

# Technical specifications of web-services

HR-XML  
Version 4.23.4

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## 1 Document description

The document provides description of the web-services that organize automatic posting of vacancies on Headhunter website with the help of the software produced by third-party suppliers.

The document is designed for software developers.

## 2 History of changes

Version	Date	Changes
3.0.3	05.08.07	The English version of the document was created.
3.1.1	07.08.07	There was added the description about getting the lists of active and archived publications.
3.1.2	07.08.07	There was added a soap message example for InvocationFault.
3.1.3	07.08.07	Soap messages examples was added for the dictionary service.
3.1.4	07.08.07	The restrictions on a vacancy description are presented.
4.0	18.08.07	The ResumeService was removed. The getting details of responses and invitations was changed.
4.3	25.08.07	The getting of all users of current company was added.
4.7	01.10.07	The language field was added to invocation context.
4.18	14.09.09	Some outdated information was corrected.
4.19	14.09.09	responseTime was added to ResponseAndInvitationListItem.
4.21	19.10.09	Gender was added to the resume list item.
4.22	14.12.09	The new vacancy promotion feature was added. Metallic. See PositionOpeningExtension.
4.23	16.12.09	Employment type and work schedule was added as additional fields to vacancy. See PositionOpeningExtension.
4.23.1	30.12.09	Some correction to fix documentation for PositionSupplier\SupplierId\ in PositionOpeningType. Also callerEmail was removed from examples of SOAP messages.
4.23.2	19.02.10	Added some additional description to getActivePublications and archiveVacancy operations.
4.23.3	05.04.10	Changed description of soap messages for publish and change vacancy operations. Added more description to position opening job categories (JobCategory). The description of operations getEducations,

		getProfessionalAreas of DictionaryService was removed.
4.23.4	30.09.10	The Talentlink integration was changed and described.

### 3 Introduction

Website (<http://hh.ru>) uses a number of web services allowing to automatically post, modify and store vacancies from the user's information system. Types of parameters taken and returned by the web service methods are based on Standard HR-XML.

### 4 Legend

*Italic type* is used to set off types, fields and attributes of XML documents.

**Bold type** is used to mark out the names of services, methods and exceptions.

`Courier New` font is used for examples of XML documents.

## 5 List of services

The following web services have been created to organize information exchange:

<b>Service</b>	<b>Comments</b>
<i>AuthenticationService</i>	Service for authentication and works with accounting records of users.
<i>DictionaryService</i>	Service for reception and synchronisation of directories.
<i>VacancyService</i>	Service for work with vacancies.
<i>ResponseAndInvitationService</i>	Service for work with responses and invitations.
<i>HrxmlClassifierService</i>	!!! Has become outdated. It is replaced on DictionaryService. Service for reception of qualifiers of regions and specialisations.
<i>HrxmlVacancyService</i>	!!! Has become outdated. It is replaced on VacancyService. Service for addition/change of vacancy and removal of vacancy from the publication.

## 6 Common data types

### 6.1 InvocationContext

Includes common parameters for invocation of any service. All fields are supplementary.

Fields list:

Field	Comments
<i>login</i>	User's login (e-mail) used for authentication. The field could be left blank if a client certificate is used for authentication. If a login and a password fields are filled, and a client certificate is provided then the login and the password are used for authentication.
<i>password</i>	Password used for authentication. See login field description.
<i>runAs</i>	The login (e-mail) the user in which frameworks will occur a call of operation of service. The given field can be used in the multiuser systems, for example corporate server Headhunter:: Office. In this case the corporate server uses one client certificate for authorisation on site Headhunter, and the real user is transferred through a field runAs. The user runAs should be the subordinate to the user which have been authenticated. For example a field login - login GKL (Main contact user) of the company, and a field runAs the usual user from the same company.
<i>applicationName</i>	A short name of an application that posts a vacancy to HeadHunter through the HR-XML gateway. This field is used for collecting statistics and as a debug information for application developers.
<i>applicationVersion</i>	A version number of an application that posts a vacancy to HeadHunter through the HR-XML gateway.
<i>lang</i>	A language which will be used for getting all language dependent data. If the parameter is omitted then will be used the default language from user settings.  The enumeration Lang ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> Lang). The values: <ul style="list-style-type: none"> <li>● "ru" - Russian.</li> <li>● "en" - English.</li> </ul>

## 6.2 AbstractFault

A base type from which all error messages are inherited.

Fields list:

Field	Comments
<i>businessMessage</i>	Business error message to show to the end user. Text of the message wrote in current user's default language.
<i>systemMessage</i>	System error message - used for error identification (programmatically or during the debug session).
<i>stackTrace</i>	Stack trace of an error used for error identification during the debug session.

Common recommendations on error messages processing:

If a *businessMessage* field exists then the error is business-oriented and the error message text can be shown to the end user. A string included in the *systemMessage* field can be used for programmatic errors processing.

