequestedByPatient"

type="xs:string" nillable="true"/>

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

<xs:element name="WantsSpecificDoctor" type="xs:boolean" />

<xs:element name="WasInformedOfOthers" type="xs:boolean" />

<xs:element name="PatientInformedDate" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="ReferralAdmissionDate" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="PreviousReferralUniqueIdentifier" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="TriageHealthcareProviderBpi" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="TriageHealthcareProviderName" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="TriageHealthcareProviderSurname" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="TriageDate" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="MedicalIndicationProviderBpi" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="MedicalIndicationProviderName" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="MedicalIndicationProviderSurname" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="PatientRequestedProviderBpi" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="PatientRequestedProviderName" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="PatientRequestedProviderSurname" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="FirstAvailableDate" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="TemporaryAppointmentDate" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="AppointmentDateOld" type="xs:dateTime" minOccurs="0" nillable="true" />

<xs:element name="AppointmentRescheduledReason" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="ReservationSourceTypeCode" type="xs:string" minOccurs="0" nillable="true"/>

<xs:element name="NewUrgencyTypeCode" minOccurs="0" nillable="true">

<xs:simpleType>

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

<xs:enumeration value="1"/>

<xs:enumeration value="2"/>

<xs:enumeration value="3"/>

<xs:enumeration value="4"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### GetAppointmentsForProcedure request message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>

<FromDate>2014-01-02T17:01:46</FromDate>

<PageNumber>2</PageNumber>

</GetAppointmentsReq>

Field description

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure for which are the slots and appointments are managed* |
| FromDate | *From which date to get the appointments* |
| PageNumber | *Number of page for which to get appointments* |

### ­GetAppointmentsForProcedure response message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>

<PagingInfo>

<PageNumber>2</PageNumber>

<PageSize>2</PageSize>

<RemainingNumber>2</RemainingNumber>

<TotalNumber>4</TotalNumber>

</PagingInfo>

<PatientAppointments>

<PatientAppointment>

<PatientInfo>

<PatientName>Ivor</PatientName>

<PatientSurname>Markoni</PatientSurname>

<PatientUniqueIdentifier>1235556784444</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>555INS</PatientInsuranceIdentifier>

<PatientEUCardNumber>555EU</PatientEUCardNumber>

<PatientDocumentNumber>555DOK</PatientDocumentNumber>

<InsuranceStateCode>HR</InsuranceStateCode>

<PatientBirthDate>1989-10-30T00:00:00</PatientBirthDate>

<PatientSex>M</PatientSex>

<PatientAppointmentContacts>

<PatientAppointmentContact>

<Phone>01237555</Phone>

<Mobile>097255518</Mobile>

<Note>Pacient sam</Note>

<Email>ivor.markoni@gmail.com</Email>

</PatientAppointmentContact>

<PatientAppointmentContact>

<Phone>01237539</Phone>

<Mobile>098234318</Mobile>

<Note>Skrbnik</Note>

<Email>anica.kovac@gmail.com</Email>

</PatientAppointmentContact>

</PatientAppointmentContacts>

</PatientInfo>

<AppointmentInfo>

<MedicalProcedureInternalIdentifier>UZV koljena interni naziv</MedicalProcedureInternalIdentifier>

<AppointmentTypeCode>ORD</AppointmentTypeCode>

<AppointmentUniqueIdentifier>151515151555555</AppointmentUniqueIdentifier>

<MedicalActivityFirstTypeCode>100</MedicalActivityFirstTypeCode>

<MedicalActivitySecondTypeCode>101</MedicalActivitySecondTypeCode>

<EntryDate>2013-10-30T09:00:00</EntryDate>

<AppointmentDate>2013-11-30T00:00:00</AppointmentDate>

<UrgencyTypeCode>2</UrgencyTypeCode>

<AppointmentBookerCode>09939</AppointmentBookerCode>

<ReferralUniqueIdentifier>555REF</ReferralUniqueIdentifier>

<ControlExam>true</ControlExam>

<RequestedByPatient>1</RequestedByPatient>

<MedicallyConditioned>2</MedicallyConditioned>

<WantsSpecificDoctor>true</WantsSpecificDoctor>

<WasInformedOfOthers>false</WasInformedOfOthers>

<PatientInformedDate>2013-10-30T09:00:00</PatientInformedDate>

<ReferralAdmissionDate>2013-10-30T09:00:00</ReferralAdmissionDate>

<PreviousReferralUniqueIdentifier>123456789</PreviousReferralUniqueIdentifier>

<TriageHealthcareProviderBpi>12345</TriageHealthcareProviderBpi>

<TriageHealthcareProviderName>Celestin</TriageHealthcareProviderName>

<TriageHealthcareProviderSurname>Vodnjov</TriageHealthcareProviderSurname>

<TriageDate>2013-11-05T09:00:00</TriageDate>

<MedicalIndicationProviderBpi>58794</MedicalIndicationProviderBpi>

<MedicalIndicationProviderName>Dejana</MedicalIndicationProviderName>

<MedicalIndicationProviderSurname>Piliček</MedicalIndicationProviderSurname>

<PatientRequestedProviderBpi>58794</PatientRequestedProviderBpi>

<PatientRequestedProviderName>Dejana</PatientRequestedProviderName>

<PatientRequestedProviderSurname>Piliček</PatientRequestedProviderSurname>

<FirstAvailableDate></FirstAvailableDate>

<TemporaryAppointmentDate>2013-11-30T00:00:00</TemporaryAppointmentDate>

<AppointmentDateOld>2013-11-20T00:00:00</AppointmentDateOld>

<AppointmentRescheduledReason>Bolest zdravnika</AppointmentRescheduledReason>

<ReservationSourceTypeCode>1</ReservationSourceTypeCode>

<NewUrgencyTypeCode>2</NewUrgencyTypeCode>

</AppointmentInfo>

</PatientAppointment>

<PatientAppointment>

<PatientInfo>

<PatientName>Jasna</PatientName>

<PatientSurname>Grižić</PatientSurname>

<PatientUniqueIdentifier>1235556784445</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>777INS</PatientInsuranceIdentifier>

<PatientEUCardNumber>777EU</PatientEUCardNumber>

<PatientDocumentNumber>777DOK</PatientDocumentNumber>

<InsuranceStateCode>HR</InsuranceStateCode>

<PatientAppointmentContacts>

<PatientAppointmentContact>

<Phone>01237777</Phone>

<Mobile>091277718</Mobile>

<Note>Pacient sam</Note>

<Email>jasna.grizic@gmail.com</Email>

</PatientAppointmentContact>

<PatientAppointmentContact>

<Phone>013555539</Phone>

<Mobile>091909318</Mobile>

<Note>Skrbnik</Note>

<Email>anka.horvat@gmail.com</Email>

</PatientAppointmentContact>

</PatientAppointmentContacts>

</PatientInfo>

<AppointmentInfo>

<MedicalProcedureInternalIdentifier>UZV koljena interni naziv2</MedicalProcedureInternalIdentifier>

<AppointmentTypeCode>ORD</AppointmentTypeCode>

<AppointmentUniqueIdentifier>151515151555556</AppointmentUniqueIdentifier>

<MedicalActivityFirstTypeCode>100</MedicalActivityFirstTypeCode>

<MedicalActivitySecondTypeCode>101</MedicalActivitySecondTypeCode>

<EntryDate>2013-10-30T10:00:00</EntryDate>

<AppointmentDate>2013-11-15T00:00:00</AppointmentDate>

<UrgencyTypeCode>2</UrgencyTypeCode>

<AppointmentBookerCode>09939</AppointmentBookerCode>

<ReferralUniqueIdentifier>777REF</ReferralUniqueIdentifier>

<ControlExam>true</ControlExam>

<RequestedByPatient>1</RequestedByPatient>

<MedicallyConditioned>2</MedicallyConditioned>

<WantsSpecificDoctor>true</WantsSpecificDoctor>

<WasInformedOfOthers>false</WasInformedOfOthers>

<PatientInformedDate>2013-10-30T10:00:00</PatientInformedDate>

<ReferralAdmissionDate>2013-10-30T10:00:00</ReferralAdmissionDate>

<PreviousReferralUniqueIdentifier>123456789</PreviousReferralUniqueIdentifier>

<TriageHealthcareProviderBpi>12345</TriageHealthcareProviderBpi>

<TriageHealthcareProviderName>Celestin</TriageHealthcareProviderName>

<TriageHealthcareProviderSurname>Vodnjov</TriageHealthcareProviderSurname>

<TriageDate>2013-11-05T09:00:00</TriageDate>

<MedicalIndicationProviderBpi>58794</MedicalIndicationProviderBpi>

<MedicalIndicationProviderName>Dejana</MedicalIndicationProviderName>

<MedicalIndicationProviderSurname>Piliček</MedicalIndicationProviderSurname>

<PatientRequestedProviderBpi>58794</PatientRequestedProviderBpi>

<PatientRequestedProviderName>Dejana</PatientRequestedProviderName>

<PatientRequestedProviderSurname>Piliček</PatientRequestedProviderSurname>

<FirstAvailableDate></FirstAvailableDate>

<TemporaryAppointmentDate>2013-11-15T00:00:00</TemporaryAppointmentDate>

<AppointmentDateOld>2013-11-10T00:00:00</AppointmentDateOld>

<AppointmentRescheduledReason>Bolest zdravnika</AppointmentRescheduledReason>

<ReservationSourceTypeCode>1</ReservationSourceTypeCode>

<NewUrgencyTypeCode>2</NewUrgencyTypeCode>

</AppointmentInfo>

</PatientAppointment>

</PatientAppointments>

<ErrorCode xsi:nill="true" />

</GetAppointmentsResp>

|  |  |  |  |
| --- | --- | --- | --- |
| FieldName | | Description | |
| MedicalFacilityCode | | *Code of the hospital for which are the slots and appointments are being managed* | |
| MedicalFacilitySpecificCode | | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* | |
| MedicalProcedureCode | | *Code of the medical procedure for which are the slots and appointments are managed* | |
| MedicalProcedureInternalIdentifier | | *Name of the procedure in the hospital.* | |
| PageNumber | | *The number of page for which appointments were returned* | |
| PageSize | | *Number of appointments sent in current page/response* | |
| RemainingNumber | | *Number of appointments that are not yet sent to COS; when value is equal to 0 paging is complete and it is considered that all appointments are sent to COS* | |
| TotalNumber | | *Total number of appointments for current medical procedure (the sum of appointments sent throughout all pages)* | |
| PatientSurname | | *Patient surname (last name)* | |
| PatientAppointmentContact | | *Contact information for certain appointment. There can be multiple contacts per one appointment* | |
| Phone | | *Contact landline phone* |
| Mobile | | *Contact mobile phone* |
| Note | | *Information about contact person* |
| Email | | *Contact e-mail* |
| PatientUniqueIdentifier | | *EMŠO* | |
| PatientInsuranceIdentifier | | *ZZZS* | |
| PatientEUCardNumber | | *Number of the EU card* | |
| PatientDocumentNumber | | *Number of personal document (passport or ID card)* | |
| InsuranceStateCode | | *State of insurance (ISO 3166 codes!)* | |
| PatientBirhDate | | *Patient date of birth* | |
| PatientSex | | *Patient sex* | |
| AppointmentTypeCode | | *Type of appointment, references catalogue “Appointment types”* | |
| AppointmentUniqueIdentifier | | *Unique identifier of the appointment* | |
| MedicalActivityFirstTypeCode | | *References catalogue “VZD”. First VZD code* | |
| MedicalActivitySecondTypeCode | | *References catalogue “VZD”. Second VZD code* | |
| EntryDate | | *Date when entry was created* | |
| AppointmentDate | | *Date of the scheduled appointment* | |
| UrgencyTypeCode | | *Code of urgency type (references catalogue “Urgency types”)* | |
| AppointmentBookerCode | | *If appointment is made by doctor, doctor code is used. If appointment is created by patient via public eAppointment web portal, then ZZZS is used* | |
| ReferralUniqueIdentifier | | *Unique identifier of referral for which the appointment is created* | |
| ControlExam | | *True or False. Indicator if this is a control exam appointment* | |
| RequestedByPatient | | *Code of RequestedByPatient catalogue . Indicates the reason the appointment is requested by patient.* | |
| MedicallyConditioned | | *Code of MedicallyConditioned catalogue . Indicates the reason appointment is medically conditioned* | |
| WantsSpecificDoctor | | *True or False. Indicates if the appointment was selected based on the doctor performing the appointment* | |
| WasInformedOfOthers | | *True or False. Indicates if the patient was aware of other earlier appointments (if they existed at the time of appointment reservation) in case when selected appointment is outside of legal boundaries for medical procedure* | |
| PatientInformedDate | | *Date and time when the patient was informed that the appointment was made* | |
| ReferralAdmissionDate | | *Date and time when the referral document or certificate of referral creation was brought to medical facility. Appointment creation was based on this document* | |
| PreviousReferralUniqueIdentifier | | *Identifier of previous referral* | |
| TriageHealthcareProviderBpi | | *Identifier of the person which made triage of referral before appointment creation* | |
| TriageHealthcareProviderName | | *First name of the person which made triage of referral before appointment creation* | |
| TriageHealthcareProviderSurname | | *Last name of the person which made triage of referral before appointment creation* | |
| TriageDate | | *Date and time of triage of referral made before appointment creation* | |
| MedicalIndicationProviderBpi | | *Identifier of the person which made the decision that the appointment has medical indication* | |
| MedicalIndicationProviderName | | *First name of the person which made the decision that the appointment has medical indication* | |
| MedicalIndicationProviderSurname | | *Last name of the person which made the decision that the appointment has medical indication* | |
| PatientRequestedProviderBpi | | *Identifier of the doctor which patient specifically requested* | |
| PatientRequestedProviderName | | *First name of the doctor which patient specifically requested* | |
| PatientRequestedProviderSurname | | *Last name of the doctor which patient specifically requested* | |
| FirstAvailableDate | | *Date and time of first available appointment date at the time when the appointment was made. Should be filled if chosen appointment date wasn’t the first available* | |
| TemporaryAppointmentDate | | *Date and time of temporary appointment date (appointment type “ORD” which indicates queue).* | |
| AppointmentDateOld | | *Date and time of the original appointment date regardless of appointment type. Should be filled if there was some change made to appointment date* | |
| AppointmentRescheduledReason | | *Reason why there was some shange made to appointment date* | |
| ReservationSourceTypeCode | | *Indication how or by whom was appointment created (references catalog “Reservation Source type”)* | |
| NewUrgencyTypeCode | | *Code of new urgency type (references catalogue “Urgency types”). Should be filled if there was a change to original urgency type* | |

### Paging

In the GetAppointmentForProcedure process, there could be a situation when there is a large number of open appointments that cannot be sent in one message due to the length limitation of the protocol. For this purpose, central ordering system (COS) supports paging, a principle where the total number of appointments is divided into smaller portions – pages. Each page is then communicated with COS through sequential requests and responses. The initial request from COS is in the same format like before containing no new fields. If the HOS determines that paging should be used, it responds to the COS with new fields in response message. After that, every new request from COS for that medical procedure contains the page number that should be returned. For HOS's that do not need paging all messages remain like before, without new fields.

## CreatePrereservationForProcedure

### CreatePrereservationForProcedure request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreatePrereservationForProcedureReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="BookerIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}([0-9]{4})?" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element name="UrgencyTypeCode">

<xs:simpleType>

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

<xs:enumeration value="4" />

<xs:enumeration value="3" />

<xs:enumeration value="2" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="StartDate" type="xs:dateTime" />

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}"/>

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}"/>

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientBirthDate" type="xs:dateTime" />

<xs:element name="PatientSex">

<xs:simpleType>

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

<xs:enumeration value="M" />

<xs:enumeration value="F" />

<xs:enumeration value="N" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="ReferralDiagnosis">

<xs:simpleType>

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

<xs:pattern value="[a-tv-zA-TV-Z][0-9][a-zA-Z0-9](\.[a-zA-Z0-9]{1,4}){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="Time" type="xs:time" nillable="true" />

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

<xs:element name="DaysForPrecedences" type="xs:int" />

<xs:element name="Pregnancy" type="xs:boolean" />

<xs:element name="Breastfeeding" type="xs:boolean" />

<xs:element name="Prevention" type="xs:boolean" />

<xs:element name="Inability" type="xs:boolean" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### CreatePrereservationForProcedure response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreatePrereservationForProcedureResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="Prereservations">

<xs:complexType>

<xs:sequence>

<xs:element name="Prereservation" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="ID" type="xs:string" />

<xs:element name="TypeCode">

<xs:simpleType>

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

<xs:enumeration value="SCH" />

<xs:enumeration value="ORD" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

<xs:element name="Name" type="xs:string" />

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

<xs:element name="ResponseCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### CreatePrereservationForProcedure request message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>

<BookerIdentifier>12345</BookerIdentifier>

<ReferralUniqueIdentifier>555REF</ReferralUniqueIdentifier>

<UrgencyTypeCode>2</UrgencyTypeCode>

<StartDate>2013-10-30T09:00:00</StartDate>

<PatientUniqueIdentifier>5556667778889</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientBirthDate>1987-10-25T09:00:00</PatientBirthDate>

<PatientSex>M</PatientSex>

<ReferralDiagnosis>I20</ReferralDiagnosis>

<Time>09:00:00</Time>

<BeforeAfterTime>true</BeforeAfterTime>

<DaysForPrecedences>5</DaysForPrecedences>

<Pregnancy>true</Pregnancy>

<Breastfeeding>false</Breastfeeding>

<Prevention>true</Prevention>

<Inability>true</Inability>

</CreatePrereservationForProcedureReq>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure for which are the slots and appointments are managed* |
| BookerIdentifier | *If appointment is made by doctor, doctor code is used. If appointment is created by patient via public eAppointment web portal, then is empty (“nill”)* |
| ReferralUniqueIdentifier | *Unique identifier of referral for which the appointment is created* |
| UrgencyTypeCode | *Code of urgency type (references catalogue “Urgency types”)* |
| StartDate | *The starting date from which the system search terms* |
| PatientUniqueIdentifier | *EMŠO* |
| PatientInsuranceIdentifier | *ZZZS* |
| PatientBirthDate | *Patinent birth date* |
| PatientSex | *Gender of the patinent, references cataloque “Patient gender”* |
| ReferralDiagnosis | *Diagnosis code (references ICD)* |
| Time | *Time used for filtering the result. Used to filter terms before or after specific time of the day* |
| BeforeAfterTime | *0-Before; 1-After. Specifies how to process “Time” field.IE, if BeforeAfterTIme=0, then find terms from specified “StartDate”, but only BEFORE specified “Time”.* |
| DaysForPrecedences | *Days reserved for patients with precedences* |
| Pregnancy | *Patient has precedence for pregnancy* |
| Breastfeeding | *Patient has precedence for breastfeeding* |
| Prevention | *Patient has precedence for preventing further exams* |
| Inability | *Patient has precedence for being unable to work* |

### CreatePrereservationForProcedure response message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>

<Prereservations>

<Prereservation>

<ID>555</ID>

<TypeCode>ORD</TypeCode>

<DateTime>2013-10-30T09:00:00</DateTime>

<Name>First resource</Name>

<Description>First prereservation</Description>  
 <ResponseCode>01</ResponseCode>

</Prereservation>

<Prereservation>

<ID>777</ID>

<TypeCode>ORD</TypeCode>

<DateTime>2013-10-30T09:00:00</DateTime>

<Name>Second resource</Name>

<Description>Second prereservation</Description>

<ResponseCode>01</ResponseCode>

</Prereservation>

</Prereservations>

<ErrorCode xsi:nill="true" />

</CreatePrereservationForProcedureResp>

|  |  |
| --- | --- |
| FieldName | Description |
| ID | *Prereservation identifier - generated by Hospital ordering system. Must be used in BookReservation call.* |
| TypeCode | *Code of urgency type (references catalogue “Urgency types”)* |
| DateTime | *Date and time of term* |
| Name | *Name of resource* |
| Description | *Description of resource* |
| ResponseCode | *Code of the response for free slot message. See catalog “Responses” for reference* |
| ErrorCode | *References cataloque “Error codes”* |

## BookReservation

### BookReservation request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="BookReservationReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="BookerIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}([0-9]{4})?"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PrereservationID" type="xs:string"/>

<xs:element name="ReferralUniqueIdentifier" type="xs:string"/>

<xs:element name="UrgencyTypeCode">

<xs:simpleType>

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

<xs:enumeration value="4"/>

<xs:enumeration value="3"/>

<xs:enumeration value="2"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}"/>

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}"/>

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientName" type="xs:string"/>

<xs:element name="PatientSurname" type="xs:string"/>

<xs:element name="PatientBirthDate" type="xs:dateTime"/>

<xs:element name="PatientSex">

<xs:simpleType>

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

<xs:enumeration value="M"/>

<xs:enumeration value="F"/>

<xs:enumeration value="N"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="ReferralDiagnosis">

<xs:simpleType>

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

<xs:pattern value="[a-tv-zA-TV-Z][0-9][a-zA-Z0-9](\.[a-zA-Z0-9]{1,4}){0,1}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

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

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

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

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

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

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

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

<xs:element name="PatientEmail" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[^@]+@[^\.]+\..+"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

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

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

<xs:element name="ControlExam" type="xs:boolean"/>

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

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

<xs:element name="WantsSpecificDoctor" type="xs:boolean" />

<xs:element name="WasInformedOfOthers" type="xs:boolean" />

<xs:element name="CountryCode" type="xs:string"/>

<xs:element name="ValidityType" type="xs:string"/>

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

<xs:element name="ReferralReason" type="xs:string"/>

<xs:element name="DoctorIdentifier" type="xs:string"/>

<xs:element name="DoctorGivenName" type="xs:string"/>

<xs:element name="DoctorFamilyName" type="xs:string"/>

<xs:element name="DoctorRole" type="xs:string"/>

<xs:element name="OrganizationIdentifier" type="xs:string"/>

<xs:element name="OrganizationName" type="xs:string"/>

<xs:element name="OrganizationInPublicHealthcare" type="xs:boolean"/>

<xs:element name="OrganizationStatisticalRegion" type="xs:string"/>

<xs:element name="OrganizationDepartmentId1" type="xs:string"/>

<xs:element name="OrganizationDepartmentId2" type="xs:string" nillable="true"/>

<xs:element name="ScopeExamination" type="xs:boolean"/>

<xs:element name="ScopeTreatment" type="xs:boolean"/>

<xs:element name="ScopeSpecialist" type="xs:boolean"/>

<xs:element name="ReferralCreationDate" type="xs:dateTime"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### BookReservation response message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="BookReservationResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="PrereservationID" type="xs:string"/>

<xs:element name="PrereservationUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

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

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

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### BookReservation request message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<BookerIdentifier>12345</BookerIdentifier>

<PrereservationID>555</PrereservationID>

<ReferralUniqueIdentifier>382843284</ReferralUniqueIdentifier>

<UrgencyTypeCode>2</UrgencyTypeCode>

<PatientUniqueIdentifier>5556667778889</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientName>Mirko</PatientName>

<PatientSurname>Mirić</PatientSurname>

<PatientBirthDate>1963-08-31T00:00:00</PatientBirthDate>

<PatientSex>M</PatientSex>

<ReferralDiagnosis>i20</ReferralDiagnosis>

<StreetName>Ilica</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientPhone>01/234-318</PatientPhone>

<PatientMobile>098/234-318</PatientMobile>

<PatientEmail>mirko.miric@gmail.com</PatientEmail>

<OfficePhone>01/5545243</OfficePhone>

<OfficeNotes>Kontrolirati tlak!</OfficeNotes>

<ControlExam>true</ControlExam>

<RequestedByPatient>1</RequestedByPatient>

<MedicallyConditioned>2</MedicallyConditioned>

<WantsSpecificDoctor>true</WantsSpecificDoctor>

<WasInformedOfOthers>false</WasInformedOfOthers>

<CountryCode>SI</CountryCode>

<ValidityType>at0.0.0.66</ValidityType>

<ValidityDuration>2</ValidityDuration>

<ReferralReason>at0.0.4</ReferralReason>

<DoctorIdentifier>12345</DoctorIdentifier>

<DoctorGivenName>Miha</DoctorGivenName>

<DoctorFamilyName>Doktor</DoctorFamilyName>

<DoctorRole>at0.4</DoctorRole>

<OrganizationIdentifier>50008</OrganizationIdentifier>

<OrganizationName>UKC Maribor</OrganizationName>

<OrganizationInPublicHealthcare>true</OrganizationInPublicHealthcare>

<OrganizationStatisticalRegion>02</OrganizationStatisticalRegion>

<OrganizationDepartmentId1>301</OrganizationDepartmentId1>

<OrganizationDepartmentId2>406</OrganizationDepartmentId2>

<ScopeExamination>true</ScopeExamination>

<ScopeTreatment>false</ScopeTreatment>

<ScopeSpecialist>false</ScopeSpecialist>

<ReferralCreationDate>2015-08-31T12:30:00</ReferralCreationDate>

</BookReservationReq>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| BookerIdentifier | *If appointment is made by doctor, doctor code is used. If appointment is created by patient via public eAppointment web portal, then is empty (“nill”)* |
| PrereservationID | *Prereservation identifier - generated by CreatePrereservationsForProcedure method Hospital ordering system* |
| ReferralUniqueIdentifier | *Unique identifier of referral for which the appointment is created* |
| UrgencyTypeCode | *Code of urgency type (references catalogue “Urgency types”)* |
| PatientUniqueIdentifier | *EMŠO* |
| PatientInsuranceIdentifier | *ZZZS* |
| PatientName | *Patient name* |
| PatientSurname | *Patient last name* |
| PatientBirthDate | *Birth date of a patient* |
| PatientSex | *Gender of a patient* |
| ReferralDiagnosis | *Diagnosis code on referral, based on cataloque ICD-10* |
| StreetName | *Patient street name* |
| StreetNumber | *Patient street number* |
| CityName | *Patient city name* |
| CityPostalCode | *Patient city postal code* |
| DistrictCode | *Patient district code (šifra občine)* |
| PatientPhone | *Patient phone* |
| PatientMobile | *Patient mobile* |
| PatientEmail | *Patientemail* |
| OfficePhone | *Office phone (office which books an appointment)* |
| ControlExam | *True or False. Indicator if this is a control exam appointment* |
| RequestedByPatient | *Code of RequestedByPatient catalogue . Indicates the reason the appointment is requested by patient.* |
| MedicallyConditioned | *Code of MedicallyConditioned catalogue . Indicates the reason appointment is medically conditioned* |
| RequestedByPatient | *True or False. Indicates is appointment requested by patient.* |
| MedicallyConditioned | *True or False. Indicates if appointment is medically conditioned* |
| WantsSpecificDoctor | *True or False. Indicates if the appointment was selected based on the doctor performing the appointment* |
| WasInformedOfOthers | *True or False. Indicates if the patient was aware of other earlier appointments (if they existed at the time of appointment reservation) in case when selected appointment is outside of legal boundaries for medical procedure* |
| CountryCode | *2 character ISO code of the patient's insurance country* |
| ValidityType | *AT code of referral validity type (references catalog Validity types)* |
| ValidityDuration | *Duration of referral validity if needed* |
| ReferralReason | *AT code of referral reason type (references catalog Referral reasons)* |
| DoctorIdentifier | *Identifier of the doctor that created referral* |
| DoctorGivenName | *Given name of the doctor that created referral* |
| DoctorFamilyName | *Family name of the doctor that created referral* |
| DoctorRole | *Role of the doctor that created referral (references catalog Doctor types)* |
| OrganizationIdentifier | *Identifier of the organization in which referral was created* |
| OrganizationName | *Name of the organization in which referral was created* |
| OrganizationInPublicHealthcare | *Flag indicating if the organization in which referral was created is in public health system* |
| OrganizationStatisticalRegion | *Statistical region of the organization in which referral was created (references catalog Statistical regions)* |
| OrganizationDepartmentId1 | *First level organization department identifier of the organization in which referral was created (references catalog VZD)* |
| OrganizationDepartmentId2 | *Second level organization department identifier of the organization in which referral was created (references catalogVZD)* |
| ScopeExamination | *Flag indicating if the referral has examination scope specified* |
| ScopeTreatment | *Flag indicating if the referral has treatment scope specified* |
| ScopeSpecialist | *Flag indicating if the referral has specialist scope specified* |
| ReferralCreationDate | *Referral creation date and time* |

### BookReservation response message example

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

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

<MedicalFacilityCode>66791</MedicalFacilityCode>

<MedicalFacilitySpecificCode>66791A</MedicalFacilitySpecificCode>

<PrereservationID>234</PrereservationID>

<PrereservationUniqueIdentifier>555666777888999</PrereservationUniqueIdentifier>

<AdditionalNotes xsi:nil="true" />

<LocationDescription>Location description</LocationDescription>

<ErrorCode xsi:nill="true" />

</BookReservationResp>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| PrereservationID | *Prereservation identifier – generated by CreatePrereservationsForProcedure method Hospital ordering system* |
| PrereservationUniqueIdentifier | *Unique appointment identifier (hospital code (5 chars) + last two digits of the year of the appointment entry date (2 chars) + ordinal of the appointment in the hospital (7 chars))* |
| AdditionalNotes | *Additional notes for patientspecific for procedure (i.e. “Please bring all documentation”)* |
| LocationDescription | *Description of location where procedure can be made (i.e. “East block, second floor”)* |
| ErrorCode | *References cataloque “Error codes”* |

## CancelReservation

### CancelReservation request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReservationReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

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

<xs:element name="PrereservationUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="CancellationReasonCode" type="xs:string"/>

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### CancelReservation response message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReservationResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

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

<xs:element name="PrereservationUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="CancellationStatus" type="xs:boolean"/>

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### CancelReservation request message example

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

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

<MedicalFacilityCode>12345</MedicalFacilityCode>

<MedicalFacilitySpecificCode xsi:nil="true" />

<PrereservationID>1111</PrereservationID>

<PrereservationUniqueIdentifier>123451925000177</PrereservationUniqueIdentifier>

<CancellationReasonCode>8</CancellationReasonCode>

<CancellationReasonDescription>CancelAppointmentForReferral request</CancellationReasonDescription>

</CancelReservationReq>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| PrereservationID | *Prereservation identifier – generated by CreatePrereservationsForProcedure method*  *Hospital ordering system* |
| PrereservationUniqueIdentifier | *Unique appointment identifier (hospital code (5 chars) + last two digits of the year of*  *the appointment entry date (2 chars) + ordinal of the appointment in the hospital (7chars))* |
| CancellationReasonCode | *Code reason of cancellation* |
| CancellationReasonDescription | *Additional description for reason of cancellation* |

### CancelReservation response message example

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

<MedicalFacilityCode>04450</MedicalFacilityCode>

<MedicalFacilitySpecificCode>04450T</MedicalFacilitySpecificCode>

<PrereservationID>43118</PrereservationID>

<PrereservationUniqueIdentifier>044502000000053</PrereservationUniqueIdentifier>

<CancellationStatus>true</CancellationStatus>

<ErrorCode xsi:nil="true" />

</CancelReservationResp>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which are the slots and appointments are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| PrereservationID | *Prereservation identifier – generated by CreatePrereservationsForProcedure method*  *Hospital ordering system* |
| PrereservationUniqueIdentifier | *Unique appointment identifier (hospital code (5 chars) + last two digits of the year of*  *the appointment entry date (2 chars) + ordinal of the appointment in the hospital (7chars))* |
| CancellationStatus | *Returns true if appointment is successfully cancelled. False if cancellation is unsuccessful.* |
| ErrorCode | *References cataloque “Error codes”* |

## GetRealisationsForProcedure

### GetRealisationsForProcedure request message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetRealisationsReq">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="FromDate" type="xs:dateTime" />

<xs:element name="PageNumber" type="xs:integer" minOccurs="0" nillable="true"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### GetRealisationsForProcedure response message XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetRealisationsResp">

<xs:complexType>

<xs:sequence>

<xs:element name="MedicalFacilityCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{5}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="MedicalFacilitySpecificCode" minOccurs="0" nillable="true"/>

<xs:element name="MedicalProcedureCode">

<xs:simpleType>

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

<xs:pattern value="[0-9]{4}([A-Z]){0,1}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PagingInfo" minOccurs="0" maxOccurs="1" nillable="true">

<xs:complexType>

<xs:sequence>

<xs:element name="PageNumber" type="xs:integer" />

<xs:element name="PageSize" type="xs:integer" />

<xs:element name="RemainingNumber" type="xs:integer" />

<xs:element name="TotalNumber" type="xs:integer" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="AppointmentRealisations">

<xs:complexType>

<xs:sequence>

<xs:element name="AppointmentRealisation" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

<xs:element name="PatientInsuranceIdentifier" type="xs:string" />

<xs:element name="RealisationDatetime" type="xs:dateTime" />

<xs:element name="RealisationDoctorIdentifier" type="xs:string" />

<xs:element name="RealisationDoctorName" type="xs:string" />

<xs:element name="RealisationDoctorSurname" type="xs:string" />

<xs:element name="ReferralGroundedCode" type="xs:string" />

<xs:element name="UrgencyTypeGroundedCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="AppointmentCancellations">

<xs:complexType>

<xs:sequence>

<xs:element name="AppointmentCancellation" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{15,19}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

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

<xs:element name="PatientInsuranceIdentifier" type="xs:string" />

<xs:element name="CancellationDatetime" type="xs:dateTime" />

<xs:element name="CancellationReasonCode" type="xs:string" />

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

<xs:element name="CancellationSourceTypeCode" type="xs:string" />

<xs:element name="CancellationGroundedCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

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

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### GetRealisationsForProcedure request message example

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

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

<MedicalFacilityCode>00001</MedicalFacilityCode>

<MedicalFacilitySpecificCode>00001A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1021P </MedicalProcedureCode>

<FromDate>2017-12-13T12:00:00</FromDate>

<PageNumber>2</PageNumber>

</GetRealisationsReq>

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital for which realisations and cancellations are being managed* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which realisations and cancellations are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure for which realisations and cancellations are managed* |
| FromDate | *From which date to get the realisations and cancellations* |
| PageNumber | *Number of page for which to get realisations and cancellations* |

### GetRealisationsForProcedure response message example

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

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

<MedicalFacilityCode>00001</MedicalFacilityCode>

<MedicalFacilitySpecificCode>00001A</MedicalFacilitySpecificCode>

<MedicalProcedureCode>1021P</MedicalProcedureCode>

<PagingInfo>

<PageNumber>2</PageNumber>

<PageSize>4</PageSize>

<RemainingNumber>0</RemainingNumber>

<TotalNumber>4</TotalNumber>

</PagingInfo>

<AppointmentRealisations>

<AppointmentRealisation>

<AppointmentUniqueIdentifier>000011234512343</AppointmentUniqueIdentifier>

<MedicalProcedureInternalIdentifier>interni identifikator pri izvajalcu </MedicalProcedureInternalIdentifier>

<PatientInsuranceIdentifier>987456123</PatientInsuranceIdentifier>

<RealisationDatetime>2017-12-13T12:12:12</RealisationDatetime>

<RealisationDoctorIdentifier>12301</RealisationDoctorIdentifier>

<RealisationDoctorName>Zdravnik Ime</RealisationDoctorName>

<RealisationDoctorSurname>Zdravnik Priimek</RealisationDoctorSurname>

<ReferralGroundedCode>1</ReferralGroundedCode>

<UrgencyTypeGroundedCode>1</UrgencyTypeGroundedCode>

</AppointmentRealisation>

<AppointmentRealisation>

<AppointmentUniqueIdentifier>000011234512344</AppointmentUniqueIdentifier>

<MedicalProcedureInternalIdentifier>interni identifikator pri izvajalcu </MedicalProcedureInternalIdentifier>

<PatientInsuranceIdentifier>987456123</PatientInsuranceIdentifier>

<RealisationDatetime>2017-12-13T12:12:12</RealisationDatetime>

<RealisationDoctorIdentifier>12302</RealisationDoctorIdentifier>

<RealisationDoctorName>Zdravnik Ime</RealisationDoctorName>

<RealisationDoctorSurname>C</RealisationDoctorSurname>

<ReferralGroundedCode>1</ReferralGroundedCode>

<UrgencyTypeGroundedCode>1</UrgencyTypeGroundedCode>

</AppointmentRealisation>

</AppointmentRealisations>

<AppointmentCancellations>

<AppointmentCancellation>

<AppointmentUniqueIdentifier>000011234512345</AppointmentUniqueIdentifier>

<MedicalProcedureInternalIdentifier>interni identifikator pri izvajalcu </MedicalProcedureInternalIdentifier>

<PatientInsuranceIdentifier>987456123</PatientInsuranceIdentifier>

<CancellationDatetime>2017-12-13T12:12:12</CancellationDatetime>

<CancellationReasonCode>1</CancellationReasonCode>

<CancellationReasonDescription>razlog1</CancellationReasonDescription>

<CancellationSourceTypeCode>1</CancellationSourceTypeCode>

<CancellationGroundedCode>2</CancellationGroundedCode>

</AppointmentCancellation>

<AppointmentCancellation>

<AppointmentUniqueIdentifier>000011234512346</AppointmentUniqueIdentifier>

<MedicalProcedureInternalIdentifier>interni identifikator pri izvajalcu </MedicalProcedureInternalIdentifier>

<PatientInsuranceIdentifier>987456123</PatientInsuranceIdentifier>

<CancellationDatetime>2017-12-13T12:12:12</CancellationDatetime>

<CancellationReasonCode>2</CancellationReasonCode>

<CancellationReasonDescription>razlog2</CancellationReasonDescription>

<CancellationSourceTypeCode>2</CancellationSourceTypeCode>

<CancellationGroundedCode>1</CancellationGroundedCode>

</AppointmentCancellation>

</AppointmentCancellations>

<ErrorCode xsi:nil="true" />

</GetRealisationsResp>

|  |  |  |  |
| --- | --- | --- | --- |
| FieldName | | Description | |
| MedicalFacilityCode | | *Code of the hospital for which realisations and cancellations are being managed* | |
| MedicalFacilitySpecificCode | | *Specific code of the hospital for which realisations and cancellations are being managed. This code is generated and used when there are multiple hospitals under one base code.* | |
| MedicalProcedureCode | | *Code of the medical procedure for which realisations and cancellations are managed* | |
| PageNumber | | *The number of page for which realisations and cancellations were returned* | |
| PageSize | | *Number of realisations and/or cancellations sent in current page/response* | |
| RemainingNumber | | *Number of realisations and/or cancellations that are not yet sent to COS; when value is equal to 0 paging is complete and it is considered that all realisations and/or cancellations are sent to COS* | |
| TotalNumber | | *Total number of realisations and/or cancellations for current medical procedure (the sum of realisations and cancellations sent throughout all pages)* | |
| AppointmentRealisation | | *XML node for appointment realisation info* | |
| AppointmentUniqueIdentifier | | *Unique identifier of the closed appointment* |
| MedicalProcedureInternalIdentifier | | *Name of the procedure in the hospital.* |
| PatientInsuranceIdentifier | | *ZZZS* |
| RealisationDatetime | | *Date and time when appointment was closed* |
| RealisationDoctorIdentifier | | *Identifier of the doctor which made the examination* |
| RealisationDoctorName | | *Name of the doctor which made the examination* |
| RealisationDoctorSurname | | *Surname of the doctor which made the examination* |
| ReferralGroundedCode | | *Indication if the examination was grounded/justified (references catalog “Referral Grounded types”)* |
| UrgencyTypeGroundedCode | | *Indication if the urgency type of appointment was grounded/justified (references catalog “Urgency Grounded types”)* |
| AppointmentCancellation | | *XML node for appointment cancellation info* | |
| AppointmentUniqueIdentifier | | *Unique identifier of the cancelled appointment* |
| MedicalProcedureInternalIdentifier | | *Name of the procedure in the hospital.* |
| PatientInsuranceIdentifier | | *ZZZS* |
| CancellationDatetime | | *Date and time when appointment was cancelled* |
| CancellationReasonCode | | *Reason code for appointment cancellation* |
| CancellationReasonDescription | | *Reason description for appointment cancellation* |
| CancellationSourceTypeCode | | *Indication how or by whom was appointment cancelled (references catalog “Cancellation Source type”)* |
| CancellationGroundedCode | | *Indication if the appointment cancellation was grounded/justified (references catalog “Cancellation Grounded types”)* |
| ErrorCode | | *Should be used if there was some error in retrieving appointment realisations and/or appointment cancellations (references catalog “Error types”)* | |

### Paging

In the GetRealisationsForProcedure process, there could be a situation when there is a large number of appointment realisations and/or appointment cancellations that cannot be sent in one message due to the length limitation of the protocol. For this purpose, central ordering system (COS) supports paging, a principle where the total number of realisations and/or cancellations is divided into smaller portions – pages. Each page is then communicated with COS through sequential requests and responses. The initial request from COS is in the same format like before containing no new fields. If the HOS determines that paging should be used, it responds to the COS with new fields in response message. After that, every new request from COS for that medical procedure contains the page number that should be returned.