If the *businessMessage* field is absent, then it's a programmatic error and *systemMessage* and *stackTrace* fields are filled. These fields should be logged and sent to the HeadHunter Technical Support.

## 6.3 InvocationFault

An error message which can be generated by any of the services operations. It extends the *AbstractFault* type and inherits all of its fields.

### 6.3.1 A soap message example for InvocationFault

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Server</faultcode>
      <faultstring>employer.vacancy.post.error.toOftenProlongations</faultstring>
      <detail>
        <InvocationFault
          xmlns:ns4="http://ns.hr-xml.org/2007-04-15"
          xmlns:ns3="http://hrxml.headhunter.ru/2007-08-01"
          xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18">
          <ns2:businessMessage
            xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18">
            Vacancy "hrxml-test-vacancy-name2008-08-07 16:18:33 --- changed"
            was prolonged less than 5 days ago
          </ns2:businessMessage>
          <ns2:systemMessage
            xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18">
            employer.vacancy.post.error.toOftenProlongations
          </ns2:systemMessage>
          <ns2:headhunterStackTrace
            xsi:nil="true"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18"/>
          </ns2:headhunterStackTrace>
        </InvocationFault>
      </detail>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

## 7 AuthenticationService

The list of operations:

<b>Operation</b>	<b>Comments</b>
<i>getInfoAboutUserById</i>	To receive the information on the user on the identifier. The information only about users belonging to the same company is accessible.
<i>getInfoAboutUserByEmail</i>	To receive the information on the user on e-mail. The information only about users belonging to the same company is accessible.
<i>findAllUsersOfCurrentCompany</i>	To receive all users of current company.

### 7.1 The description of fields User

Describes record - the information on user Headhunter.

{<http://hrxml.headhunter.ru/2008-03-18>} User:

<b>Field</b>	<b>Comments</b>
<i>userId</i>	The identifier of the user.
<i>email</i>	E-mail The user. It is used as a login.
<i>firstName</i>	Name.
<i>lastName</i>	Surname.
<i>middleName</i>	Patronymic.
<i>phone</i>	Phone.
<i>icq</i>	Icq.
<i>contactServiceManager</i>	The manager from company Headhunter, supervising the company of the user. A field type - User
<i>siteAreaId</i>	The identifier of region with HeadHunter to which the company of the user belongs.
<i>siteAreaName</i>	The region name to which the company of the user belongs.

## **7.2 *getInfoAboutUserById***

### **7.2.1 Functionality**

To receive the information on the user on the identifier. The information only about users belonging to the same company is accessible.

### **7.2.2 Entrance parametres**

invocationContext - context of call.

userId - the identifier of the user with Headhunter.

### **7.2.3 Returned value**

The information on user Headhunter.

### **7.2.4 Example of entering SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<getInfoAboutUserById  
  xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
  <invocationContext>  
    <login> anyUser </login>  
    <password> anyPassword </password>  
  </invocationContext>  
  <userId> 1 </userId>  
</getInfoAboutUserById>  
</soap:Body>  
</soap:Envelope>
```

### **7.2.5 Example of returned SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<getInfoAboutUserByIdResponse  
  xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
  <User>  
    <userId> 1 </userId>  
    <email> anyEmail@anyDomain.ru </email>  
    <firstName> Ivan </firstName>  
    <lastName> Ivanov </lastName>  
    <middleName> _20=>28G </middleName>  
    <phone> +7(495) 777-77-77 </phone>  
    <contactServiceManager>  
      <userId> 2 </userId>  
      <email> test@manager.ru </email>  
      <firstName> TestManager </firstName>  
      <lastName> TestManagerov </lastName>  
      <middleName> TestManagerovich </middleName>  
      <phone> +7(4732) 550 125 </phone>  
      <siteAreaId> 230 </siteAreaId>  
      <siteAreaName> the Jugo-central district </siteAreaName>  
    </contactServiceManager>  
    <siteAreaId> 113 </siteAreaId>  
    <siteAreaName> Russia </siteAreaName>  
  </User>  
</getInfoAboutUserByIdResponse>  
</soap:Body>  
</soap:Envelope>
```

## 7.3 *getInfoAboutUserByEmail*

### 7.3.1 Functionality

To receive the information on the user on e-mail. The information only about users belonging to the same company is accessible.

### 7.3.2 Entrance parametres

invocationContext - context of call.

email - e-mail of the user of Headhunter.

### 7.3.3 Returned value

The information on Headhunter user.