## Versioning

In the central ordering system (COS), each medical facility has a current version of HOS messages it is using to communicate with the central system. Supported versions are the latest and the one before it.

COS uses that version to initiate communication. When the HOS is ready to start communicating using the latest version of messages, it must send a specific SOAP exception to the central system as a response to a request sent by COS. Only when it receives that specific exception, COS tries to resend the previous message using the format defined by the latest version.

SOAP exception to be sent is has to have Error child node and in it the Number must be 1. The version number is not sent – when COS receives this SOAP exception, it interprets it as a notification that HOS is ready to switch to the next version (based on the one it is currently on).

### SOAP Exception example

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

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"

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

<soap:Body>

<soap:Fault>

<soap:Code>

<soap:Value>soap:Sender</soap:Value>

</soap:Code>

<soap:Reason>

<soap:Text xml:lang="en"></soap:Text>

</soap:Reason>

<detail>

<Error>

<ErrorMessage>Wrong version</ErrorMessage>

<ErrorNumber>1</ErrorNumber>

</Error>

</detail>

</soap:Fault>

</soap:Body>

</soap:Envelope>

### SOAP inner error XSD

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

<xs:schema targetNamespace="http://tempuri.org/" xmlns:mstns="http://tempuri.org/" xmlns="http://tempuri.org/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" attributeFormDefault="qualified" elementFormDefault="qualified">

<xs:element name="Error">

<xs:complexType>

<xs:sequence>

<xs:element name="ErrorMessage" type="xs:string" minOccurs="1" />

<xs:element name="ErrorNumber" type="xs:string" minOccurs="1" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

### 2.7.3. SOAP inner error XML message example

<Error xmlns="http://tempuri.org/">

<ErrorMessage>Ready for new version</ErrorMessage>

<ErrorNumber>1</ErrorNumber>

</Error>

# COS web service

The Central Ordering System (COS) provides a simple interface for using the HOS web service.

1. string GetFreeSlotForProcedure(int version, string request)
2. string GetPrereservationForProcedure(int version, string request)
3. string BookReservation(int version, string request)
4. string CancelReservation(int version, string request)

The COS also provides an interface from managing referral data and states (methods with (\*) are deprecated from version 2.

1. string CreateReferral(int version, string referral, string request, out string referralXml)
2. string UpdateReferral(int version, string referral, string request)\*
3. string UpdateReferralWithSign(int version, string referral, string request, out string referralXml)
4. string CancelReferral(int version, string request)\*
5. string CancelReferralWithSign(int version, string referral, string request, out string referralXml)
6. string AppointmentCreatedForReferral(int version, string request)
7. string CancelAppointmentForReferral(int version, string request)
8. string PatientAdmittedForReferral(int version, string request)
9. string AppointmentRescheduled(int version, string request)
10. string CancelAdmissionForReferral(int version, string request)
11. string ReferralUsed(int version, string request)
12. string CancelReferralUsage(int version, string request)
13. string GetReferral(int version, string request, out string referralXml)
14. string GetReferralList(int version, string request)
15. string GetReferralPdf(int version, string request)
16. string CreateReferralAttachment(int version, string request)
17. string UpdateReferralAttachment(int version, string request)
18. public string DeleteReferralAttachment(int version, string request)
19. string GetReferralAttachment(int version, string request)
20. string GetReferralAttachmentList(int version, string request)
21. string SignDocument(int version, byte[] signedDocument, string request)
22. public string RegisterConcessioner(string request)

Each method is called with the communication protocol version and an XML message respresenting the request message passed as parameters. Each method returns an XML respresenting the response message.Starting version is 1.

## COS web service WSDL

COS web service WSDL can be found in the ‘COSWebServiceWSDL.wsdl’ file.

## GetFreeSlotForProcedure

Description: This method is used to retrieve the list of available free slots for active medical procedures and medical facilities collected daily. Results can be filtered by regions if RegionCode parameter is specified in method call. Method always returns all available free slots with RegionCode property value equal to RegionCode sent in request, if medical facility belongs to specified region, or the property value is null. Method is the first step in booking process that allows choosing medical facility that can provide the requested procedure in the shortest deadline.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="FreeSlotForProcedureRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="RegionCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="FreeSlotForProcedureResponse">

<xs:complexType >

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityId" type="xs:int" />

<xs:element minOccurs="1" maxOccurs="1" name="ResponseCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityAddress" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalProcedureName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="FirstSlotDate" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="BlockSlotDate" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeWebAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeBussinessHours" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeCity" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficePostalCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeEMail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficePhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeFax" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="RegionCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AdditionalNotes" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="ArrayOfFreeSlotForProcedureResponse" nillable="true">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" ref="FreeSlotForProcedureResponse"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

<?xml version="1.0" encoding="utf-8" ?>  
<FreeSlotForProcedureRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
 <RegionCode>103</RegionCode>   
 <MedicalProcedureCode>1325</MedicalProcedureCode>  
  <UrgencyTypeCode>2</UrgencyTypeCode>  
</FreeSlotForProcedureRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| RegionCode | *Code of the region hospital is located in* |
| MedicalProcedureCode | *Code of the medical procedure free slots are requested for* |
| UrgencyTypeCode | *Code of urgency type (references catalog “Urgency types”)* |

Example response message:

<?xml version="1.0" encoding="utf-8" ?>   
<ArrayOfFreeSlotForProcedureResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
 <FreeSlotForProcedureResponse>  
  <MedicalFacilityId>1031</MedicalFacilityId>  
 <ResponseCode>01</ResponseCode>  
  <MedicalFacilityCode>6679</MedicalFacilityCode>

<MedicalFacilityName>MOJ TEST !</MedicalFacilityName>   
 <MedicalFacilityAddress>NEKA</MedicalFacilityAddress>  
   <MedicalProcedureCode>1325</MedicalProcedureCode>  
   <MedicalProcedureName>Medical procedure 1325</MedicalProcedureName>   
   <UrgencyTypeCode>2</UrgencyTypeCode>   
   <FirstSlotDate>2014-01-14T14:30:00</FirstSlotDate>   
   <BlockSlotDate>2014-01-14T14:30:00</BlockSlotDate>   
   <RegionCode>103</RegionCode>   
   <AdditionalNotes>Bolnica ne pruža uslugu!</AdditionalNotes>

<MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode>

  </FreeSlotForProcedureResponse>  
 <FreeSlotForProcedureResponse>  
   <MedicalFacilityId>1038</MedicalFacilityId>  
 <ResponseCode>01</ResponseCode>   
   <MedicalFacilityCode>9</MedicalFacilityCode>

  <MedicalFacilityName>MED 9</MedicalFacilityName>  
   <MedicalProcedureCode>1325</MedicalProcedureCode>  
   <MedicalProcedureName>Medical procedure 1325</MedicalProcedureName>  
   <UrgencyTypeCode>2</UrgencyTypeCode>   
   <FirstSlotDate>2014-01-14T14:30:00</FirstSlotDate>  
   <BlockSlotDate>2014-01-14T14:30:00</BlockSlotDate>  
   <RegionCode>103</RegionCode>   
   <AdditionalNotes>Bolnica ne pruža uslugu!</AdditionalNotes>

<MedicalFacilitySpecificCode>9A</MedicalFacilitySpecificCode>  
   </FreeSlotForProcedureResponse>  
  </ArrayOfFreeSlotForProcedureResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityId | *Id in central system of the medical facility that free slot is requested for* |
| ResponseCode | *Code of the free slot type( references catalog “Responses”)* |
| MedicalFacilityCode | *Code of the medical facility that free slot is requested for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalFacilityName | *Name of the medical facility that free slot is requested for* |
| MedicalFacilityAddress | *Address of the medical facility that free slot is requested for* |
| MedicalProcedureCode | *Code of the medical procedure free slots are requested for* |
| MedicalProcedureName | *Name of the medical procedure free slots are requested for* |
| UrgencyTypeCode | *Code of the urgency type (references catalog “Urgency types”)* |
| FirstSlotDate | *Date of the first available slot* |
| BlockSlotDate | *Date of the first available block slot* |
| RegionCode | *Code of the region hospital is located in* |
| AdditionalNotes | *Additional notes hospital sends for that free slot* |
|  |  |

## GetPrereservationForProcedure

Description: This method is called to retrieve the list of available resources in medical facility that provide requested medical procedure and additional information about availability of the resource. Method is the second step in booking process and has to be called before calling BookReservation for requested medical facility to get information about available resources in facility and to check if booking is possible. Information on availability consists of data used for identifying resource for booking, date and time of the available slot, type of booking required for that resource and description.

Medical facility can return more than one prereservation, and each of prereservations has its own response code. In this message you can return following response codes: 01, 02, 05.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="PrereservationRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="BookerIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="StartDate" type="xs:dateTime" />

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="PatientBirthDate" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientSex">

<xs:simpleType>

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

<xs:length value="1"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralDiagnosis">

<xs:simpleType>

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

<xs:minLength value="0"/>

<xs:maxLength value="6"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="Time" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="BeforeAfterTime" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="PrereservationResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="DateTime" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="Description" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ResponseCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="ArrayOfPrereservationResponse" nillable="true">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" ref="PrereservationResponse"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

<?xml version="1.0" encoding="utf-8" ?>  
<PrereservationRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
  <MedicalFacilityCode>6679</MedicalFacilityCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>   
  <BookerIdentifier>gfd</BookerIdentifier>   
  <ReferralUniqueIdentifier>555</ReferralUniqueIdentifier>  
  <UrgencyTypeCode>2</UrgencyTypeCode>   
  <StartDate>2014-01-05T15:36:32.8056772+01:00</StartDate>  
  <PatientUniqueIdentifier>1234567891234</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>  
  <PatientBirthDate>1989-01-02T15:36:32.8056772+01:00</PatientBirthDate>   
  <PatientSex>M</PatientSex>   
  <ReferralDiagnosis>i.20</ReferralDiagnosis>   
  <BeforeAfterTime>false</BeforeAfterTime>

<MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode>  
</PrereservationRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital the slots and appointments are being managed for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure prereservation is requested for* |
| BookerIdentifier | *Identifier of the person trying to make a reservation* |
| ReferralUniqueIdentifier | *Unique identifier of the referral reservation is being made for* |
| UrgencyTypeCode | *Code of theurgency type (references catalog “Urgency types”)* |
| StartDate | *Prereservations only after start date should be returned* |
| PatientUniqueIdentifier | *Unique identifier of the patient* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient* |
| PatientBirthDate | *Date of the patient birth* |
| PatientSex | *Code of the patient gender* |
| ReferralDiagnosis | *Code of the medical diagnosis on the referral* |
| BeforeAfterTime | *Flag if patient has requested prereservations before or after specified time of day in start date* |

Example response message:

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

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

<PrereservationResponse>

  <MedicalFacilityCode>54321</MedicalFacilityCode>

  <MedicalProcedureCode>1021P</MedicalProcedureCode>

  <HOSIdentifier>4753</HOSIdentifier>

  <UrgencyTypeCode>ORD</UrgencyTypeCode>

  <DateTime>2014-04-06T13:00:00</DateTime>

  <Description>01/10</Description>

  <Name>Prvi</Name>

  <ResponseCode>01</ResponseCode>

<MedicalFacilitySpecificCode>54321A</MedicalFacilitySpecificCode>

</PrereservationResponse>

<PrereservationResponse>

  <MedicalFacilityCode>54321</MedicalFacilityCode>

  <MedicalProcedureCode>1021P</MedicalProcedureCode>

  <HOSIdentifier>4754</HOSIdentifier>

  <UrgencyTypeCode>ORD</UrgencyTypeCode>

  <DateTime>2014-03-17T15:00:00</DateTime>

  <Description>02/11</Description>

  <Name>Drugi</Name>

  <ResponseCode>01</ResponseCode>

<MedicalFacilitySpecificCode>54321A</MedicalFacilitySpecificCode>

</PrereservationResponse>

  </ArrayOfPrereservationResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital prereservation is made for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure prereservation is requested for* |
| HOSIdentifier | *Unique identifier of the prereservation in the hospital ordering system* |
| UrgencyTypeCode | *Code of the urgency type (references catalog “Urgency Types”)* |
| DateTime | *Date and time of the prereservation* |
| Description | *Description of the prereservation* |
| Name | *Name of the facility resource prereservation is for* |
| ResponseCode | *Code of the prereservation type (references catalog “Responses”)* |

## BookReservation

Description: This method is used to request confirmation of selected prereservation from selected medical facility and is the last step in booking process. If the selected prereservation is successfully confirmed appointment unique identifier is returned with optional additional notes and description of the location where medical procedure is performed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="BookReservationRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="BookerIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralDiagnosis">

<xs:simpleType>

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

<xs:minLength value="0"/>

<xs:maxLength value="6"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="PatientName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientSurname" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientBirthDate" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientSex">

<xs:simpleType>

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

<xs:length value="1"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="StreetName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="StreetNumber" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CityName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CityPostalCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DistrictCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientEMail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientMobile" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficePhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeNotes" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ControlExam" type="xs:boolean" />

<xs:element minOccurs="1" maxOccurs="1" name="RequestedByPatient" type="xs:string" nillable="true"/>

<xs:element minOccurs="1" maxOccurs="1" name="MedicallyConditioned" type="xs:string" nillable="true"/>

<xs:element minOccurs="1" maxOccurs="1" name="BookedDate" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="ResponseCode">

<xs:simpleType>

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

<xs:length value="2"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="WantsSpecificDoctor" type="xs:boolean" />

<xs:element minOccurs="1" maxOccurs="1" name="WasInformedOfOthers" type="xs:boolean" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="BookReservationResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ApointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityNotes" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="SiteDescription" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<MedicalFacilityCode>6679</MedicalFacilityCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>

<HOSIdentifier>1850</HOSIdentifier>

<BookerIdentifier>1850</BookerIdentifier>

<UrgencyTypeCode>2</UrgencyTypeCode>

<ReferralUniqueIdentifier>2013121000010</ReferralUniqueIdentifier>

<ReferralDiagnosis>gfd</ReferralDiagnosis>

<PatientUniqueIdentifier>1234567891234</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientName>ime</PatientName>

<PatientSurname>perz</PatientSurname>

<PatientBirthDate>1984-01-02T14:37:08.0672202+01:00</PatientBirthDate>

<PatientSex>M</PatientSex>

<StreetName>Ljubljanska cesta</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientEMail>[mail@mail.com</PatientEMail](mailto:mail@mail.com%3c/PatientEMail)>

<PatientPhone>0231234567</PatientPhone>

<PatientMobile>0911234567</PatientMobile>

<OfficePhone>011234567</OfficePhone>

<OfficeNotes>nema</OfficeNotes>

<ControlExam>true</ControlExam>

<RequestedByPatient>1</RequestedByPatient>

<MedicallyConditioned>2</MedicallyConditioned>

<BookedDate>2014-05-03T14:37:08.0672202+01:00</BookedDate>

<ResponseCode>02</ResponseCode>

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode>

<WantsSpecificDoctor>true</WantsSpecificDoctor>

<WasInformedOfOthers>false</WasInformedOfOthers>

</BookReservationRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital reservation is made for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure reservation is requested for* |
| HOSIdentifier | *Unique identifier of the reservation in the hospital ordering system* |
| BookerIdentifier | *Identifier of the person trying to make a reservation* |
| UrgencyTypeCode | *Code of the urgency type (references catalog “Urgency Types”)* |
| ReferralUniqueIdentifier | *Unique identifier of the referral reservation is being made for* |
| ReferralDiagnosis | *Code of the medical diagnosis on the referral reservation is being made for* |
| PatientUniqueIdentifier | *Unique identifier of the patient reservation is being made for* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient reservation is being made for* |
| PatientName | *First name of the patient* |
| PatientSurname | *Last name of the patient* |
| PatientBirthDate | *Patient date of birth* |
| PatientSex | *Code of the patient gender* |
| StreetName | *Street where the patient lives* |
| StreetNumber | *Street number where the patient lives* |
| CityName | *Name of the city patient lives in* |
| CityPostalCode | *Postal code of the city patient lives in* |
| DistrictCode | *Code of the district patient lives in* |
| PatientEmail | *Email address of the patient* |
| PatientPhone | *Phone number of the patient* |
| PatientMobile | *Mobile phone number of the patient* |
| OfficePhone | *Phone of the office where the medical procedure is being performed* |
| OfficeNotes | *Notes from the office where the medical procedure is being performed* |
| ControlExam | *Flag indicating if the medical procedure is control exam* |
| RequestedByPatient | *Code of RequestedByPatient catalogue . Indicates the reason the appointment is requested by patient.* |
| MedicallyConditioned | *Code of MedicallyConditioned catalogue . Indicates the reason appointment is medically conditioned* |
| BookedDate | *Date and* time *of the reservation* |
| ResponseCode | *Code of the booked slot type (references catalog “Responses”)* |
| ApiKey | *Aplication key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| WantsSpecificDoctor | *True or False. Indicates if the appointment was selected based on the doctor performing the appointment* |
| WasInformedOfOthers | *True or False. Indicates if the patient was aware of other earlier appointments (if they existed at the time of appointment reservation) in case when selected appointment is outside of legal boundaries for medical procedure* |

Example response message:

<?xml version="1.0" encoding="utf-8" ?>  
<BookReservationResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
 <MedicalFacilityCode>6679</MedicalFacilityCode>

<MedicalProcedureCode>1000</MedicalProcedureCode>  
 <ApointmentUniqueIdentifier>123456789123456</ApointmentUniqueIdentifier>  
 <HOSIdentifier>1850</HOSIdentifier>  
 <MedicalFacilityNotes>No data</MedicalFacilityNotes>  
 <SiteDescription>Hospital 6679</SiteDescription> <MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode></BookReservationResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital reservation is made for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure reservation is requested for* |
| ApointmentUniqueIdentifier | *Unique identifier of the appointment in the hospital ordering system* |
| HOSIdentifier | *Unique identifier of the prereservation in the hospital ordering system* |
| MedicalFacilityNotes | *Notes sent by the hospital ordering system for booked appointment* |
| SiteDescription | *Description of the location sent by the hospital ordering system* |

## CancelReservation

Description: This method is used to cancel an appointment created in medical facility. Method returns information if appointment was successfully cancelled or not.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReservationRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ApointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancellationReasonCode" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="CancellationReasonDescription" type="xs:string" nillable="true"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReservationResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ApointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="CancellationStatus" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<MedicalFacilityCode>6679</MedicalFacilityCode>

<HOSIdentifier>1850</HOSIdentifier>

<ApointmentUniqueIdentifier>123456789123456</ApointmentUniqueIdentifier>

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode>

<CancellationReasonCode>000</CancellationReasonCode>

<CancellationReasonDescription>opisni razlog otkazivanja</CancellationReasonDescription>

</CancelReservationRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalFacilityCode | *Code of the hospital reservation is for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| MedicalProcedureCode | *Code of the medical procedure reservation is requested for* |
| HOSIdentifier | *Unique identifier of the prereservation in the hospital ordering system* |
| ApointmentUniqueIdentifier | *Unique identifier of the appointment in the hospital ordering system* |
| CancellationReasonCode | *Code reason of cancellation* |
| CancellationReasonDescription | *Additional description for reason of cancellation* |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |

Example response message:

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

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

<MedicalFacilityCode>6679</MedicalFacilityCode>

<HOSIdentifier>1850</HOSIdentifier>

<ApointmentUniqueIdentifier>123456789123456</ApointmentUniqueIdentifier>

<CancellationStatus>True</CancellationStatus>

<MedicalFacilitySpecificCode>6679A</MedicalFacilitySpecificCode>

</CancelReservationResponse>

|  |  |
| --- | --- |
| Field description:FieldName | Description |
| MedicalFacilityCode | *Code of the hospital reservation is for* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| HOSIdentifier | *Unique identifier of the prereservation in the hospital ordering system* |
| ApointmentUniqueIdentifier | *Unique identifier of the appointment in the hospital ordering system* |
| CancellationStatus | *Flag indicating if the cancellation was successful* |

## AppointmentCreatedForReferral

Description: This method is used to inform the central system of an appointment created for referral in medical facility. Method returns information if the appointment was successfully created in the system or not, and if not, reason why creation failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="AppointmentCreatedForReferralRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentDate" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="BookerIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityNotes" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralDiagnosis">

<xs:simpleType>

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

<xs:minLength value="1"/>

<xs:maxLength value="6"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="PatientName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientSurname" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientBirthDate" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientSex">

<xs:simpleType>

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

<xs:length value="1"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="StreetName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="StreetName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="StreetNumber" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CityName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CityPostalCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="DistrictCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientEMail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientMobile" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficePhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="OfficeNotes" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ControlExam" type="xs:boolean" />

<xs:element minOccurs="1" maxOccurs="1" name="RequestedByPatient" type="xs:string" nillable="true"/>

<xs:element minOccurs="1" maxOccurs="1" name="MedicallyConditioned" type="xs:string" nillable="true" />

<xs:element minOccurs="0" maxOccurs="1" name="SiteDescription" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ResponseCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="WantsSpecificDoctor" type="xs:boolean" />

<xs:element minOccurs="1" maxOccurs="1" name="WasInformedOfOthers" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="AwareOfExpiration" type="xs:boolean" nillable="true"/> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="AppointmentCreatedForReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<AppointmentUniqueIdentifier>c0651082-c184-</AppointmentUniqueIdentifier>

<AppointmentDate>2015-01-24T00:00:00</AppointmentDate>

<AppointmentRequestedDate>2015-01-24T00:00:00</AppointmentRequestedDate>

<BookerIdentifier>testDoktor</BookerIdentifier>

<MedicalFacilityCode>6679</MedicalFacilityCode>

<MedicalFacilityNotes>nesto</MedicalFacilityNotes>

<MedicalProcedureCode>1021P</MedicalProcedureCode>

<UrgencyTypeCode>3</UrgencyTypeCode>

<ReferralUniqueIdentifier>2013120900123</ReferralUniqueIdentifier>

<HOSIdentifier>testHOS</HOSIdentifier>

<ReferralDiagnosis>test</ReferralDiagnosis>

<PatientUniqueIdentifier>1234567891234</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier >

<PatientName>Tomislav</PatientName>

<PatientSurname>Tomas</PatientSurname>

<PatientBirthDate>1985-01-24T00:00:00</PatientBirthDate>

<PatientSex>M</PatientSex>

<StreetName>Ljubljanska cesta</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientEMail>[test@test.hr</PatientEMail](mailto:test@test.hr%3c/PatientEMail)>

<PatientPhone>014567891</PatientPhone>

<PatientMobile>0989994444</PatientMobile>

<OfficePhone>012345678</OfficePhone>

<OfficeNotes>test</OfficeNotes>

<ControlExam>true</ControlExam>

<RequestedByPatient>1</RequestedByPatient>

<MedicallyConditioned>2</MedicallyConditioned>

<SiteDescription>test</SiteDescription>

<ResponseCode>01</ResponseCode>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

<WantsSpecificDoctor>true</WantsSpecificDoctor>

<WasInformedOfOthers>false</WasInformedOfOthers>

<AwareOfExpiration>true</AwareOfExpiration>

</AppointmentCreatedForReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Aplication key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| AppointmentUniqueIdentifier | *Uniqueidentifier of the appointment in the hospital ordering system* |
| AppointmentDate | *Date and time of the appointment* |
| AppointmentRequestedDate | *Date and time of the requested appointment* |
| BookerIdentifier | *Identifier of the person trying to make a reservation* |
| MedicalFacilityCode | *Code of the hospital reservation is made for* |
| MedicalFacilityNotes | *Notes about appointment from the medical facility* |
| MedicalProcedureCode | *Code of the medical procedure reservation is requested for* |
| UrgencyTypeCode | *Code of the urgency type (references catalog “Urgency Types”)* |
| ReferralUniqueIdentifier | *Unique identifier of the referral reservation is being made for* |
| HOSIdentifier | *Unique identifier of the reservation in the hospital ordering system* |
| ReferralDiagnosis | *Code of the medical diagnosis on the referral reservation is being made for* |
| PatientUniqueIdentifier | *Unique identifier of the patient reservation is being made for* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient reservation is being made for* |
| PatientName | *First name of the patient* |
| PatientSurname | *Last name of the patient* |
| PatientBirthDate | *Patient date of birth* |
| PatientSex | *Code of the patient gender* |
| StreetName | *Street where the patient lives* |
| StreetNumber | *Street number where the patient lives* |
| CityName | *Name of the city patient lives in* |
| CityPostalCode | *Postal code of the city patient lives in* |
| DistrictCode | *Code of the district patient lives in* |
| PatientEmail | *Email address of the patient* |
| PatientPhone | *Phone number of the patient* |
| PatientMobile | *Mobile phone number of the patient* |
| OfficePhone | *Phone of the office where the medical procedure is being performed* |
| OfficeNotes | *Notes from the office where the medical procedure is being performed* |
| ControlExam | *Flag indicating if the medical procedure is control exam* |
| RequestedByPatient | *Code of RequestedByPatient catalogue . Indicates the reason the appointment is requested by patient.* |
| MedicallyConditioned | *Code of MedicallyConditioned catalogue . Indicates the reason appointment is medically conditioned* |
| SiteDescription | *Description of the location where medical procedure is performed* |
| ResponseCode | *Code of the booked slot type (references catalog “Responses”)* |
| WantsSpecificDoctor | *True or False. Indicates if the appointment was selected based on the doctor performing the appointment* |
| WasInformedOfOthers | *True or False. Indicates if the patient was aware of other earlier appointments (if they existed at the time of appointment reservation) in case when selected appointment is outside of legal boundaries for medical procedure* |
| AwareOfExpiration | *True or False. Used to indicate that the user is/is not aware of the fact that is trying to create an appointment after the period in which was possible to make an appointment (based on urgency types codes)* |

Example successful response message:

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

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

<IsSuccessful>**true**</IsSuccessful>

</AppointmentCreatedForReferralResponse>

Example unsuccessful response message:

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

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

<FailureReason>**Invalid referral status! Invalid appointment unique indentifier!**</FailureReason>

<IsSuccessful>**false**</IsSuccessful>

<ErrorCode>**3007**</ErrorCode>

</AppointmentCreatedForReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## AppointmentRescheduled

Description: This method is used to specify new appointment date for an appointment previously created in medical facility or to specify some additional details about the appointment. Method returns information if appointment was successfully rescheduled and/or updated in case of details modification, and if not, reason why rescheduling/update failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="AppointmentRescheduledRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs ="0" maxOccurs ="1" name ="NewAppointmentDate" type ="xs:dateTime" nillable ="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="RequestedByPatientCode" type ="xs:string" nillable="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="UrgencyTypeCode" type ="xs:string" nillable ="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="MedicallyConditionedCode" type="xs:string" nillable ="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="SiteDescription" type ="xs:string" nillable ="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="OfficeNotes" type ="xs:string" nillable ="true"/>

<xs:element minOccurs ="0" maxOccurs ="1" name ="MedicalFacilityNotes" type="xs:string" nillable ="true"/>

<xs:element minOccurs="0" maxOccurs="1" name="ResponseCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="AppointmentRescheduledResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <AppointmentUniqueIdentifier>aaaaeec4b-91b4-</AppointmentUniqueIdentifier>

  <NewAppointmentDate>2014-02-11T13:15:00</NewAppointmentDate>

<RequestedByPatientCode>1</RequestedByPatientCode>

<UrgencyTypeCode>3</UrgencyTypeCode>

<MedicallyConditionedCode>2</MedicallyConditionedCode>

<SiteDescription>test</SiteDescription>

<OfficeNotes>test</OfficeNotes>

<MedicalFacilityNotes>test</MedicalFacilityNotes>

  <ResponseCode>01</ResponseCode>

</AppointmentRescheduledRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| AppointmentUniqueIdentifier | *Unique appointment identifier of the appointment being rescheduled* |
| NewAppointmentDate | *New date of the appointment* |
| RequestedByPatientCode | *New requested by patient code* |
| UrgencyTypeCode | *New urgency type code* |
| MedicallyConditionedCode | *New medically conditioned code* |
| SiteDescription | *New description of the location where medical procedure is performed* |
| OfficeNotes | *New notes from the office where the medical procedure is being performed* |
| MedicalFacilityNotes | *New notes about appointment from the medical facility* |
| ResponseCode | *Type of the new appointment ("01","02")* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</AppointmentRescheduledResponse>

Example unSuccessful response message:

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

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

  <FailureReason>Invalid referral status!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>3007</ErrorCode>

</AppointmentRescheduledResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## CancelAppointmentForReferral

Description: This method is used to inform the central system that appointment for referral was cancelled in medical facility. Method returns information if appointment was successfully cancelled in the system or not, and if not, reason why cancellation failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelAppointmentForReferralRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="CancelledBy" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancellationReasonCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name=" CancellationReasonDescription" type="xs:string" /><xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelAppointmentForReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:booleanboolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

<ReferralUniqueIdentifier>**2013120900123**</ReferralUniqueIdentifier>

<AppointmentUniqueIdentifier>**c0651082-c184-**</AppointmentUniqueIdentifier>

<CancelledBy>**12345**</CancelledBy>

<CancellationReasonCode>000</CancellationReasonCode>

<CancellationReasonDescription>Prenaročanje</CancellationReasonDescription >

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CancelAppointmentForReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral appointment is being cancelled for* |
| AppointmentUniqueIdentifier | *Unique appointment identifier of the appointment being cancelled* |
| CancelledBy | *Identifier of the person cancelling the appointment* |
| CancellationReasonCode | *Code reason of cancellation* |
| CancellationReasonDescription | *Additional description for reason of cancellation* |

Example successful response message:

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

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

<IsSuccessful>**true**</IsSuccessful>

</CancelAppointmentForReferralResponse>

Example unSuccessful response message:

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

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

<FailureReason>**Invalid referral status! Invalid appointment status!**</FailureReason>

<IsSuccessful>**false**</IsSuccessful>

<ErrorCode>**3007**</ErrorCode>

</CancelAppointmentForReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## GetAppointment

Description: This method is used to retrieve information about specified appointment from the system.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetAppointmentRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="Appointment">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityFax" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityEMail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityWebAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientNameAndSurname" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="StreetName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="StreetNumber" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="CityName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="CityPostalCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DistrictCode" type="xs:string" />

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="PatientPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientMobile" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientEmail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalProcedureName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AppointmentDateTime" type="xs:dateTime" nillable="true"/>

<xs:element minOccurs="0" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="SiteDescription" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityNotes" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ResponseCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ResponsePrintText" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="GetAppointmentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" ref="Appointment"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<AppointmentUniqueIdentifier>123456789123456</AppointmentUniqueIdentifier>

</GetAppointmentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| AppointmentUniqueIdentifier | *Unique identifier of the requested appointment* |

Example response message:

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

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

<IsSuccessful>true</IsSuccessful>

<Appointment>

<AppointmentUniqueIdentifier>857832202022168</AppointmentUniqueIdentifier>

<MedicalFacilityName>Testna Ustanova</MedicalFacilityName>

<MedicalFacilityAddress>Štefanova 5</MedicalFacilityAddress>

<MedicalFacilityPhone>01-478 6098</MedicalFacilityPhone>

<MedicalFacilityFax>01-478 6099</MedicalFacilityFax>

<MedicalFacilityEMail>[test@test.si</MedicalFacilityEMail](mailto:test@test.si%3c/MedicalFacilityEMail)>

<MedicalFacilityWebAddress>[http://www.mz.gov.si/</MedicalFacilityWebAddress](http://www.mz.gov.si/%3c/MedicalFacilityWebAddress)>

<PatientNameAndSurname>Ivica Kostelic</PatientNameAndSurname>

<StreetName>Ljubljanska cesta</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientUniqueIdentifier>1202003898747</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientPhone>015555879</PatientPhone>

<PatientPhone>031555879</PatientPhone>

<PatientEmail>[ivica.kostelic@mail.com</PatientEmail](mailto:ivica.kostelic@mail.com%3c/PatientEmail)>

<MedicalProcedureName>Kardiovaskularni kirurski pregled – prvi</MedicalProcedureName>

<AppointmentDateTime>2014-04-07T21:00:00</AppointmentDateTime>

<SiteDescription>Hospital 54321</SiteDescription>

<MedicalFacilityNotes>No data</MedicalFacilityNotes>

<ResponseCode>01</ResponseCode>

<HOSIdentifier>4952</HOSIdentifier>

<MedicalFacilityCode>54321</MedicalFacilityCode>

</Appointment>

</GetAppointmentResponse>

Example response message:

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

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

<FailureReason>Invalid appointment unique identifier!</FailureReason>

<IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</GetAppointmentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| AppointmentUniqueIdentifier | *Uniqueidentifier of the appointment in the hospital ordering system* |
| MedicalFacilityName | *Name of the medical facility of the appointment* |
| MedicalFacilityAddress | *Address of the medical facility of the appointment* |
| MedicalFacilityPhone | *Phone number of the medical facility of the appointment* |
| MedicalFacilityFax | *Fax number of the medical facility of the appointment* |
| MedicalFacilityEMail | *Email address of the medical facility of the appointment* |
| MedicalFacilityWebAddress | *URL to the website of the medical facility of the appointment* |
| PatientNameAndSurname | *Patient first and last name* |
| StreetName | *Street where the patient lives* |
| StreetNumber | *Street number where the patient lives* |
| CityName | *Name of the city patient lives in* |
| CityPostalCode | *Postal code of the city patient lives in* |
| DistrictCode | *Code of the district patient lives in* |
| PatientUniqueIdentifier | *Unique identifier of the patient reservation is being made for* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient reservation is being made for* |
| PatientPhone | *Phone number of the patient* |
| PatientMobile | *Mobile phone number of the patient* |
| PatientEmail | *Email address of the patient* |
| MedicalProcedureName | *Name of the medical procedure being performed* |
| AppointmentDateTime | *Date and time of the appointment* |
| SiteDescription | *Description of the location where medical procedure is performed* |
| MedicalFacilityNotes | *Notes from the medical facility where the medical procedure is performed* |
| ResponseCode | *Code of the booked slot type(references catalog “Responses”)* |
| HOSIdentifier | *Identifier of the slot from the hospital ordering system* |
| MedicalFacilityCode | *Code of the medical facility of the appointment* |

## GetAppointmentsForPatient

Description: This method is used to retrieve information about active appointments created in the system for requested patient. If parameter MedicalProcedureCode is specified, results are filtered so that only information about appointments for requested medical procedure are returned. Method also accepts parameter FetchAdmittedAppointments, which specifies whether to fetch all appointmets, including those which have been used by the patient. Default value of that parameter is false. Method also returns information if request was successfully processed or not, and if not, reason why request failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetAppointmentsForPatientRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:length value="9"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="FetchAdmittedAppointments" type="xs:boolean" default="false"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="AppointmentSummary">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityFax" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityEMail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityWebAddress" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientNameAndSurname" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="StreetName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="StreetNumber" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="CityName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="CityPostalCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DistrictCode" type="xs:string" />

<xs:element name="PatientUniqueIdentifier" nillable="true">

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="PatientPhone" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientMobile" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PatientEmail" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalProcedureName" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AppointmentDateTime" type="xs:dateTime" nillable="true"/>

<xs:element minOccurs="0" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="SiteDescription" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityNotes" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ResponseCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ResponsePrintText" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HOSIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="Appointments">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" ref="AppointmentSummary"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="GetAppointmentsForPatientResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" ref="Appointments"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<MedicalProcedureCode>1022P</MedicalProcedureCode>

<FetchAdmittedAppointments>true</FetchAdmittedAppointments></GetAppointmentsForPatientRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| PatientInsuranceIdentifier | *Insurance indentifier of the patient the request is made for* |
| MedicalProcedureCode | *Code of the medical procedure the request is made for* |
| FetchAdmittedAppointments | *Include “used” appointments or not* |

Example successful response message:

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

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

<IsSuccessful>true</IsSuccessful>

<Appointments>

<AppointmentSummary>

<AppointmentUniqueIdentifier>738467216643424</AppointmentUniqueIdentifier>

<MedicalFacilityName>Testna Ustanova</MedicalFacilityName>

<MedicalFacilityAddress>Štefanova 5</MedicalFacilityAddress>

<MedicalFacilityPhone>01-478 6098</MedicalFacilityPhone>

<MedicalFacilityFax>01-478 6099</MedicalFacilityFax>

<MedicalFacilityEMail>[test@test.si</MedicalFacilityEMail](mailto:test@test.si%3c/MedicalFacilityEMail)>

<MedicalFacilityWebAddress>[http://www.mz.gov.si/</MedicalFacilityWebAddress](http://www.mz.gov.si/%3c/MedicalFacilityWebAddress)>

<PatientNameAndSurname>Ivica Kostelic</PatientNameAndSurname>

<StreetName>Ljubljanska cesta</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientUniqueIdentifier>1202003898747</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientPhone>015555879</PatientPhone>

<PatientMobile>031555879</PatientMobile>

<PatientEmail>[ivica.kostelic@mail.com</PatientEmail](mailto:ivica.kostelic@mail.com%3c/PatientEmail)>

<MedicalProcedureName>Klinicno genetski pregled – prvi</MedicalProcedureName>

<AppointmentDateTime>2014-03-13T18:00:00</AppointmentDateTime>

<SiteDescription>Hospital 54321</SiteDescription>

<MedicalFacilityNotes>No data</MedicalFacilityNotes>

<ResponseCode>02</ResponseCode>

<ResponsePrintText>Tekst za odgovor 02</ResponsePrintText>

<HOSIdentifier>4953</HOSIdentifier>

<MedicalFacilityCode>54321</MedicalFacilityCode>

</AppointmentSummary>

<AppointmentSummary>

<AppointmentUniqueIdentifier>416760927467903</AppointmentUniqueIdentifier>

<MedicalFacilityName>Testna Ustanova</MedicalFacilityName>

<MedicalFacilityAddress>Štefanova 5</MedicalFacilityAddress>

<MedicalFacilityPhone>01-478 6098</MedicalFacilityPhone>

<MedicalFacilityFax>01-478 6099</MedicalFacilityFax>

<MedicalFacilityEMail>[test@test.si</MedicalFacilityEMail](mailto:test@test.si%3c/MedicalFacilityEMail)>

<MedicalFacilityWebAddress>[http://www.mz.gov.si/</MedicalFacilityWebAddress](http://www.mz.gov.si/%3c/MedicalFacilityWebAddress)>

<PatientNameAndSurname>Ivica Kostelic</PatientNameAndSurname>

<StreetName>Ljubljanska cesta</StreetName>

<StreetNumber>2</StreetNumber>

<CityName>Novo mesto</CityName>

<CityPostalCode>8000</CityPostalCode>

<DistrictCode>085</DistrictCode>

<PatientUniqueIdentifier>1202003898747</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>123456789</PatientInsuranceIdentifier>

<PatientPhone>015555879</PatientPhone>

<PatientMobile>031555879</PatientMobile>

<PatientEmail>[ivica.kostelic@mail.com</PatientEmail](mailto:ivica.kostelic@mail.com%3c/PatientEmail)>

<MedicalProcedureName>Klinicno genetski pregled – prvi</MedicalProcedureName>

<AppointmentDateTime>2014-03-16T23:00:00</AppointmentDateTime>

<SiteDescription>Hospital 54321</SiteDescription>

<MedicalFacilityNotes>No data</MedicalFacilityNotes>

<ResponseCode>02</ResponseCode>

<ResponsePrintText>Tekst za odgovor 02</ResponsePrintText>

<HOSIdentifier>4963</HOSIdentifier>

<MedicalFacilityCode>54321</MedicalFacilityCode>

</AppointmentSummary>

</Appointments>

</GetAppointmentsForPatientResponse>

Example unSuccessful response message:

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

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

<FailureReason>

Invalid patient insurance identifier!