### 7.3.4 Example of entering SOAP messages

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">
<soap:Body>
  <getInfoAboutUserByEmail
    xmlns = "http://hrxml.headhunter.ru/2008-03-18">
    <invocationContext>
      <login> anyUser </login>
      <password> anyPassword </password>
    </invocationContext>
    <email> anyEmail@anyDomain.ru </email>
  </getInfoAboutUserByEmail>
</soap:Body>
</soap:Envelope>
```

### 7.3.5 Example of returned SOAP messages

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">
<soap:Body>
  <getInfoAboutUserByEmailResponse
    xmlns = "http://hrxml.headhunter.ru/2008-03-18">
    <User>
      <userId> 1 </userId>
      <email> anyEmail@anyDomain.ru </email>
      <firstName> Ivan </firstName>
      <lastName> Ivanov </lastName>
      <middleName> _20=>28G </middleName>
      <phone> +7(495) 777-77-77 </phone>
      <contactServiceManager>
        <userId> 2 </userId>
        <email> test@manager.ru </email>
        <firstName> TestManager </firstName>
        <lastName> TestManagerov </lastName>
        <middleName> TestManagerovich </middleName>
        <phone> +7(4732) 550 125 </phone>
        <siteAreaId> 230 </siteAreaId>
        <siteAreaName> the Jugo-central district </siteAreaName>
      </contactServiceManager>
      <siteAreaId> 113 </siteAreaId>
      <siteAreaName> Russia </siteAreaName>
    </User>
  </getInfoAboutUserByEmailResponse>
</soap:Body>
</soap:Envelope>
```

## 7.4 findAllUsersOfCurrentCompany

### 7.4.1 Functionality

To receive the information about all user of current company.

### 7.4.2 Entrance parametres

invocationContext - context of call.

### 7.4.3 Returned value

The list of all user of current company.

### 7.4.4 Example of entering SOAP messages

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <hh:findAllUsersOfCurrentCompany xmlns:hh="http://hrxml.headhunter.ru/2008-03-18">
      <hh:invocationContext>
        <hh:login>uBCBJGHCEIHAF@example.com</hh:login>
        <hh:password>password</hh:password>
      </hh:invocationContext>
    </hh:findAllUsersOfCurrentCompany>
  </soap:Body>
</soap:Envelope>
```

### 7.4.5 Example of returned SOAP messages

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <findAllUsersOfCurrentCompanyResponse xmlns="http://hrxml.headhunter.ru/2008-03-18">
      <users>
        <userId>1819763</userId>
        <email>uBCBJGHCEIHAF@example.com</email>
        <firstName>fnBCBJGHCEIHAF</firstName>
        <lastName>lnBCBJGHCEIHAF</lastName>
        <middleName>mnBCBJGHCEIHAF</middleName>
        <phone>+7 (495) 974-64-27</phone>
        <icq xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <contactServiceManager>
          <userId>1817923</userId>
          <email>email@hotmail.com</email>
          <firstName>First Name</firstName>
          <lastName>Last Name</lastName>
          <middleName>Отчество</middleName>
          <phone>+7 (4732) 550 125</phone>
          <icq xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
          <contactServiceManager xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
          <siteAreald>230</siteAreald>
          <siteAreaName>Юго-Центральный округ</siteAreaName>
        </contactServiceManager>
        <siteAreald>113</siteAreald>
        <siteAreaName>Россия</siteAreaName>
      </users>
      <users>
        <userId>1819764</userId>
        <email>uBCBJGHCEIHIHE@example.com</email>
        <firstName>fnBCBJGHCEIHIHE</firstName>
        <lastName>lnBCBJGHCEIHIHE</lastName>
        <middleName>mnBCBJGHCEIHIHE</middleName>
        <phone>+7 (495) 974-64-27</phone>
        <icq xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <contactServiceManager>
          <userId>1817923</userId>
          <email>email@hotmail.com</email>
          <firstName>First Name</firstName>
        </contactServiceManager>
      </users>
    </findAllUsersOfCurrentCompanyResponse>
  </soap:Body>
</soap:Envelope>
```

---

```
<lastName>Last Name</lastName>
<middleName>Отчество</middleName>
<phone>+7 (4732) 550 125</phone>
<icq xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
<contactServiceManager xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
<siteAreaId>230</siteAreaId>
<siteAreaName>Юго-Центральный округ</siteAreaName>
</contactServiceManager>
<siteAreaId>113</siteAreaId>
<siteAreaName>Россия</siteAreaName>
</users>
</findAllUsersOfCurrentCompanyResponse>
</soap:Body>
</soap:Envelope>
```

## 8 DictionaryService

The list of operations:

Operation	Comments
<i>getArea</i>	To receive region on its identifier
<i>getAreas</i>	To receive the list of all regions
<i>getAllAreas</i>	!!! Has become outdated. Receive the list of all regions
<i>getLanguage</i>	To receive language on its identifier
<i>getLanguages</i>	To receive the list of all languages
<i>getAllLanguages</i>	!!! Has become outdated. Receive the list of all languages
<i>getCurrency</i>	To receive currency on its identifier
<i>getCurrencyByCode</i>	To receive currency on its symbolical code
<i>getCurrencies</i>	To receive the list of all currencies
<i>getAllCurrencies</i>	!!! Has become outdated. Receive the list of all currencies
<i>getSpecialization</i>	To receive specialisation in its identifier
<i>getSpecializations</i>	To receive the list of all specialisations
<i>getAllSpecializations</i>	!!! Has become outdated. -Receive the list of all specialisations

### 8.1 Data types

#### 8.1.1 Area

Field	Comments
<i>areald</i>	The region identifier
<i>name</i>	The region name
<i>parentAreald</i>	The identifier of parental region
<i>priority</i>	"Weight" of region for sorting of regions with identical parental region in a tree

#### 8.1.2 AreaWithParentAreas

Field	Comments
<i>area</i>	Region (type - Area)
<i>parentAreas</i>	The list of parental regions. The first region in the list - the direct parent of region area, the second - the parent of the parent and so up to a root

### 8.1.3 Education

Field	Comments
<i>educationId</i>	The identifier
<i>name</i>	The name - the higher, average etc., etc.