</FailureReason>

<IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</GetAppointmentsForPatientResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| AppointmentUniqueIdentifier | *Uniqueidentifier of the appointment in the hospital ordering system* |
| MedicalFacilityName | *Name of the medical facility of the appointment* |
| MedicalFacilityAddress | *Address of the medical facility of the appointment* |
| MedicalFacilityPhone | *Phone number of the medical facility of the appointment* |
| MedicalFacilityFax | *Fax number of the medical facility of the appointment* |
| MedicalFacilityEMail | *Email address of the medical facility of the appointment* |
| MedicalFacilityWebAddress | *URL to the website of the medical facility of the appointment* |
| PatientNameAndSurname | *Patient first and last name* |
| StreetName | *Street where the patient lives* |
| StreetNumber | *Street number where the patient lives* |
| CityName | *Name of the city patient lives in* |
| CityPostalCode | *Postal code of the city patient lives in* |
| DistrictCode | *Code of the district patient lives in* |
| PatientUniqueIdentifier | *Unique identifier of the patient reservation is being made for* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient reservation is being made for* |
| PatientPhone | *Phone number of the patient* |
| PatientMobile | *Mobile phone number of the patient* |
| PatientEmail | *Email address of the patient* |
| MedicalProcedureName | *Name of the medical procedure being performed* |
| AppointmentDateTime | *Date and time of the appointment* |
| SiteDescription | *Description of the location where medical procedure is performed* |
| MedicalFacilityNotes | *Notes from the medical facility where the medical procedure is performed* |
| ResponseCode | *Code of the booked slot type(references catalog “Responses”)* |
| ResponsePrintText | *Information text based on the booked slot type* |
| HOSIdentifier | *Identifier of the slot from the hospital ordering system* |
| MedicalFacilityCode | *Code of the medical facility of the appointment* |

## ReferralUsed

Description: This method is used to inform the central system that referral was used and its status should be changed. If Medical procedure is changed in medical facility, medical facility can medical procedure which was realzed. Method returns information if request was successfully processed or not, and if not, why processing failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralUsedRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="RealisationDocIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="RealisationDateTime" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedureCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="EarliestControlDate" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="ControlNotNeeded" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="StartTreatment" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralUsedResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

<ReferralUniqueIdentifier>2013120900121</ReferralUniqueIdentifier>

<RealisationDocIdentifier>123</RealisationDocIdentifier>

<RealisationDateTime>2014-01-08T09:43:21.5194998+01:00</RealisationDateTime>

<MedicalProcedureCode>1001</MedicalProcedureCode>

<EarliestControlDate>2014-01-08T09:43:21.5194998+01:00</EarliestControlDate>

<ControlNotNeeded>false</ControlNotNeeded>

<StartTreatment>true</StartTreatment>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</ReferralUsedRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral for which usage is recorded* |
| RealisationDocIdentifier | *Identifier of the doctor who performed the medical procedure referral was created for* |
| RealisationDateTime | *Date and time when the medical procedure was performed* |
| MedicalProcedureCode | *Code of the medical procedure which is performed. This value can be different from medical procedure code issued when referral is created.* |
| EarliestControlDate | *Earliest date of the next control exam for referral* |
| ControlNotNeeded | *Flag to indicate that patient does not need any further control exams* |
| StartTreatment | *Flag to indicate that patient has to start treatment, not take further control exams* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</ReferralUsedResponse>

Example unSuccessful response message:

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

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

  <FailureReason>Invalid referral status!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>3007</ErrorCode>

</ReferralUsedResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## CancelReferralUsage

Description: This method is used to inform the central system that usage for previously used referral should be cancelled and that referral status should be reverted. This method can only be called on the same day that referral was previously used. Method returns information if referral status was successfully reverted or not, and if not, why status change failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralUsageRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancelledBy" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralUsageResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2013120900121</ReferralUniqueIdentifier>

  <CancelledBy>123</CancelledBy>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CancelReferralUsageRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral usage is being cancelled for* |
| CancelledBy | *Identifier of the person cancelling the referral usage* |

Example successful response message:

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

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

<IsSuccessful>true</IsSuccessful>

</CancelReferralUsageResponse>

Example unSuccessful response message:

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

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

<FailureReason>Invalid referral status!</FailureReason>

<IsSuccessful>false</IsSuccessful>

<ErrorCode>3007</ErrorCode>

</CancelReferralUsageResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## PatientAdmittedForReferral

Description: This method is used to inform the central system that patient has been admitted for medical procedure based on selected referral and that referral status should be updated. Information about admitting facility and doctor are sent in request, and method returns information if referral status was successfully updated or not, and if not, why status change failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralAdmissionRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionOrgIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionOrgName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionOrgDepartmentIden1" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionOrgDepartmentIden2" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionDocIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionDocGivenName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionDocFamilyName" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionOrgInPublicHealth" type="xs:boolean" />

<xs:element minOccurs="1" maxOccurs="1" name="AdmissionDatetime" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="AdmissionReferralTypeCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralAdmissionResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<ReferralUniqueIdentifier>**2013121300019**</ReferralUniqueIdentifier>

<AdmissionOrgIdentifier>**orgIdent**</AdmissionOrgIdentifier>

<AdmissionOrgName>**orgName**</AdmissionOrgName>

<AdmissionOrgDepartmentIden1>**iden1**</AdmissionOrgDepartmentIden1>

<AdmissionOrgDepartmentIden2>**iden2**</AdmissionOrgDepartmentIden2>

<AdmissionDocIdentifier>**testDoc**</AdmissionDocIdentifier>

<AdmissionDocGivenName>**testName**</AdmissionDocGivenName>

<AdmissionDocFamilyName>**testName**</AdmissionDocFamilyName>

<AdmissionOrgInPublicHealth>**false**</AdmissionOrgInPublicHealth>

<AdmissionDatetime>**2014-01-08T15:48:34.3827409+01:00**</AdmissionDatetime>

<AdmissionReferralTypeCode>**1**</AdmissionReferralTypeCode>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</ReferralAdmissionRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral patient was admitted for* |
| AdmissionOrgIdentifier | *Identifier of the facility patient was admitted to* |
| AdmissionOrgName | *Name of the facility patient was admitted to* |
| AdmissionOrgDepartmentIden1 | *First level identifier of the department patient was admitted to* |
| AdmissionOrgDepartmentIden2 | *Second level identifier of the department patient was admitted to* |
| AdmissionDocIdentifier | *Identifier of the doctor that admitted the patient* |
| AdmissionDocGivenName | *First name of the doctor that admitted the patient* |
| AdmissionDocfamilyName | *Last name of the doctor that admitted the patient* |
| AdmissionOrgInPublicHealth | *Flag indicating if the facility patient was admitted to is in public health system* |
| AdmisionDatetime | *Date and time patient was admitted at* |
| AdmissionReferralTypeCode | *Type of the referral patient was admitted for* |

Example Successful response message:

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

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

<IsSuccessful>**true**</IsSuccessful>

</ReferralAdmissionResponse>

Example unSuccessful response message:

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

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

<FailureReason>**Invalid referral status!**</FailureReason>

<IsSuccessful>**false**</IsSuccessful>

<ErrorCode>**3007**</ErrorCode>

</ReferralAdmissionResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## CancelAdmissionForReferral

Description: This method is called to cancel admission of the patient for selected referral and information about the person cancelling admission. If request is successful referral status is changed, and if not method returns reason why the cancellation failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelAdmissionRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancelledBy" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelAdmissionResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ReferralUniqueIdentifier>2013121300019</ReferralUniqueIdentifier>

<CancelledBy>public test</CancelledBy>

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CancelAdmissionRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ReferralUniqueIdentifier | *Unique identifier of the referral patient was admitted for* |
| CancelledBy | *Identifier of the person cancelling the admission* |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |

Example Successful response message:

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

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

<IsSuccessful>**true**</IsSuccessful>

</CancelAdmissionResponse>

Example unSuccessful response message:

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

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

<FailureReason>**Invalid referral status!**</FailureReason>

<IsSuccessful>**false**</IsSuccessful>

<ErrorCode>**3007**</ErrorCode>

</CancelAdmissionResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## CreateReferral

Description: This method is used for creating new referral in the central system. Method returns if the referral was successfully created or not, and if not, reasons why the creation failed.

Parameter GuidelineID must be used when medical procedure has guidelines (see GetGuidelineForProcedure for more info). If medical procedure has guideline, but GuidelineID is not sent, creation of referral will fail.

Parameter ReasonForDuplicateProcedure must be used when there is already active referral for thant patient and for that medical procedure. Creation of another referral with same patient and same medical procedure is allowed, but reason for duplicate referral must be provided, or creation of referral will fail.

CreateReferral web service can be used by admin nurse or doctor specialist for entering paper referral. In both cases AdminNurseIdentifier must be used for sending BPI identifier of administrative nurse or doctor specialist who entered paper referral. If administrative nurse doesn’t have BPI identifier, ID from Varosna Shema must be used (In OpenEHR referral document will be BPI of general practitioner from paper referral). Also, PaperReferralIdentifier must be filled with paper referral ID (in other cases there is no need to enter paper referral ID).

Parameter ChronicConditionCode must be used when creating permanent referral for all VZS except for VZS-s: “Ortodontski pregled”.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreateReferralRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReasonForDuplicateProcedure" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="GuidelineIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AdminNurseIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PaperReferralIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ChronicConditionCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreateReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReferralCreationDatetime" type="xs:dateTime" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

<GuidelineIdentifier>c8c62bc4-2cf8-443c-a97a-305d542862ca</GuidelineIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CreateReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReasonForDuplicateProcedure | *Reason for creating another referral for given procedure while another referral is active* |
| GuidelineIdentifier | *Identifier of the guideline for given medical procedure* |
| AdminNurseIdentifier | *Identifier of the nurse administrator creating the referral* |
| PaperReferralIdentifier | *Identifier of the paper referral nurse is creating this referral for* |
| ChronicConditionCode | *Chronic condition for permanent referral* |

* Example referral XML is in the file 'createReferralExample.xml'

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161018586121080377388770</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:368964fe-3dce-4ad2-8246-8e9b7a3c5b19</XdsDocumentHandleId>

  <ReferralUniqueIdentifier>2014013100001</ReferralUniqueIdentifier>

  <ReferralStatusId>1</ReferralStatusId>

  <ReferralCreationDatetime>2014-01-31T10:12:42</ReferralCreationDatetime>

</CreateReferralResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid application key!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>**2**</ErrorCode>

  <ReferralStatusId>0</ReferralStatusId>

  <ReferralCreationDatetime>0001-01-01T00:00:00</ReferralCreationDatetime>

</CreateReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique handle id of the document in the storage system* |
| XdsDocumentHandleRepositoryUniqueId | *Unique handle id of the document repository in the storage system* |
| XdsDocumentHandleId | *Handle id of the document in the storage system* |
| ReferralUniqueIdentifier | *Referral unique identifier in the central sytem* |
| ReferralCreationDatetime | *Date and time when the referral was created* |

Note: ReferralStatusId is unnecessary parameter. It will be removed in next version.

## UpdateReferral

Description: This method is used to update information for selected referral in the central system. Only patient information of the referral can’t be updated, and if that is attempted an error will be returned. When appointment is scheduled for referral, update is possible only for non medical data. Method returns if the referral was successfully updated or not, and if not, reasons why the update failed.

Update request contains the same parameters as CreateReferral request with UpdateReason added for specifying why referral is being updated. Deprecated from version 2.

Parameter ChronicConditionCode must be used when updating onetime or reausable referral to permanent referral for all VZS, except for VZS-s: “Ortodontski pregled”.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UpdateReason" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReasonForDuplicateProcedure" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="GuidelineIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AdminNurseIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PaperReferralIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ChronicConditionCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <UpdateReason>Referral is updated</UpdateReason>

  <ReasonForDuplicateProcedure>test</ReasonForDuplicateProcedure>

  <GuidelineIdentifier>00000000-0000-0000-0000-000000000000</GuidelineIdentifier>

  <AdminNurseIdentifier>12345</AdminNurseIdentifier>

  <PaperReferralIdentifier>1234567891</PaperReferralIdentifier>

  </UpdateReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| UpdateReason | *Reason for updating the referral* |
| ReasonForDuplicateProcedure | *Reason for creating another referral for given procedure while another referral is active* |
| GuidelineIdentifier | *Identifier of the guideline for given medical procedure* |
| AdminNurseIdentifier | *Identifier of the nurse administrator creating the referral* |
| PaperReferralIdentifier | *Identifier of the paper referral nurse is creating this referral for* |
| ChronicConditionCode | *Chronic condition for permanent referral* |

* Referral XML message is similar like in CreateReferral method.

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161018586121080377388770</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:368964fe-3dce-4ad2-8246-8e9b7a3c5b19</XdsDocumentHandleId>

</UpdateReferralResponse>

Example unsuccessfull response message:

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

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

  <FailureReason>Invalid api key!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</UpdateReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique handle id of the document in the storage system* |
| XdsDocumentHandleRepositoryUniqueId | *Unique handle id of the document repository in the storage system* |
| XdsDocumentHandleId | *Handle id of the document in the storage system* |

## UpdateReferralWithSign

Description: This method is used to update information for selected referral in the central system. Only patient information of the referral can’t be updated, and if that is attempted an error will be returned. When appointment is scheduled for referral, update is possible only for non medical data. Method returns if the referral was successfully updated or not, and if not, reasons why the update failed. Also, method returns the document of the original eReferral (with changed status) as an out parameter. For the action of cancelling to be completed, it is necessary to sign the returned document using the method SignDocument.

Update request contains the same parameters as CreateReferral request with UpdateReason added for specifying why referral is being updated.

Parameter ChronicConditionCode must be used when updating onetime or reausable referral to permanent referral for all VZS, except for VZS-s: “Ortodontsi pregled”.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="UpdateReason" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReasonForDuplicateProcedure" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="GuidelineIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="AdminNurseIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="PaperReferralIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ChronicConditionCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <UpdateReason>Referral is updated</UpdateReason>

  <ReasonForDuplicateProcedure>test</ReasonForDuplicateProcedure>

  <GuidelineIdentifier>00000000-0000-0000-0000-000000000000</GuidelineIdentifier>

  <AdminNurseIdentifier>12345</AdminNurseIdentifier>

  <PaperReferralIdentifier>1234567891</PaperReferralIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

  </UpdateReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| UpdateReason | *Reason for updating the referral* |
| ReasonForDuplicateProcedure | *Reason for creating another referral for given procedure while another referral is active* |
| GuidelineIdentifier | *Identifier of the guideline for given medical procedure* |
| AdminNurseIdentifier | *Identifier of the nurse administrator creating the referral* |
| PaperReferralIdentifier | *Identifier of the paper referral nurse is creating this referral for* |
| ChronicConditionCode | *Chronic condition for permanent referral* |

* Referral XML message is similar like in CreateReferral method.

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161018586121080377388770</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:368964fe-3dce-4ad2-8246-8e9b7a3c5b19</XdsDocumentHandleId>

</UpdateReferralResponse>

Example unsuccessfull response message:

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

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

  <FailureReason>Invalid api key!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</UpdateReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique handle id of the document in the storage system* |
| XdsDocumentHandleRepositoryUniqueId | *Unique handle id of the document repository in the storage system* |
| XdsDocumentHandleId | *Handle id of the document in the storage system* |

## CancelReferral

Description: This method is used to cancel previously created referral. Request contains data about the person cancelling the referral and response has information if referral was cancelled or not. Deprecated in version 2.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancelledBy" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014013100001</ReferralUniqueIdentifier>

  <CancelledBy>dr. Ivan Horvat</CancelledBy>

  </CancelReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| ReferralUniqueIdentifier | *Unique identifier of the referral being cancelled* |
| CancelledBy | *Identifier of the person cancelling the referral* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</CancelReferralResponse>

Example unsuccessful message:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</CancelReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## CancelReferralWithSign

Description: This method is used to cancel previously created referral. Request contains data about the person cancelling the referral and response has information if referral was cancelled or not, and the reason why it was cancelled if necessary. The method returns the document of the original eReferral (with changed status) as an out parameter. For the action of cancelling to be completed, it is necessary to sign the returned document using the method SignDocument.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CancelledBy" type="xs:string" />

<xs:element minOccurs="1" maxOcurrs="1" name="CancellationReasonCode" type="xs:string" />

<xs:element minOccurs="0" maxOcurrs="1" name="CancellationReasonDescription" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CancelReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014013100001</ReferralUniqueIdentifier>

  <CancelledBy>dr. Ivan Horvat</CancelledBy>

  <CancellationReasonCode>1 </CancellationReasonCode>

  <CancellationReasonDescription>Prenaročanje</CancellationReasonDescription>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CancelReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral being cancelled* |
| CancelledBy | *Identifier of the person cancelling the referral* |
| CancellationReasonCode | *Code reason of cancellation* |
| CancellationReasonDescription | *Additional description for reason of cancellation* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

<XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161006989058216270188361</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:bbd27b00-0c3f-44bd-9217-6e2ab66e0abc</XdsDocumentHandleId>

</CancelReferralResponse>

Example unsuccessful message:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</CancelReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## GetReferral

Description: This method is used to retrieve referral document from the storage system. Method returns response with information if request was successful or not, and the requested referral document if successful. When request fails, reason why it failed is returned. Response contains two parameters regarding the validity of the referral. If the referral is reusable and there is a first admission date for that referral in the system, the system puts that date for the value of DateValidFrom. DateValidTo is calculated based on the validity duration of the referral. Duration is added to DateValidFrom to calculate DateValidTo. If the referral is valid for one time or there is no record for first admission for a reusable referral in the system, those two fields are empty (null). Response also contains additional parameter – LatestMedicalProcedure which passes the information for latest valid medical procedure for referral. Since the status of the referral is omitted from the referral document from version 2, latest status of the referral is passed in the response message instead.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DateValidFrom" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DateValidTo" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralStatusCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="LatestMedicalProcedure" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014012900038</ReferralUniqueIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</GetReferralRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the requested referral* |

Example successful response:

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

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

  <IsSuccessful>true</IsSuccessful>

<DateValidFrom>2014-01-31T10:12:42</DateValidFrom>

<DateValidTo>2015-01-31T10:12:42</DateValidTo> <ReferralStatusCode>1</ReferralStatusCode>

<LatestMedicalProcedre>1021</LatestMedicalProcedre>

</GetReferralResponse>

* Method **out** parameter is referral XML.

Example unsuccessful response:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</GetReferralResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| DateValidFrom | *Date from which the referral is valid (if applicable)* |
| DateValidTo | *Date to which the referral is valid (if applicable)* |
| LatestMedicalProcedre | *VZS code of the latest medical procedure the referral is assigned to* |
| ReferralStatusCode | *Code of the latest status of the referral* |

## GetReferralList

Description: This method is used to retrieve list of referrals based on parameters. Method returns information if request was successfully processed or not, and if not, why processing failed. If request was successful response contains an array of referral summaries with general information about each referral.

Paramteres are used to filter the resulting list. Results can be filtered by the patient for which the referral was created, the doctor that has created the referral or by both . Additional filters include date of creating the referral and statuses in which the referral must be.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:complexType name="ArrayOfString">

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" name="string" nillable="true" type="xs:string" />

</xs:sequence>

</xs:complexType>

<xs:element name="GetReferralListRequest">

<xs:complexType>

<xs:sequence>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="RequestorDocIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="DatetimeFrom" nillable="true" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="DatetimeTo" nillable="true" type="xs:dateTime" />

<xs:element minOccurs="0" maxOccurs="1" name="Statuses" type="ArrayOfString" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralSummary">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string"/>

<xs:element name="PatientUniqueIdentifier" nillable="true" >

<xs:simpleType>

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

<xs:pattern value="[0-9]{13}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element name="PatientInsuranceIdentifier">

<xs:simpleType>

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

<xs:pattern value="[0-9]{9}" />

<xs:pattern value="[a-zA-Z0-9]{16}" />

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="RequestorDocIdentifier" type="xs:string"/>

<xs:element minOccurs="1" maxOccurs="1" name="RequestorDocName" type="xs:string"/>

<xs:element minOccurs="1" maxOccurs="1" name="RequestorDocSurname" type="xs:string"/>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralCreationDatetime" type="xs:dateTime"/>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralStatusCode" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="AppointmentUniqueIdentifier">

<xs:simpleType>

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

<xs:length value="15"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="1" maxOccurs="1" name="AppointmentDatetime" nillable="true" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalDiagnosis" type="xs:string"/>

<xs:element minOccurs="1" maxOccurs="1" name="MedicalProcedure" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="LastAdmissionFacility" type="xs:string"/>

<xs:element minOccurs="0" maxOccurs="1" name="EarliestControlDate" nillable="true" type="xs:dateTime"/>

<xs:element minOccurs="1" maxOccurs="1" name="UrgencyTypeCode">

<xs:simpleType>

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

<xs:enumeration value="2"/>

<xs:enumeration value="3"/>

<xs:enumeration value="4"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

<xs:element minOccurs="0" maxOccurs="1" name="DateValidFrom" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="DateValidTo" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="Referrals">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" ref="ReferralSummary" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="GetReferralListResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" ref="Referrals" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<PatientInsuranceIdentifier>**123456789**</PatientInsuranceIdentifier>

<RequestorDocIdentifier>**98826622**</RequestorDocIdentifier>

<DatetimeFrom>**2013-03-24T00:00:00**</DatetimeFrom>

<DatetimeTo>**2014-01-10T10:47:05.1832968+01:00**</DatetimeTo>

<Statuses>

<string>**1**</string>

<string>**2**</string>

<string>**3**</string>

</Statuses>

</GetReferralListRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| PatientInsuranceIdentifier | *Insurance identifier of the patient the referral list is requested for* |
| RequestorDocIdentifier | *Identifier of the doctor the referral list is requested for* |
| DateTimeFrom | *Date and time of referral creation datetime* |
| DateTimeTo | *Date and time of the end of period the referral list is requested for* |
| Statuses | *List of status codes the referral list is requested for (references catalog “Referral Status”)* |

Example Successful response message:

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

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

<IsSuccessful>**true**</IsSuccessful>

<Referrals>

<ReferralSummary>

<ReferralUniqueIdentifier>**2013120900121**</ReferralUniqueIdentifier>

<PatientUniqueIdentifier>**4271236612345**</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>**123456789**</PatientInsuranceIdentifier>

<RequestorDocIdentifier>**98826622**</RequestorDocIdentifier>

<RequestorDocName>**Mihael**</RequestorDocName>

<RequestorDocSurname>**Doktor**</RequestorDocSurname>

<ReferralCreationDatetime>**2013-12-09T10:51:10**</ReferralCreationDatetime>

<ReferralStatusCode>**1**</ReferralStatusCode>

<AppointmentDatetime xsi:nil="**true**" />

<MedicalDiagnosis>**A01.1**</MedicalDiagnosis>

<MedicalProcedure>**1021P**</MedicalProcedure>

<UrgencyTypeCode>**2**</UrgencyTypeCode>

</ReferralSummary>

<ReferralSummary>

<ReferralUniqueIdentifier>**2013120100017**</ReferralUniqueIdentifier>

<PatientUniqueIdentifier>**4271236612345**</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>**123456789**</PatientInsuranceIdentifier>

<RequestorDocIdentifier>**98826622**</RequestorDocIdentifier>

<RequestorDocName>**Mihael**</RequestorDocName>

<RequestorDocSurname>**Doktor**</RequestorDocSurname>

<ReferralCreationDatetime>**2013-12-00T15:21:08**</ReferralCreationDatetime>

<ReferralStatusCode>**1**</ReferralStatusCode>

<AppointmentDatetime xsi:nil="**true**" />

<MedicalDiagnosis>**A01.1**</MedicalDiagnosis>

<MedicalProcedure>**1021P**</MedicalProcedure>

<LastAdmissionFacility>**50001**</LastAdmissionFacility>

<EarliestControlDate>**2013-12-09T10:51:10**</EarliestControlDate>

<UrgencyTypeCode>**2**</UrgencyTypeCode>

<DateValidFrom>**2013-12-09T10:51:10**</DateValidFrom>

<DateValidTo>2045-01-31T10:12:42</DateValidTo>

</ReferralSummary>

<ReferralSummary>

<ReferralUniqueIdentifier>**2013121000019**</ReferralUniqueIdentifier>

<PatientUniqueIdentifier>**4271236612345**</PatientUniqueIdentifier>

<PatientInsuranceIdentifier>**123456789**</PatientInsuranceIdentifier>

<RequestorDocIdentifier>**98826622**</RequestorDocIdentifier>

<RequestorDocName>**Mihael**</RequestorDocName>

<RequestorDocSurname>**Doktor**</RequestorDocSurname>

<ReferralCreationDatetime>**2013-12-10T15:21:08**</ReferralCreationDatetime>

<ReferralStatusCode>**2**</ReferralStatusCode>

<AppointmentUniqueIdentifier>**320182227685357**</AppointmentUniqueIdentifier>

<AppointmentDatetime>**2014-03-31T19:00:00**</AppointmentDatetime>

<MedicalDiagnosis>**A01.0**</MedicalDiagnosis>

<MedicalProcedure>**1068**</MedicalProcedure>

<UrgencyTypeCode>**2**</UrgencyTypeCode>

</ReferralSummary>

</Referrals>

</GetReferralListResponse>

Example unSuccessful response message:

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

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

  <FailureReason>Invalid requestor doctor identifier and patient unique identifier! Invalid referral status!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</GetReferralListResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| ReferralUniqueIdentifier | *Uniqe identifier of the referral in the central system* |
| PatientUniqueIdentifier | *Unique identifier of the patient referral is for* |
| PatientInsuranceIdentifier | *Insurance identifier of the patient referral is for* |
| RequestorDocIdentifier | *Identifier of the doctor that created the referral* |
| RequestorDocName | *First name of the doctor that created the referral* |
| RequestorDocSurname | *Last name of the doctor that created the referral* |
| ReferralCreationDatetime | *Date and time the referral was created at* |
| ReferralStatusCode | *Code of the status of the referral ( references catalog “Referral Status”)* |
| AppointmentUniqueIdentifier | *Unique identifier of the appointment for the referral if exists* |
| AppointmentDatetime | *Date and time of the appointment for the referral if appointment exists* |
| MedicalDiagnosis | *Code of the medical diagnosis on the referral* |
| MedicalProcedure | *Code of the medical procedure on the referral* |
| LastAdmissionFacility | *Code of the medical facility in which patient had last checkup for this referral* |
| EarliestControlDate | *Earliest date of the next control exam for referral* |
| DateValidFrom | *Validity start date of referral* |
| DateValidTo | *Validity expiry date of referral* |

## GetReferralPdf

Description: This method is used to retrieve referral document from the storage system needed for PDF creation. Method returns response with byte array which contains referral data if the response is successful. When request fails, reason why it failed is returned.

Response contains main parameters: referral unique identifier and byte array.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralPdfRequest">

< xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientInsuranceIdentifier" type="xs:string" />

</xs:sequence >

</xs:complexType >

</xs:element >

</xs:schema >

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralPdfResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="Referral" type="xs:base64Binary" />

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason"

type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful"

type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode"

type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

<ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

<HealthcareProviderIndex>12681</HealthcareProviderIndex>

<HealthcareProviderSpecificIndex>6679A</HealthcareProviderSpecificIndex>

<ReferralUniqueIdentifier>**2013120900121**</ReferralUniqueIdentifier>

<PatientInsuranceIdentifier>**123456789**</PatientInsuranceIdentifier

</GetReferralPdfRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the requested referral* |
| PatientInsuranceIdentifier | *Insurance identifier of the referral patient* |

Example Successful response message:

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

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

<IsSuccessful>true</IsSuccessful>

<ReferralUniquIdentifier>2020011600002</ReferralUniquIdentifier> <Referral></Referral>

</GetReferralPdfResponse>

Example unSuccessful response message:

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

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

  <FailureReason>Invalid referral unique identifier!FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</GetReferralPdfResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| ReferralUniqueIdentifier | *Uniqe identifier of the referral in the central system* |
| Referral (xs:base64Binary ) | *Unique identifier of the patient referral is for* |

## CreateReferralAttachment

Description: This method is used to add attachment to referral. Supported formats include PDF, textual files and pictures. Response contains information about file handles in storage repository if request was successful or reason why the request was denied if it failed.

Maximum attachment size is 1MB and supported file formats include pdf, doc, docx, txt, jpg, gif.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreateReferralAttachmentRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AttachmentContent" type="xs:base64Binary" />

<xs:element minOccurs="1" maxOccurs="1" name="CreationDateTime" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="MetadataClassCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MetadataTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="DocumentTitle" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="CreateReferralAttachmentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

  <AttachmentContent>JVBERi0xLjUNCiW1tbW1DQoxIDAgb2JqDQo8PC9==</AttachmentContent>

  <CreationDateTime>2014-01-30T15:15:21.3530303+01:00</CreationDateTime>

  <MetadataClassCode>3</MetadataClassCode>

  <MetadataTypeCode>51845-6</MetadataTypeCode>

  <DocumentTitle>Test attachment</DocumentTitle>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</CreateReferralAttachmentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral attachment is for* |
| AttachmentContent | *Binary content of the attachment* |
| CreationDateTime | *Date and time of creating the attachment* |
| MetadataClassCode | *Code of the metadata class of the attachment* |
| MetadataTypeCode | *Code of the metadata type of the attachment* |
| DocumentTitle | *Title of the attachment* |

Example Successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161006989058216270188361</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:bbd27b00-0c3f-44bd-9217-6e2ab66e0abc</XdsDocumentHandleId>

</CreateReferralAttachmentResponse>

Example unSuccessful response message:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</CreateReferralAttachmentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique handle id of the document in the storage system* |
| XdsDocumentHandleRepositoryUniqueId | *Unique handle id of the document repository in the storage system* |
| XdsDocumentHandleId | *Handle id of the document in the storage system* |

## UpdateReferralAttachment

Description: This method is used to update attachment content and info for referral. Response contains information about new file handles in storage repository if request was successful or reason why the request was denied if it failed.

Maximum attachment size is 1MB and supported file formats include pdf, doc, docx, txt, jpg, gif.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralAttachmentRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="NewAttachmentContent" type="xs:base64Binary" />

<xs:element minOccurs="1" maxOccurs="1" name="NewCreationDateTime" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="NewMetadataClassCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="NewMetadataTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="NewDocumentTitle" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="Reason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="OldAttachmentHandleId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="OldAttachmentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="OldAttachmentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="UpdateReferralAttachmentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

  <NewAttachmentContent>JVBERi0xLjUNCiW1tbW1Dqo=</NewAttachmentContent>

  <NewCreationDateTime>2014-01-30T15:40:47.0810367+01:00</NewCreationDateTime>

  <NewMetadataClassCode>3</NewMetadataClassCode>

  <NewMetadataTypeCode>51845-6</NewMetadataTypeCode>

  <NewDocumentTitle>Update attachment</NewDocumentTitle>

  <Reason>Pogreška u prethodnom dokumentu</Reason>

  <OldAttachmentHandleId>urn:uuid:bbd27b00-0c3f-44bd-9217-6e2ab66e0abc</OldAttachmentHandleId>

  <OldAttachmentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161006989058216270188361</OldAttachmentHandleUniqueId>

  <OldAttachmentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</OldAttachmentHandleRepositoryUniqueId>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</UpdateReferralAttachmentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral attachment is for* |
| NewAttachmentContent | *Binary content of the updated attachment* |
| NewCreationDateTime | *Date and time of updating the attachment* |
| NewMetadataClassCode | *Code of the metadata class of the attachment* |
| NewMetadataTypeCode | *Code of the metadata type of the attachment* |
| NewDocumentTitle | *Title of the attachment* |
| Reason | *Reason for updating the attachment* |
| OldAttachmentHandleId | *Id of the handle for the old attachment in the storage system* |
| OldAttachmentHandleUniqueId | *Unique id of the handle for the old attachment in the storage system* |
| OldAttachmentHandleRepositoryUniqueId | *Repositora unique id of the handle for the old attachment in the storage system* |

Example successful respose message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161004552279183131472487</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:60f6df8c-ab05-4a99-b051-dc33aeb84d48</XdsDocumentHandleId>

</UpdateReferralAttachmentResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid handle identifiers!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</UpdateReferralAttachmentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique handle id of the document in the storage system* |
| XdsDocumentHandleRepositoryUniqueId | *Unique handle id of the document repository in the storage system* |
| XdsDocumentHandleId | *Handle id of the document in the storage system* |

## GetReferralAttachment

Description: This method is used to get the requested attachment for referral from storage repository based on specified file handles and referral identifier. Response contains requested file if request was successful or reason why the request was denied if it failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralAttachmentRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralAttachmentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="Content" type="xs:base64Binary" />

<xs:element minOccurs="0" maxOccurs="1" name="Type" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="Title" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <HandleId>urn:uuid:60f6df8c-ab05-4a99-b051-dc33aeb84d48</HandleId>

  <HandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161004552279183131472487</HandleUniqueId>

  <HandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</HandleRepositoryUniqueId>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</GetReferralAttachmentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| HandleId | *Id of the handle for the requested attachment in the storage system* |
| HandleUniqueId | *Unique id of the handle for the requested attachment in the storage system* |
| HandleRepositoryUniqueId | *Repositora unique id of the handle for the requested attachment in the storage system* |
| ReferralUniqueIdentifier | *Unique identifier of the referral attachment is for* |

Exampe successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

<Content>**JVBERi0xLjUNCiW1tbW1Dqox=**</Content>

<Type>**text/plain**</Type>

<Title>**att.txt**</Title>

</GetReferralAttachmentResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid handle identifiers!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</GetReferralAttachmentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| Content | *Binary content of the attachment* |
| Type | *Mime type of the attachment content* |
| Title | *Title of the attachment content* |

## GetReferralAttachmentList

Description: Ths method is used to get a list of attachments for referral. Method returns information if request was successfully processed or not, and if not, why processing failed. If request was successful response contains an array of attachment summaries with general information about each attachment.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetReferralAttachmentListRequest" >

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="ReferralAttachmentSummary">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="Title" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="CreationDateTime" type="xs:dateTime" />

<xs:element minOccurs="1" maxOccurs="1" name="MetadataClassCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MetadataTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareFaciliyTypeCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PracticeSettingCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HandleRepositoryUniqueId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="Attachments">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="unbounded" ref="ReferralAttachmentSummary" />

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="GetReferralAttachmentListResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" ref="Attachments" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</GetReferralAttachmentListRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| ReferralUniqueIdentifier | *Unique identifier of the referral attachment is for* |

Example successful response:

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

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

 <IsSuccessful>true</IsSuccessful>

<Attachments>

<ReferralAttachmentSummary>

  <Title>Update attachment</Title>

  <CreationDateTime>2014-01-30T15:40:47</CreationDateTime>

  <MetadataClassCode>3</MetadataClassCode>

  <MetadataTypeCode>51845-6</MetadataTypeCode>

  <HealthcareFaciliyTypeCode>3</HealthcareFaciliyTypeCode>

  <PracticeSettingCode>302</PracticeSettingCode>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

  <HandleId>urn:uuid:60f6df8c-ab05-4a99-b051-dc33aeb84d48</HandleId>

  <HandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161004552279183131472487</HandleUniqueId>

  <HandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</HandleRepositoryUniqueId>

</ReferralAttachmentSummary>

<ReferralAttachmentSummary>

  <Title>Update attachment</Title>

  <CreationDateTime>2014-01-28T11:48:54</CreationDateTime>

  <MetadataClassCode>3</MetadataClassCode>

  <MetadataTypeCode>51845-6</MetadataTypeCode>

  <HealthcareFaciliyTypeCode>3</HealthcareFaciliyTypeCode>

  <PracticeSettingCode>302</PracticeSettingCode>

  <ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

  <HandleId>urn:uuid:691b1f1d-8dfe-43b6-aa20-d2ccdb6d1913</HandleId>

  <HandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.160982876224354309313335</HandleUniqueId>

  <HandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</HandleRepositoryUniqueId>