### 8.1.4 Language

Field	Comments
<i>languageId</i>	The language identifier
<i>name</i>	The language name

### 8.1.5 Currency

Field	Comments
<i>currencyId</i>	The currency identifier
<i>name</i>	The name
<i>code</i>	Symbolical code of currency (unique key)
<i>rate</i>	Course to USD 100

### 8.1.6 ProfessionalArea

Field	Comments
<i>professionalAreaId</i>	The identifier
<i>name</i>	The name

### 8.1.7 Specialization

Field	Comments
<i>specializationId</i>	The specialisation identifier
<i>name</i>	The specialisation name
<i>professionalAreaId</i>	The identifier of professional area for the given specialisation

### 8.1.8 SpecializationWithProfessionalArea

Field	Comments
<i>specialisation</i>	Specialisation (type Specialization)
<i>professionalArea</i>	Professional area (type ProfessionalArea) for the given specialisation

## 8.2 A *getAreas* soap messages example for getting a dictionary items list

### 8.2.1 An input soap message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getAreas xmlns="http://hrxml.headhunter.ru/2008-03-18">
<invocationContext>
<login>anyUser</login>
<password>anyPassword</password>
</invocationContext>
</getAreas>
</soap:Body>
</soap:Envelope>
```

### 8.2.2 A result soap message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getAreasResponse xmlns="http://hrxml.headhunter.ru/2008-03-18">
<Areas>
<areald>1</areald>
<name>Moscow</name>
<parentAreald>232</parentAreald>
<priority>0</priority>
</Areas>
<Areas>
<areald>2</areald>
<name>Sankt-Peterburg</name>
<parentAreald>231</parentAreald>
<priority>0</priority>
</Areas>
<Areas>
<areald>3</areald>
<name>Ekaterinburg and Region</name>
<parentAreald>223</parentAreald>
<priority>0</priority>
</Areas>
<Areas>
<areald>4</areald>
<name>Novosibirsk and Region</name>
<parentAreald>222</parentAreald>
<priority>0</priority>
</Areas>
<Areas>
<areald>5</areald>
<name>Ukraine</name>
<parentAreald xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
<priority>1</priority>
</Areas>
...
</getAreasResponse>
</soap:Body>
</soap:Envelope>
```

## **8.3 A *getAreas* soap messages example for getting a dictionary items list**

### **8.3.1 An input soap message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getArea xmlns="http://hrxml.headhunter.ru/2008-03-18">
  <invocationContext>
    <login>anyUser</login>
    <password>anyPassword</password>
  </invocationContext>
  <areald>1</areald>
</getArea>
</soap:Body>
</soap:Envelope>
```

### **8.3.2 A result soap message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getAreaResponse xmlns="http://hrxml.headhunter.ru/2008-03-18">
  <AreaWithParentAreas>
    <area>
      <areald>1</areald>
      <name>Moscow</name>
      <parentAreald>232</parentAreald>
      <priority>0</priority>
    </area>
    <parentAreas>
      <areald>232</areald>
      <name>Central region</name>
      <parentAreald>113</parentAreald>
      <priority>0</priority>
    </parentAreas>
    <parentAreas>
      <areald>113</areald>
      <name>Russia</name>
      <parentAreald xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
      <priority>0</priority>
    </parentAreas>
  </AreaWithParentAreas>
</getAreaResponse>
</soap:Body>
</soap:Envelope>
```

## 9 VacancyService

Operations list:

Service	Comments
<i>publishVacancy</i>	Publish a vacancy
<i>changeVacancy</i>	Change a vacancy
<i>prolongateVacancy</i>	Prolongate a published vacancy
<i>archiveVacancy</i>	Archive a vacancy
<i>getVacancy</i>	Receive a vacancy description

### 9.1 Description of fields of *PositionOpeningType*

*PositionOpening* from *PositionOpening.xsd* schema which is a part of [SEP](#) (Staffing Exchange Protocol) set is used as a type of input parameters of the service methods.