</ReferralAttachmentSummary>

  </Attachments>

</GetReferralAttachmentListResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</GetReferralAttachmentListResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| Title | *Title of the document* |
| CreationDatetime | *Date and time of the document creation* |
| MetadataClassCode | *Code of the metadata class for the document* |
| MetadataTypeCode | *Code of the metadata type for the document* |
| HealthcareFaciliyTypeCode | *Code of the healthcare facility type* |
| PracticeSettingCode | *Code of the practice setting* |
| ReferralUniqueIdentifier | *Unique identifier of the referral the attachment is for* |
| HandleId | *Id of the handle for the attachment in the storage system* |
| HandleUniqueId | *Unique id of the handle for the attachment in the storage system* |
| HandleRepositoryUniqueId | *Repository unique id of the handle for the attachment in the storage system* |

## SignDocument

Description: This method is used to sign documents sent while calling other methods like CreateReferral or CreateReferralAttachment. Request contains file handles for the specified document in storage repository and patient identifier. Method returns information if request was successfully processed or not, and if not, why processing failed. If request was successful response contains file handles for the specified file.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="SignDocumentRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="PatientKZZIdentifier" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" /> </xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="SignDocumentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="XdsDocumentHandleId" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161006989058216270188361</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleId>urn:uuid:bbd27b00-0c3f-44bd-9217-6e2ab66e0abc</XdsDocumentHandleId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <PatientKZZIdentifier>123456789</PatientKZZIdentifier>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</SignDocumentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| HealthcareProviderSpecificIndex | *Specific index of the healthcare provider. This index is generated and used when there are multiple hospitals under one base index* |
| XdsDocumentHandleUniqueId | *Unique id of the handle for the document being signed* |
| XdsDocumentHandleId | *Id of the handle for the document being signed* |
| XdsDocumentHandleRepositoryUniqueId | *Repository unique id of the handle for document being signed* |
| PatientKZZIdentifier | *Insurance identifier of the patient signed document is created for* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <XdsDocumentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161006989058216270188361</XdsDocumentHandleUniqueId>

  <XdsDocumentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</XdsDocumentHandleRepositoryUniqueId>

  <XdsDocumentHandleId>urn:uuid:bbd27b00-0c3f-44bd-9217-6e2ab66e0abc</XdsDocumentHandleId>

</SignDocumentResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid api key!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</SignDocumentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| XdsDocumentHandleUniqueId | *Unique id of the handle for the signed document* |
| XdsDocumentHandleId | *Id of the handle for the the signed document* |
| XdsDocumentHandleRepositoryUniqueId | *Repository unique id of the handle for the signed document* |

## GetGuidelineForProcedure

Description: Method must be called before calling CreateReferral method. GuidelineID identifier has to bi obtained so it can be passed as parameter when calling CreateReferral. If medical procedure does not have guideline, empty GuidelineID will be returned. CreateReferral method, in that case, can be called with empty GuidelineID.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="GetGuidelineForProcedureRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name=" MedicalProcedureCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name=" GetGuidelineForProcedureResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="GuidelineText" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="GuidelineId" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <MedicalProcedureCode>1021P</MedicalProcedureCode>

</GetGuidelineForProcedureRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| MedicalProcedureCode | *Code of the medical procedure the guideline is requested for* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

  <GuidelineText>Some texd describing guideline for procedure</GuidelineText >

<GuidelineId> f309bea1-c45d-4f59-812d-791c80a68be9</GuidelineId>

</GetGuidelineForProcedureResponse>

Example unsuccessful response message:

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

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

  <FailureReason>Invalid medical procedure code!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</SignDocumentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |
| GuidelineText | *Text of the guideline for the medical procedure* |
| GuidelineId | *Id of the guideline for the medical procedure* |

## RegisterConcessioner

Description: Method is called when concessioner starts his usual work application. Application sends his ApiKey provided in central system registration of the concessioner, and the response contains information if the concessioner has been successfully registered or reason why if the registration failed.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="RegisterConcessionerRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name=" RegisterConcessionerResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:oolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>90d5bd87-5bc8-4d57-bdf0-95e152222b96</ApiKey>

<MedicalFacilityCode>12345</MedicalFacilityCode>

</RegisterConcessionerRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Key provided from administrator when caoncessioner was connected to the system* |
| MedicalFacilityCode | *Code of the registering facility* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</RegisterConcessionerResponse>

Example unsuccessful response message:

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

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

  <FailureReason> Service url does not exist for facility 12345!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</RegisterConcessionerResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## DeleteReferralAttachment

Description: This method is used to delete the attachment for referral from storage repository based on specified file handles and referral identifier. Response has information if attachment was deleted or not, and the reason why it was not deleted if necessary

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="DeleteReferralAttachmentRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="HealthcareProviderIndex" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ReferralUniqueIdentifier" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AttachmentHandleId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AttachmentHandleUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="AttachmentHandleRepositoryUniqueId" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="Reason" type="xs:string" />

<xs:element minOccurs="0" maxOccurs="1" name="HealthcareProviderSpecificIndex" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="DeleteReferralAttachmentResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:oolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>1d75ed19-1499-47ce-92cf-2377d01f9ade</ApiKey>

  <HealthcareProviderIndex>12681</HealthcareProviderIndex>

<ReferralUniqueIdentifier>2014012500040</ReferralUniqueIdentifier>

  <AttachmentHandleId>urn:uuid:60f6df8c-ab05-4a99-b051-dc33aeb84d48</AttachmentHandleId>

  <AttachmentHandleUniqueId>2.16.840.1.113883.3.711.2.1.4.4.161004552279183131472487</AttachmentHandleUniqueId>

  <AttachmentHandleRepositoryUniqueId>2.16.840.1.113883.3.711.2.1.4.5.12681</AttachmentHandleRepositoryUniqueId>

<Reason>Reason for deletion</Reason>

<HealthcareProviderSpecificIndex>12681A</HealthcareProviderSpecificIndex>

</DeleteReferralAttachmentRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Application key of the application making the request* |
| HealthcareProviderIndex | *Index of the healthcare provider* |
| ReferralUniqueIdentifier | *Unique identifier of the referral attachment is for* |
| AttachmentHandleId | *Id of the handle for the requested attachment in the storage system* |
| AttachmentHandleUniqueId | *Unique id of the handle for the requested attachment in the storage system* |
| AttachmentHandleRepositoryUniqueId | *Repository unique id of the handle for the requested attachment in the storage system* |
| Reason | *Reason for deleting attachment* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</DeleteReferralAttachmentResponse>

Example unsuccessful message:

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

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

  <FailureReason>Invalid referral unique identifier!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

<ErrorCode>2</ErrorCode>

</DeleteReferralAttachmentResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

## RegisterProceduresForConcessioner

Description: Concessoioners call this method to send information for medical procedures for which they provide service. COS will initiate FreeSlotFetch and AppointmentsFetch for those medical procedures.

Request message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="RegisterProceduresForConcessionerRequest">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="1" maxOccurs="1" name="ApiKey" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="MedicalFacilityCode" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="ProcedureCodes" type="ArrayOfString" />

<xs:element minOccurs="0" maxOccurs="1" name="MedicalFacilitySpecificCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Response message XSD:

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name=" RegisterProceduresForConcessionerResponse">

<xs:complexType>

<xs:sequence>

<xs:element minOccurs="0" maxOccurs="1" name="FailureReason" type="xs:string" />

<xs:element minOccurs="1" maxOccurs="1" name="IsSuccessful" type="xs:boolean" />

<xs:element minOccurs="0" maxOccurs="1" name="ErrorCode" type="xs:string" />

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

Example request message:

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

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

  <ApiKey>90d5bd87-5bc8-4d57-bdf0-95e152222b96</ApiKey>

<MedicalFacilityCode>12345</MedicalFacilityCode>

<ProcedureCodes>

<string>**1053**</string>

<string>1011P</string>

<string>**1038P**</string>

</ProcedureCodes>

<MedicalFacilitySpecificCode>12345A</MedicalFacilitySpecificCode>

</RegisterProceduresForConcessionerRequest>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| ApiKey | *Key provided from administrator when caoncessioner was connected to the system* |
| MedicalFacilityCode | *Code of the registering facility* |
| MedicalFacilitySpecificCode | *Specific code of the hospital for which the slots and appointments are being managed. This code is generated and used when there are multiple hospitals under one base code.* |
| ProcedureCodes | *List of VZS codes for procedures that the conceccioner is registering for FreeSlotFetch and AppointmentsFetch* |

Example successful response message:

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

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

  <IsSuccessful>true</IsSuccessful>

</RegisterProceduresForConcessionerResponse>

Example unsuccessful response message:

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

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

  <FailureReason> Service url does not exist for facility 12345!</FailureReason>

  <IsSuccessful>false</IsSuccessful>

  <ErrorCode>2</ErrorCode>

</RegisterConcessionerResponse>

**Field description:**

|  |  |
| --- | --- |
| FieldName | Description |
| FailureReason | *Reason why the request failed* |
| IsSuccessful | *Flag indicating if the request was successful or not* |
| ErrorCode | *Code of the error that occurred while processing the request (references catalog “Error Types”)* |

# Web applications references

## eAppointments

### Ordering process

To call ordering web use URL specified for your area with parameters specified in the table below. Recommended HTTP method for accessing the web is POST.

|  |  |
| --- | --- |
| Area | URL |
| VPN | [*https://napotnica.ezdrav.si/eAppointments/Home/FreeSlots*](https://napotnica.ezdrav.si/eAppointments/Home/FreeSlots) |
| Internet | [*https://storitve.ezdrav.si/narocanje/IN2.MedicalOrdering.ReferralWeb/eAppointments/Home/FreeSlots*](https://storitve.ezdrav.si/narocanje/IN2.MedicalOrdering.ReferralWeb/eAppointments/Home/FreeSlots) |

|  |  |  |
| --- | --- | --- |
| Parameter name | Parameter example | Parameter description |
| RegionCode | 10 | Empty value means all regions – optional |
| BookerIdentifier | 12345 | Booker identifier (unique identifier of doctor which has made reservation) |
| ReferralCode | 2014030400008 | Unique identifier of eReferral |
| PatientInsuranceIdentifier | 123456789 | Patient insurance identifier (ZZZS) |
| OfficePhone | 012345678 | Office phone number (number need match this regex: *(^\+[0-9]{11,12}$)|(^0[0-9]{8,9}$)* – optional |

Example request url:

https://napotnica.ezdrav.si/eAppointments/Home/FreeSlots?RegionCode=&BookerIdentifier=12345&ReferralCode=2014030400008&PatientInsuranceIdentifier=123412345&OfficePhone=0311234567

### View order process

To see (and cancel) patient's appointments you need to call *https://napotnica.ezdrav.si/eAppointments/Home/PatientAppointments* view with following parameters:

|  |  |  |
| --- | --- | --- |
| Parameter name | Parameter example | Parameter description |
| patientName | Ivica | Patient first name |
| patientSurname | Kostelic | Patient last name |
| patientInsuranceIdentifier | 123456789 | Patient insurance identifier (ZZZS) |
| patientStreetName | Ljubljanska%20Ulica | Patient street name |
| patientStreetNumber | 2 | Patient street number |
| patientCityName | Novo mesto | Patient city name |
| patientPhone | 015555879 | Patient phone number (number need match this regex: *(^\+[0-9]{11,12}$)|(^0[0-9]{8,9}$)*– optional |
| patientMobile | 0995555879 | Patient mobile phone number (number need match this regex: *(^\+[0-9]{11,12}$)|(^0[0-9]{8,9}$)* – optional |
| patientEMail | [ivica.kostelic@mail.com](mailto:ivica.kostelic@mail.com) | Patient e-mail address – optional |
| patientBirthDate | 24.01.1990 | Patient birth date (format: dd.MM.yyyy) |
| medicalProcedureCode | 1021P | Medical procedure code – optional |

Example request url:

<https://napotnica.ezdrav.si/eAppointments/Home/PatientAppointments?patientName=Ivica&patientSurname=Kostelic&patientInsuranceIdentifier=123456789&patientStreetName=Ljubljanska%20ulica&patientStreetNumber=2&patientCityName=Novo%20Mesto&patientAddress=undefined&patientPhone=015555879&patientMobile=0995555879&patientEMail=ivica.kostelic@mail.com&patientBirthDate=12.02.2003&medicalProcedureCode=1021P>

## eWaiting Lists

Public web site for eWaiting Lists is available at URL [*https://cakalnedobe.ezdrav.si/*](https://cakalnedobe.ezdrav.si/) . Instructions for accessing waiting lists for specified medical procedure or medical facility directly, without having to fill out the given form at preceding URL, are given in following chapters.

### Waiting lists for medical procedure

To access waiting lists for a specified medical procedure with given region and urgency type, you need to call [*https://cakalnedobe.ezdrav.si/Home/ProcedureAppointmentSlots*](https://cakalnedobe.ezdrav.si/Home/ProcedureAppointmentSlots) with following parameters:

|  |  |  |
| --- | --- | --- |
| Parameter name | Parameter example | Parameter description |
| medicalProcedureCode | 1991 | Medical procedure code - required |
| regionCode | 02 | Region code (empty value or omitted completely means all regions) - optional |
| urgencyTypeCode | 2 | Urgency type code – required |

Example request URL:

<https://cakalnedobe.ezdrav.si/Home/ProcedureAppointmentSlots?medicalProcedureCode=1991&regionCode=02&urgencyTypeCode=2>

### Waiting lists for medical facility

To access waiting lists for a specified medical facility with given urgency type, you need to call [*https://cakalnedobe.ezdrav.si/Home/FacilityAppointmentSlots*](https://cakalnedobe.ezdrav.si/Home/FacilityAppointmentSlots) with following parameters:

|  |  |  |
| --- | --- | --- |
| Parameter name | Parameter example | Parameter description |
| medicalFacilityCode | 31012 | Medical facility code - required |
| urgencyTypeCode | 2 | Urgency type code – required |

Example request URL:

[https://cakalnedobe.ezdrav.si/Home/FacilityAppointmentSlots?medicalFacilityCode=31012&urgencyTypeCode=2](https://cakalnedobe.ezdrav.si/Home/FacilityAppointmentSlots?medicalFacilityCode=31012&urgencyTypeCode=2 )

# Catalogs

## Error types

|  |  |  |
| --- | --- | --- |
| CODE | DISPLAY\_NAME | DESCRIPTION |
| 0 | General error | General error class |
| 0001 | HOS unhandled exception | Hospital ordering service unhandled exception |
| 0002 | COS unhandled exception | Central ordering service unhandled exception |
| 0003 | Referral service reusable referral update unhandled exception | Referral service reusable referral update unhandled exception |
| 0004 | Referral service reusable referral expiration update unhandled exception | Referral service reusable referral expiration update unhandled exception |
| 0005 | Referral service referral expiration update unhandled exception | Referral service referral expiration update unhandled exception |
| 0006 | Referral service deceased patients update exception | Referral service deceased patients update exception |
| 0007 | Referral service appointments expiration referrals unhandled exception | Referral service appointments expiration referrals unhandled exception |
| 0008 | The permission for this action doesn’t exists. | User does not have a permission for this action. |
| 1 | Communication error | General communication error class |
| 1001 | XML schema definition error | Error occurs when XML message is not well formatted |
| 1002 | Service not available | Occurs when communication service is not available |
| 1003 | Communication with Marand is not available | Occurs when communication with Marand is unavailable |
| 2 | Data validation error | General data validation error |
| 2001 | Required field is empty | Occurs when required field is empty |
| 2002 | Data format error | Occurs when data does not meet format requirements |
| 2003 | Referral can’t be updated | Referral cannot be updated due to prior admissions |
| 2004 | Referral has a duplicate | Active referral with same diagnosis and same procedure found for patient, but reason for duplicate referral is not provided. |
| 2005 | Can’t cancel referral with admission | Referral have an admission and they can not be cancelled |
| 3 | Medical data validation error | Medical procedure restrictions error |
| 3001 | Gender restriction | Medical procedure is performed only on patients of specific gender |
| 3002 | Diagnoses restriction | Medical procedure is performed only on patients with specific diagnosis/ diagnoses |
| 3003 | Age restriction | Patient is too young or too old for medical procedure |
| 3004 | E-ordering is not allowed | E-ordering is not allowed for medical procedure |
| 3005 | E-ordering is not allowed for this urgency type code | E-ordering is not allowed for immediate urgency type code |
| 3006 | Medical procedure is not active | E-ordering is not allowed for inactive medical procedure. Also you can’t create/update referral with inactive medical procedure |
| 3007 | Invalid referral status | Occurs when referral is in invalid status |
| 3008 | Invalid appointment status | Occurs when appointment is in invalid status |
| 3009 | Invalid appointment medical facility | Occurs when next appointment isn't in same medical facility like previous referral's appointments. |
| 3010 | E-ordering is not allowed after first realisation | E-ordering is not allowed again for this medical procedure |
| 3011 | Waiting lists are not allowed for this medical procedure! | Waiting lists are not allowed for this medical procedure! |
| 3012 | eReferral is not allowed for this medical procedure! | eReferral is not allowed for this medical procedure! |
| 5 | Prijavite narocilo centralnemu sistemu (AppointmentCreatedForReferral). | Report the order to the central system (AppointmentCreatedForReferral). |
| 8 | Napaka pri pošiljanju e-pošte in sms-a | Error sending email and sms |

## Urgency types

|  |  |  |  |
| --- | --- | --- | --- |
| CODE | NAME | ACTIVE | ATCODE |
| 2 | Hitro | Y | at0.0.44 |
| 3 | Redno | Y | at0.0.45 |
| 4 | Zelo hitro | Y | at0.0.62 |

## Appointment types

|  |  |  |
| --- | --- | --- |
| CODE | NAME | ACTIVE |
| SCH | Urnik | Y |
| ORD | Čakalna vrsta | Y |

## Responses

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 01 | Free slot exists (slot from the calendar) |
| 02 | Appointments made in the hospital (slot from waiting book) |
| 03 | Medical procedure not supported |
| 04 | No free slots |
| 05 | Free admission |
| 06 | Procedure provided within another general procedure |

## Patient gender

|  |  |
| --- | --- |
| CODE | NAME |
| M | Moški |
| F | Ženski |
| N | Neznan |

## Type code

Current version of catalog is available here: <https://confluence.marand.si/display/IHAPI/DocumentType>

## Class code



Current version of catalog is available here: <https://confluence.marand.si/display/IHAPI/DocumentClass>

## Referral status

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Izdana |
| 2 | Vpisana |
| 3 | V uporabi |
| 4 | Izkoriščena |
| 5 | Ni izkoriščena |
| 6 | Preklicana |

## Statistical regions

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 01 | Pomurska regija |
| 02 | Podravska regija |
| 03 | Koroška regija |
| 04 | Savinjska regija |
| 05 | Zasavska regija |
| 06 | Posavska regija |
| 07 | Jugovzhodna Slovenija |
| 08 | Osrednjeslovenska regija |
| 09 | Gorenjska regija |
| 10 | Primorsko-notranjska regija |
| 11 | Goriška regija |
| 12 | Obalno-kraška regija |

## Validity types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| at0.0.0.65 | Enkratno |
| at0.0.0.66 | Za obdobje |

## Referral reasons

|  |  |
| --- | --- |
| CODE | DISPLAY |
| at0.0.4 | Bolezen |
| at0.0.5 | Poskodba izven dela |
| at0.0.6 | Poklicna bolezen |
| at0.0.7 | Poskodba pri delu |
| at0.0.8 | Poskodba izven dela po tretji osebi |
| at0.0.9 | Transplantacija |

## Doctor types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| at0.4 | Osebni |
| at0.5 | Nadomestni |
| at0.6 | NMP |
| at0.7 | Napotni |

## Admission Referral Type

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Napotitev na ambulantno obravnavo pri specialistu na pobudo izbranega zdravnika. |
| 2 | Napotitev, ki jo je narocil specialist (kontrolni pregled). |
| 3 | Napotitev v bolnisnico. |
| 4 | Napotitev na diagnosticno preiskavo na pobudo izbranega zdravnika. |
| 5 | Napotitev na diagnosticno preiskavo na pobudo specialista. |
| 6 | Napotitve v casu dezurne in urgentne sluzbe. |