{<http://ns.hr-xml.org/2007-04-15>}*PositionOpeningType*

HR-XML field	Comments
<i>PositionRecordInfo\id\idValue</i>	Unique ID of the vacancy. Not needed when posting a new vacancy. Integer value represented by a string.
<i>PositionRecordInfo\id\idOwner</i>	Must have a value of "HeadHunter" (without quotes)
<i>PositionRecordInfo\Status</i>	Indicates whether the vacancy is active (published) or inactive (archived). Can be one of two values "Active" or "Inactive" respectively. To change this value (i.e. to archive a vacancy) appropriate methods should be used (see below).
<i>PositionRecordInfo\Status\validFrom</i>	Vacancy publish date. A formatted string: yyyy-MM-dd (e.g. 2008-02-27). Used as an read-only field when getting information about a vacancy. Not used when adding or changing a vacancy.
<i>PositionRecordInfo\Status\validTo</i>	Vacancy unpublish date. A formatted string: yyyy-MM-dd (e.g. 2008-02-27). Used as an read-only field when getting information about a vacancy. Not used when adding or changing a vacancy.
<i>PositionSupplier\SupplierId\idValue</i>	Contact person who is the owner of the vacancy. Unique ID of a HeadHunter user. Each company at HeadHunter website can have multiple so called vacancy manager accounts. Used as an read-only field when getting information about a vacancy. Not used when adding or changing a vacancy..
<i>PositionSupplier\SupplierId\idOwner</i>	Always equals to "HeadHunter" (without quotes). Used as an read-only field when getting information about a vacancy. Not used when adding or changing a vacancy.
<i>PositionProfile\PositionDetail\PositionTitle</i>	Position title.
<i>PositionProfile\PositionDetail\PhysicalLocat</i>	An ID of a region of a vacancy. To get the full

<i>ion</i> <i> Area Value</i>	list of Headhunter areas look at the description of getAreas operation of DictionaryService.
<i>PositionProfile PositionDetail PhysicalLocation</i> <i> Area type</i>	Must have a "x:HeadHunter" value (without quotes).
<i>PositionProfile PositionDetail RemunerationPackage BasePay BasePayAmountMin</i>	Minimal pay amount. An integer value represented by a string.
<i>PositionProfile PositionDetail RemunerationPackage BasePay BasePayAmountMax</i>	Maximal pay amount. An integer value represented by a string.
<i>PositionProfile PositionDetail RemunerationPackage BasePay currencyCode</i>	A code of the currency for the minimal and maximal pay amounts. Non-required field, defaults to "USD". Can contain following values (without quotes): "RUR" - Russian ruble, "UAH" - Ukrainian hryvnia, "USD" - US dollar, "EUR" - Euro, "KZT" - Khazah tenge.
<i>PositionProfile PositionDetail RemunerationPackage BasePay baseInterval</i>	Non-required field. Not used, value defaults to "Monthly".
<i>PositionProfile PositionDetail JobCategory</i>	A list of job categories according to HeadHunter classification. It should have 1 to 6 categories. To get the full list of Headhunter job categories you should call getSpecializations operation of DictionaryService (look at the description of DictionaryService.
<i>PositionProfile PositionDetail JobCategory CategoryCode</i>	ID of specialization according to HeadHunter classification.
<i>PositionProfile PositionDetail JobCategory TaxonomyName</i>	Should have value "x:HeadHunter"
<i>PositionProfile Organization Description</i>	Short company description. A required field for the so called "anonymous" vacancies. For all other types of vacancies this field is ignored.
<i>PositionProfile FormattedPositionDescription Value</i>	The vacancy description. It must be not less than 200 symbols at the length. The description can be in a html form, but some html tags are prohibited - for example scripts and links. Such content are cut. In additional the description will split on rows if it haven't split yet.
<i>PositionProfile HowToApply ApplicationMethod InternetWebAddress</i>	An apply online URL - required for vacancies of type "advertising".
<i>PositionProfile HowToApply ApplicationMethod InternetEmailAddress</i>	An email that is used for integration with Talentlink. The responses to the vacancy is also sent to this email in Talentlink format.
<i>UserArea</i> <i>HhUserArea HhUserArea</i> <i>HhUserArea PositionOpeningExtension</i>	<i>PositionOpeningType</i> extension. Includes attributes which are not described by the HR-XML standard. May contain one of two HR-XML extensions for the HeadHunter vacancies: HhUserArea ( <a href="http://hrxml.headhunter.ru/2007-08-01">http://hrxml.headhunter.ru/2007-08-01</a> }HhUserArea) - deprecated extension, used for backward compatibility only. PositionOpeningExtension

	<p>(<a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a>}{PositionOpeningExtension) - currently used vacancy extension. New attributes and type were added for more convenient usage.</p> <p>When getting vacancies from HeadHunter both extensions are filled.</p>
--	--

## 9.2 Description of fields of PositionOpeningExtension

{<http://hrxml.headhunter.ru/2008-03-18>}PositionOpeningExtension

HR-XML field	Comments
<i>requiredWorkExperience</i>	Work experience. Enumerable type WorkExperience ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }{ <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }WorkExperience). Values: "noWorkExperience" - no experience "workExperienceFrom1YearTo3Year" - 1-3 years "workExperienceFrom3YearTo6Year" - 3-6 years "workExperienceMoreThan6Year" - more than 6 years. Supplementary field. Equals to "noWorkExperience" by default.
<i>subscribersCompensation\ BasePayAmountMin</i>	Minimal pay amount of candidates, which will be included into the mailing list. Field is required if a "Send vacancy to HeadHunter subscribers" flag is set (see below). Integer field represented by a string.
<i>subscribersCompensation\ BasePayAmountMax</i>	Maximal pay amount of candidates, which will be included into the mailing list. Field is required if a "Send vacancy to subscribers" flag is set (see below). Integer field represented by a string.
<i>subscribersCompensation\ currencyCode</i>	A code of the currency for the minimal and maximal pay amounts of candidates, which will be included into the mailing list. Non-required field, defaults to "USD". Can contain following values (without quotes): "RUR" - Russian ruble, "UAH" - Ukrainian hryvnia, "USD" - US dollar, "EUR" - Euro, "KZT" - Khazah tenge. Currency code must be the same as <i>PositionProfile\ PositionDetail\ Remuneration Package\ BasePay\ currencyCode</i> (see section 7.2).
<i>responseLetterRequired</i>	Flag «A covering letter is required» which affects the candidate's application process. An integer value. Can be 0 or 1. Non-required field. Defaults to "false".
<i>notify</i>	Flag «Notify of incoming applications» which controls whether a notification should be sent to the contact email when a new candidate's application arrives. Can be 0 or 1. Non-required field. Defaults to "false".
<i>sendToSubscribers</i>	Flag "Send vacancy to HeadHunter subscribers". <b>This is a paid service</b> for sending vacancy to candidates. After the vacancy is sent this flag resets to 0. If a method for changing a vacancy will be called for a vacancy, which has already been sent to subscribers (flag was reset to 0), and the flag

	will be set to 1, then this vacancy will be sent again (and the fee will be charged again).
<i>selectInSearchResults</i>	Flag "Mark up in the search results". <b>This is a paid service.</b>
<i>type</i>	Vacancy type. Enumerabe type VacancyType ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }{VacancyType). Values: 1. "opened" - Regular vacancy. 2. "closed" - Hidden vacancy. 3. "anonymous" - Anonymous vacancy. 4. "advertising" - Vacancy with direct response. Non-required field. Defaults to "opened".
<i>metallic</i>	The vacancy promotion feature. Enumerabe type VacancyMetallic ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }{VacancyMetallic). Values: 1. "free" - No promotion at all, low priority. 2. "standard" - Default behavior. 3. "premium" - .Premium promotion. Non-required field. There are complicated rules which are used to set default value because backward compatibility. It is much better to set field with exact value.
<i>employment</i>	The employment type. Enumerabe type Employment ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }{Employment). Values: 1. "full" - Full time work. 2. "part" - Part time work. 3. "project" - Job for the project only. 4. "volunteer" - Volunteer work. 5. "probation" - Students' work or work for a probation period. Non-required field, by default "full".
<i>workSchedule</i>	Work schedule type. Enumerabe type WorkSchedule ( <a href="http://hrxml.headhunter.ru/2008-03-18">http://hrxml.headhunter.ru/2008-03-18</a> }{WorkSchedule). Values: 1. "fullDay" - Full day work. 2. "shift" - Shift schedule. 3. "flexible" - Flexible schedule. 4. "remote" - Remote work. Non-required field, by default "fullDay".

### ***9.3 VacancySearchResult fields description***

<b>Field</b>	<b>Comment</b>
vacancies	The vacancies list. All fields of contained PositionOpeningType elements are filled
found	The total count of the vacancies which are found.

## 9.4 *publishVacancy*

### 9.4.1 Functionality

Publish a vacancy.

### 9.4.2 Input parameters

invocationContext - invocation context.

positionOpening - a vacancy with all fields filled for publication.

### 9.4.3 Return value

A vacancy with the identifier and the state filled.

### 9.4.4 Example of input SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <publishVacancy
      xmlns="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:ns2="http://ns.hr-xml.org/2007-04-15"
      xmlns:ns3="http://hrxml.headhunter.ru/2007-08-01">
      <invocationContext>
        <login>ubchacbgbcceegdja@example.com</login>
        <password>password</password>
        <runAs xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <applicationName>hr-xml integration tests - cxf</applicationName>
        <applicationVersion xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <lang>en</lang>
      </invocationContext>
      <positionOpening>
        <ns2:PositionProfile>
          <ns2:PositionDetail>
            <ns2:PhysicalLocation>
              <ns2:Area type="x:HeadHunter">
                <ns2:Value>1</ns2:Value>
              </ns2:Area>
            </ns2:PhysicalLocation>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>149</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>269</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>397</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>333</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>334</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:PositionTitle>Account Manager</ns2:PositionTitle>
            <ns2:RemunerationPackage>
              <ns2:BasePay currencyCode="RUR" baseInterval="Monthly">
                <ns2:BasePayAmountMin>100000</ns2:BasePayAmountMin>
                <ns2:BasePayAmountMax>150000</ns2:BasePayAmountMax>
              </ns2:BasePay>
            </ns2:RemunerationPackage>
          </ns2:PositionDetail>
        </ns2:PositionProfile>
      </positionOpening>
    </publishVacancy>
  </soap:Body>
</soap:Envelope>
```