## eReferral Cancellation Code catalog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE | | DISPLAY | ATCODE |  |  |  |
| 1 | eNapotnica izdelana z napačnimi podatki (napačen vnos) | | at0.0.54 |  |  |  |
| 2 | Storitev opravljena kot nujna | | at0.0.55 |  |  |  |
| 3 | Pacient opravil storitev pri zasebniku | | at0.0.56 |  |  |  |
| 4 | Pacient opravil storitev v tujini | | at0.0.57 |  |  |  |
| 5 | Pacient odpovedal storitev na lastno željo | | at0.0.58 |  |  |  |
| 6 | Zaradi sprememb medicinskih indikacij storitev za pacienta ni več potrebna | | at0.0.59 |  |  |  |
| 7 | Smrt pacienta | | at0.0.60 |  |  |  |
| 8 | Ostalo | | at0.0.61 |  |  |  |

## eAppointment Cancellation catalog

|  |  |  |
| --- | --- | --- |
| CODE | DISPLAY | DESCRIPTION |
| 1 | Zaradi sprememb medicinskih indikacij storitev za pacienta ni več potrebna |  |
| 2 | Pacient bo opravil storitev drugje (pri drugi ustanovi, zasebniku, …) |  |
| 3 | Pacient je opravil storitev drugje (drugi ustanovi, zasebniku, v tujini,...) |  |
| 4 | Pacient odpovedal storitev na lastno željo |  |
| 5 | Pacient ni odpovedal termina |  |
| 6 | Storitev opravljena kot nujna |  |
| 7 | Smrt pacienta |  |
| 8 | Ostalo |  |
| 9 | Uvrstitev napotnice v napačno čakalno knjigo, urnik, seznam, … |  |
| 10. | Automatic appointment expiration | Set only by COS automatic service for appointment cancellation |
| 11. | Brez navedbe razlogov |  |
| 12. | Nepričakovana hospitalizacija pacienta ali ožjega družinskega člana, ki onemogoča prihod pacienta na termin ali izvedbo zdravstvene storitve |  |
| 13. | Nenadna bolezen, poškodba ali zdravstveno stanje pacienta ali ožjega družinskega člana, ki onemogoča prihod pacienta na termin ali izvedbo zdravstvene storitve |  |
| 14. | Smrt ožjega družinskega člana pacienta |  |
| 15. | Želja pacienta po črtanju s čakalnega seznama |  |
| 16. | Pacientova zavrnitev izvedbe zdravstvene storitve |  |
| 17. | Zdravstveno stanje pacienta ne omogoča izvedbe zdravstvene storitve, zaradi katere je uvrščen na čakalni seznam |  |
| 18. | Neopravičena odsotnost od termina |  |
| 19. | Druga ali katera koli naslednja uvrstitev na čakalni seznam za isto zdravstveno storitev |  |
| 20. | Reaktivacija napotnice znotraj 35 dni od datuma termina in v primeru neupravičenega razloga za preklic naročila |  |

## RequestedByPatient catalog

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | kasnejši termin na željo pacienta |
| 2 | prestavljen termin na željo pacienta |
| 3 | prestavljen termin iz razlogov na strani ustanove |
| 4 | zgodnejši termin na zahtevo zdravnika ZZZS |

## MedicallyConditioned catalog

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | medicinska indikacija za preiskavo ob točno določenem času (pregled/preiskava vezana na določeno obdobje) |
| 2 | medicinska indikacija za izvedbo pred drugo zdravstveno storitvijo (operacijo ali kontrolnim pregledom) |
| 3 | vezano na potrebne predhodne preiskave |
| 4 | uvrstitev na podlagi internih triažnih kriterijev oz. pridruženega stanja pacienta v okviru stopnje nujnosti |

## Attachment types

List of possible attachment formats:

1. .pdf
2. .doc
3. .docx
4. .txt
5. .jpg
6. .gif

## ReservationSource types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Osebno |
| 2 | Pisno |
| 3 | Preko telefona |
| 4 | Preko elektronske pošte |
| 5 | eNaročanje |
| 6 | Spletna stran izvajalca |

## CancellationSource types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Preklical pacient |
| 2 | Preklicala ustanova |
| 3 | Preklical centralni sistem eNaročanje |

## CancellationGrounded types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Utemeljeno |
| 2 | Neutemeljeno |

## ReferralGrounded types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Utemeljeno |
| 2 | Neutemeljeno |

## UrgencyGrounded types

|  |  |
| --- | --- |
| CODE | DISPLAY |
| 1 | Utemeljeno |
| 2 | Neutemeljeno |

# Appendix A – integration component specification

Integration component is used by software vendors as wrapper arround COS web service methods. Purpose of this compoment is to simplify implementation of the eAppointments and eReferrals into the software.

Methods in component in context of eAppointments:

|  |  |
| --- | --- |
| Procedure name | Component responsibility |
| GetFreeSlotForProcedure() | Pass trough the security token, and call web service method |
| GetPrereservationForProcedure() | -II- |
| BookReservation() | -II- |
| CancelReservation() | -II- |

Methods in component in context of eReferral:

|  |  |
| --- | --- |
| Procedure name | Component responsibility |
| CreateReferral() | Pass trough the security token, add digital signature, and call web service method |
| UpdateReferral() | -II- |
| CreateReferralAttachment() | -II- |
| UpdateReferralAttachment() | -II- |
| CancelReferral() | -II- |
| AppointmentCreatedForReferral() | -II- |
| AppointmentRescheduled() | -II- |
| AppointmentRescheduled() | -II- |
| CancelAppointmentForReferral() | -II- |
| PatientAdmittedForReferral() | -II- |
| CancelAdmissionForReferral() | -II- |
| ReferralUsed() | -II- |
| CancelReferralUsage() | -II- |
| GetReferralList() | Pass trough the security token, and call web service method |
| GetReferral() | -II- |
| GetReferralAttachment() | -II- |
| GetReferralAttachmentList() | -II- |
| GetAppointment() | -II- |
| GetAppointmentsForPatient() | -II- |

# Changelog

* 12.02.2014 – updated XSD schemas and messages for the HOS web service
  + added stronger data validation in the XSD schemas
  + updated the GetAppointments response message structure (*MedicalActivityFirstCode* and *MedicalActivitySecondCode*)
* 19.02.2014 – update XSD schemas and messages for the HOS and COS web service
  + Updated the GetFreeSlotForProcedure (HOS) response message structure(*ResponseCode*)
  + Updated the GetFreeSlotForProcedure (COS) response message structure(*ResponseCode*)
  + Updated the GetPrereservationForProcedure response message (added array of *PrereservationResponses* and *ResponseCode* in structure of *PrereservationResponse*)
* 21.02.2014 – updated XSD schemas and messages for COS web service
  + Added GetAppointment (COS) service method
  + Updated the BookReservation (COS) request message structure (*ResponseCode*)
* 26.02.2014 – updated catalogs
  + Added new error types: 3, 3001, 3002, 3003
  + Added Patient gender catalog
* 27.02.2014 (v1.2 -> v1.3)
  + Added field description for al HOS messages
  + Added Error handling chapter in General information section
* 28.02.2014 – updated XSD schemas and messages for COS and HOS web service
  + Updated the CreatePrereservationForProcedure (HOS) request structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Updated the BookReservation (HOS) request structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Updated the GetPrereservationForProcedure (COS) request structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Updated the BookReservation (COS) request structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Updated the AppointmentCreatedForReferral (COS) request structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Updated the GetAppointment (COS) response structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
  + Changed AppointmentUniqueIdentifier restriction on all places.
  + Updated the GetReferralList (COS) request structure (*PatientUniqueIdentifier replaced with PatientInsuranceIdentifie)*
  + Updated the GetReferralList (COS) response structure (added *PatientInsuranceIdentifier* and changed *PatientUniqueIdentifier)*
* 03.03.2014.
* updated XML example for GetFreeSlotForProcedureRequest message (HOS)
* updated XML example for GetReferralListResponse message (COS)
* 04.03.2014. – updated XSD schemas and messages for COS web service
  + Added GetAppointmentsForPatient (COS) service method
  + Updated the GerFreeSlotForProcedure (COS) response message structure
  + Updated the GetPrereservationForProcedure (COS) response message structure
  + Updated the GetReferralList (COS) response message structure
  + Updated the GetReferralAttachmentList (COS) response message structure
* 05.03.2014. – updated XSD schemas and messages for COS web service, added Web applications references
  + Updated the GetFreeSlotForProcedure (COS) request structure (removed *FromDate)*
  + Added new parts: 4. Web applications references, 4. 1 eAppointments, 4.1.1 Ordering process, 4.1.2 View order process
* 06.03.2014. – updated 4.1.1 Ordering process
* 07.03.2014. – updated 4.1.1 Ordering process (removed some properties)
* 10.03.2014. – added new error code (“3004”)
* 11.03.2014
  + Added GetGuidelineForProcedure method with description
  + Added description for method CreateReferral
  + Updated message for CreateReferralRequest (added GuidelineID and ReasonForDuplicateProcedure params)
* 13.03.2014. – changed phone number regular expression in parts 4.1.1 and 4.1.2
* 17.03.2014. – added new error code (“3005”)
* 18.03.2014. – updated XSD schemas and messages for COS web service
  + Updated the GetReferralList (COS) response message structure
* 19.03.2014. – added new error codes
  + added error code “3006”
  + added error code “4”
* 20.03.2014. – changed error codes
  + Removed error code “4”
  + Added error code “3007”
  + Added error code “3008”
  + Added error code “1003”
  + Added error code “2003”
  + Added error code “2004”
* 21.03.2014. – updated XSD schemas and messages for COS web service
  + Added ErrorCode element in every response message in COS web service expect GetFreeSlotForProcedure, GetPrereservationForProcedure, BookReservation and CancelReservation
* 25.03.2014. – updated web applications references, updated COS and HOS web services requests and responses
  + Removed patientAddress from list of parameters in “*Ordering process*”
  + Added StreetName, StreetNumber, DistrictCode, CityName in the list of parameters in “*Ordering process*”
  + Removed patientAddress from list of parameters in “*View order process*”
  + Added patientStreetName, patientStreetNumber and patientCityName in the list of parameters in “*View order process*”
  + Updated BookReservation request (HOS) – removed PatientAdderess, added StreetName, StreetNumber, CityName, CityPostalCode, DistrictCode
  + Updated BookReservationRequest (COS) – removed PatientAdderess, added StreetName, StreetNumber, CityName, CityPostalCode, DistrictCode
  + Updated AppointmentCreatedForReferralRequest (COS) – removed PatientAdderess, added StreetName, StreetNumber, CityName, CityPostalCode, DistrictCode
  + Updated GetAppointmentResponse (COS) – removed PatientAdderess, added StreetName, StreetNumber, CityName, CityPostalCode, DistrictCode
  + Updated GetAppointmentsForReferralResponse (COS) – removed PatientAdderess, added StreetName, StreetNumber, CityName, CityPostalCode, DistrictCode
* 31.03.2014. – updated COS web service requests
  + Updated UpdateReferralRequest (COS) – added ReasonForDuplicateProcedure, GuidelineIdentifier, AdminNurseIdentifier, PaperReferralIdentifier
* 01.04.2014. – update COS and HOS web service requests
  + Updated CancelReservationRequest (COS) – changed *HOSIdentifier* minOccurs to “0”
  + Updated CancelReservation request (HOS) – added nillable attribute in PrereservationId
  + Updated CancelReservation response (HOS) – added nillable attribute in PrereservationID
* 02.04.2014. – added new error code
  + Added error code “2005”
* 04.04.2014. – updated COS web service responses
  + Updated GetAppointmentResponse (COS) – added PatientMobile
  + Updated GetAppointmentsForPatientResponse (COS) – added PatientMobile
* 07.04.2014. – added new error types
  + Added new error types “3008” and “3009”
  + Updated error type “3007”
* 09.04.2014. – updated Web application references and added new error type
  + Updated *Ordering process*  and *View order process* examples
  + Added new error type “3010”
* 10.04.2014. – updated HOS web service requests
  + Updated CreatePrereservationForProcedure request (HOS) – added nillable attribute in BookerIdentifier
  + Updated BookeReservation request (HOS) – added nillable attribute in BookerIdentifier
* 22.04.2014. – added new error types
  + Added new error types “0001”, “0002”, “0003”, “0004”, “0005”, “0006”, “0007” and “0008”
  + Updated method “ReferralUsed” - added attribute MedicalProcedureCode
* 24.02.2014. – updated COS web service request
  + Updated GetGuidelineForProcedureRequest (COS) – changed property names (*GuideLineText* to *GuidelineText* and *GuidelineID* to *GuidelineId*)
* 25.02.2014. – updated COS web service request
  + Updated CreateReferralRequest (COS) – changed property order, added two new properties (AdminNurseIdentifier and PaperReferralIdentifier) and renamed GuidelineID to GuidelineIdentifier
* 16.05.2014.
  + Added Note in 3.6. CreateReferral
  + Added DistrictCode clarification (DistrictCode = šifra občine)
  + Added catalogs Type code and Class code
  + Added catalog Referral Status
* 27.05.2014.
  + Added error type ‘3011’
  + Added error type ‘3012’
* 19.06.2014.
  + Changed date format for PatientBirthDate in ordering process
* 03.07.2014.
  + Updated AppointmentCreatedForReferralRequest, added two new properties (MedicalProcedureCode and ResponseCode)
* 04.07.2014.
  + Added catalog 5.9 Statistical regions
* 14.07.2014.
  + Fixed error in 4.1.1 example
* 29.7.2014.
  + Updated AppointmentCreatedForReferral, added new property (AppointmentDate)
* 12.9.2014.
  + Updated CreatePrereservationForProcedureResponse, updated property (DateTime)
* 01.12.2014
  + Corrected parameter CancelledBy in example of CancelAppointmentForReferral method
* 07.12.2014
  + Updated description for CreateReferral
* 31.12.2014
  + Updated descriptions for methods 3.10-3.25 and urls for 4.1.1 and 4.1.2
* 19.02.2015
  + Updated Ordering process 4.1.1
  + Added Web service method 3.26
* 06.03.2015
  + Removed “Nedokoncana” status from 5.8
* 09.03.2015
  + Added CityPostalCode to Ordering process parameters 4.1.1
  + Updated catalog 5.9
* 10.03.2015
  + Updated GetReferralAttachment added new property (Type) to response
* 5.6.2015.
  + Updated GetReferralList (added properties RequestorDocName and RequestoDocSurname to response)
  + Updated GetAppointmentsForPatient (added property FetchAdmittedAppointments to request)
  + Updated GetFreeSlotForProcedure (added property LastAnswerTime to response)
* 30.06.2015.
  + Updated Ordering process 4.1.1
* 12.08.2015
  + Added DeleteReferralAttachment
* 11.11.2015
  + Changed AppointmentBookerCode length to 9 in GetAppointmentsForProcedure response 2.3.2
  + Added ResponseCode to AppointmentRescheduled request 3.7
* 13.11.2015
  + Updated example request for RegisterConcessioner 3.26
  + Updated response and example response for GetReferralList 3.19 (added properties)
  + Updated request and example request for ReferralUsed 3.11 (added properties)
* 16.11.2015
  + Updated request, response and example request for CreatePrereservationForProcedure 2.4
  + Updated request, response and example request for BookReservation 2.5
  + Updated request and response for CancelReservation 2.6
* 17.11.2015
  + Added catalog 5.10 Validity types
  + Added catalog 5.11 Referral reasons
  + Added catalog 5.12 Doctor types
* 19.11.2015
  + Changed “Lactation” to “Pregnancy” in CreatePrereservationForProcedure
* 23.11.2015
  + Changed "BookerIdentifier" pattern in requests 2.4.1 and 2.5.1
* 24.11.2015
  + Added "ReferralCreationDate" in request 2.5.1
* 25.11.2015
  + Updated "GetAppointmentsForProcedure" response schema 2.3.2 (AppointmentBooker pattern)
* 23.12.2015
  + Updated GetAppointmentsForProcedure response schema and GetFreeSlotForProcedure request schema
* 12.01.2016
  + Added new parts: 4.2 eWaiting Lists, 4.2.1 Waiting lists for medical procedure, 4.2.2 Waiting list for medical facility
* 31.8.2016.
  + Added new arguments in CreateReferralRequest, changed method signature for CreateReferral
* 02.09.2016.
  + Added new arguments in CancelAppointmentForReferral, added new method in COS web services RegisterProceduresForFacility
* 10.10.2016
  + Added 2.7. Versioning
* 09.01.2017.
  + Added AdmissionReferralType catalog
* 10.1.2017.
  + Added RegisterProceduresForConcessioner description and other minor comments and fixes,
  + Added SOAP exception for versioning
  + Added MedicalFacilitySpecificCode and HealthCareProviderSpecificIndex on all applicable methods
  + Added MedicalProcedureInternalIdentifier, PatientSex, PatientBirthDate for AppointmentsFetch
* 16.1.2017.
  + Changed order for “new” parameters in requests and responses on COS service (added them to the end of the messages)
* 30.1.2017.
  + Added new parameters in CancelReferralWithSign response
* 12.9.2017.
  + Changed MedicallyConditioned and RequestedByPatient from boolean to string (code from catalog) where applicable
  + Added Attachment types catalog
* 25.9.2017.
  + Added two new parameters – WantsSpecificDoctor and WasInformedOfOthers where applicable
* 29.9.2017
  + Catalog for Referral cancellation reasons updated with AT codes
* 4.10.2017
  + Added RequestedByPatient and MedicallyCoditioned catalogs
  + Updated eAppointment cancellation catalog
  + Parameter MedicalProcedureInternalIdentifier in GetAppointmetForProcedure request moved to AppointmentInfo node
* 25.10.2017
  + Added new parameters in GetAppointmentsForProcedure request and response
  + Added new chapter 2.3.5 Paging
* 14.12.2017
  + Updated catalog Urgency types
  + Changed GetFreeSlotsForProcedure method to accept new urgency type code
  + Added new parameters in AppointmentRescheduled response
  + Added new parameters in GetFreeSlotsForProcedure response
  + Added new parameters in GetAppointmentsForProcedure response
  + Added new HOS method GetRealisationsForProcedure with corresponding request, response and examples
* 2.1.2018
  + Changes to GetAppointmentsForProcedure response XSD
* 5.1.2018
  + Added missing UrgencyCode enumeration value to HOS BookReservation request message XSD
  + Fixed incorrect XML formatting in inner error XSD
  + Fixed incorrect XML formatting in HOS GetFreeSlotsForProcedure response message XSD
  + Fixed incorrect XML formatting in COS GetFreeSlotForProcedure example request message and in COS DeleteReferralAttachment example request message
* 10.1.2017
  + Added catalogs ReservationSourceTypes, CancellationSourceTypes, CancellationGroundedTypes, ReferralGroundedTypes i UrgencyGroundedTypes
* 16.1.2018
  + Changed VeryUrgent urgency code value from “5” to “4” in the catalog and in all appropriate XSD messages
* 2.3.2018
  + Changed AppointmentBookerCode to also accept codes with length 6 in GetAppointmentsForProcedure response 2.3.2.
* 13.3.2018.
  + Added AwareOfExpiration field in AppointmentCreatedForReferralRequest
* 11.10.2018.
  + Updated response and example response for GetReferralList 3.21 (added urgency type code)
* 30.01.2020
  + Added new method GetReferralPdf in section 3.22
* 9.6.2021
  + Changes to CreateReferral and UpdateReferral request – parameter ChronicConditionCode added