```
<ns2:UserArea>
  <PositionOpeningExtension>
    <requiredWorkExperience>workExperienceMoreThan6Year</requiredWorkExperience>
    <subscribersCompensation currencyCode="RUR" baseInterval="Monthly"/>
    <responseLetterRequired>true</responseLetterRequired>
    <notify>false</notify>
    <sendToSubscribers>false</sendToSubscribers>
    <selectInSearchResults>false</selectInSearchResults>
    <type>opened</type>
    <metallic>free</metallic>
    <workSchedule>fullDay</workSchedule>
    <employment>full</employment>
  </PositionOpeningExtension>
</ns2:UserArea>
</ns2:PositionDetail>
<ns2:FormattedPositionDescription>
  <ns2:Value><![CDATA[
    <div><b>Digital Media Solutions Sales</b>

    <ul>
      <li>Suit Media Agency Background</li>

      <li>Digital Media Focus</li>

      <li>Career Opportunity</li>
    </ul>

    <div>My Client is seeking a sales and marketing professional who
    has specialised in the field of digital marketing products. Your
    background could be from an Advertising agency or from a media
    company where you have worked with digital media products.<br>
    <br>
    Working in a large business with a wide range of offerings you will
    be responsible for the promotion of campaigns using Digital
    products, this will be through your colleagues as well as direct to
    customers. To do this effectively you should already have
    experience selling or promoting campaigns with a digital
    element.<br>
    <br>
    To be successfull you will need to have a background including all
    or some of the following:<br>
    - sales of media campaign products<br>
    - experience running digital campaigns within a business<br>
    - customer facing roles where you have owned the relationships with
    the customers<br>
    - experience with multiple digital media products to a level where
    you can promote them effectively<br>
    - excellent communication and customer relationship management
    skills<br>
    <br>
    As this role is within a highly competitive environment, it is
    important that you have a high level of motivation to succeed and
    drive the business.<br>
    <br>
    To find out more about this opportunity please contact ...<br>
    <br>
    </div>

    <div>Recruitment&Research<br>
    9 Godovikova Street, Moscow<br>
    <br>
    Email: hh@hh.ru.<br>
    </div>
  ]]></ns2:Value>
</ns2:FormattedPositionDescription>
</ns2:PositionProfile>
</positionOpening>
</publishVacancy>
</soap:Body>
</soap:Envelope>
```

---

### 9.4.5 Example of response SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <hh:publishVacancyResponse
      xmlns="http://hrxml.headhunter.ru/2007-08-01"
      xmlns:hh="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:hr="http://ns.hr-xml.org/2007-04-15">
      <hh:PositionOpeningType>
        <hr:PositionRecordInfo>
          <hr:Id idOwner="HeadHunter">
            <hr:IdValue>1095117</hr:IdValue>
          </hr:Id>
          <hr:Status validTo="2008-04-30" validFrom="2008-03-31">Active</hr:Status>
        </hr:PositionRecordInfo>
      </hh:PositionOpeningType>
    </hh:publishVacancyResponse>
  </soap:Body>
</soap:Envelope>
```

## 9.5 changeVacancy

### 9.5.1 Functionality

Change a vacancy.

### 9.5.2 Input parameters

invocationContext - invocation context.

positionOpening - a vacancy with fields filled for change.

### 9.5.3 Return value

A vacancy with the identifier and the state fields filled.

### 9.5.4 Example of an input SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <changeVacancy
      xmlns="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:ns2="http://ns.hr-xml.org/2007-04-15">
      <invocationContext>
        <login>ubchacbgbcceegdja@example.com</login>
        <password>password</password>
        <runAs xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <applicationName>hr-xml integration tests - cxf</applicationName>
        <applicationVersion xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
        <lang>en</lang>
      </invocationContext>
      <positionOpening>
        <ns2:PositionRecordInfo>
          <ns2:Id idOwner="HeadHunter">
            <ns2:IdValue>2049037</ns2:IdValue>
          </ns2:Id>
        </ns2:PositionRecordInfo>
        <ns2:PositionProfile>
          <ns2:PositionDetail>
            <ns2:PhysicalLocation>
              <ns2:Area type="x:HeadHunter">
                <ns2:Value>1</ns2:Value>
              </ns2:Area>
            </ns2:PhysicalLocation>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>149</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>269</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>397</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>333</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:JobCategory>
              <ns2:TaxonomyName>HeadHunter</ns2:TaxonomyName>
              <ns2:CategoryCode>334</ns2:CategoryCode>
            </ns2:JobCategory>
            <ns2:PositionTitle>Account Manager</ns2:PositionTitle>
            <ns2:RemunerationPackage>
              <ns2:BasePay currencyCode="RUR" baseInterval="Monthly">
```

```
<ns2:BasePayAmountMin>100000</ns2:BasePayAmountMin>
<ns2:BasePayAmountMax>150000</ns2:BasePayAmountMax>
</ns2:BasePay>
</ns2:RemunerationPackage>
<ns2:UserArea>
  <PositionOpeningExtension>
    <requiredWorkExperience>workExperienceMoreThan6Year</requiredWorkExperience>
    <subscribersCompensation currencyCode="RUR" baseInterval="Monthly"/>
    <responseLetterRequired>true</responseLetterRequired>
    <notify>false</notify>
    <sendToSubscribers>false</sendToSubscribers>
    <selectInSearchResults>false</selectInSearchResults>
    <type>opened</type>
    <metallic>free</metallic>
    <workSchedule>fullDay</workSchedule>
    <employment>full</employment>
  </PositionOpeningExtension>
</ns2:UserArea>
</ns2:PositionDetail>
<ns2:FormattedPositionDescription>
  <ns2:Value><![CDATA[
    <div><b>Digital Media Solutions Sales</b>

    <ul>
      <li>Suit Media Agency Background</li>

      <li>Digital Media Focus</li>

      <li>Career Opportunity</li>
    </ul>

    <div>My Client is seeking a sales and marketing professional who
    has specialised in the field of digital marketing products. Your
    background could be from an Advertising agency or from a media
    company where you have worked with digital media products.<br>
    <br>
    Working in a large business with a wide range of offerings you will
    be responsible for the promotion of campaigns using Digital
    products, this will be through your colleagues as well as direct to
    customers. To do this effectively you should already have
    experience selling or promoting campaigns with a digital
    element.<br>
    <br>
    To be successfull you will need to have a background including all
    or some of the following:<br>
    - sales of media campaign products<br>
    - experience running digital campaigns within a business<br>
    - customer facing roles where you have owned the relationships with
    the customers<br>
    - experience with multiple digital media products to a level where
    you can promote them effectively<br>
    - excellent communication and customer relationship management
    skills<br>
    <br>
    As this role is within a highly competitive environment, it is
    important that you have a high level of motivation to succeed and
    drive the business.<br>
    <br>
    To find out more about this opportunity please contact ...<br>
    <br>
    </div>

    <div>Recruitment&Research<br>
    9 Godovikova Street, Moscow<br>
    <br>
    Email: hh@hh.ru.<br>
    ***Some additional info***
  </div>
  </div>
]]></ns2:Value>
</ns2:FormattedPositionDescription>
</ns2:PositionProfile>
</positionOpening>
</changeVacancy>
</soap:Body>
</soap:Envelope>
```

### 9.5.5 Example of a response SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <changeVacancyResponse
      xmlns="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:ns2="http://ns.hr-xml.org/2007-04-15"
      xmlns:ns3="http://hrxml.headhunter.ru/2007-08-01">
      <PositionOpeningType>
        <ns2:PositionRecordInfo>
          <ns2:Id idOwner="HeadHunter">
            <ns2:IdValue>2049037</ns2:IdValue>
          </ns2:Id>
          <ns2:Status validTo="2010-05-02" validFrom="2010-04-02">Active</ns2:Status>
        </ns2:PositionRecordInfo>
      </PositionOpeningType>
    </changeVacancyResponse>
  </soap:Body>
</soap:Envelope>
```

## ***9.6 prolongateVacancy***

### **9.6.1 Functionality**

Prolongates a vacancy publication. Identical to the changeVacancy method, except that it is the prolongation itself.

### **9.6.2 Input parameters**

invocationContext - invocation context.

positionOpening - a vacancy with fields filled for prolongation.

### **9.6.3 Return value**

A vacancy with the identifier and the state fields filled.

### **9.6.4 Example of an input SOAP message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <hh:prolongateVacancy
      xmlns="http://ns.hr-xml.org/2007-04-15"
      xmlns:hh="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:hhold="http://hrxml.headhunter.ru/2007-08-01">
      <hh:invocationContext>
        <hh:login>anyUser</hh:login>
        <hh:password>anyPassword</hh:password>
      </hh:invocationContext>
      <hh:positionOpening>
        <PositionRecordInfo>
          <Id idOwner="HeadHunter">
            <IdValue>1095117</IdValue>
          </Id>
          <Status validTo="2008-04-30" validFrom="2008-03-31">Active</Status>
        </PositionRecordInfo>
        <PositionProfile>
          <Organization>
            <Description>organizationDescription</Description>
          </Organization>
          <PositionDetail>
            <PhysicalLocation>
              <Area type="x:HeadHunter">
                <Value>1</Value>
              </Area>
            </PhysicalLocation>
            <JobCategory>
              <TaxonomyName>HeadHunter</TaxonomyName>
              <CategoryCode>3</CategoryCode>
            </JobCategory>
            <JobCategory>
              <TaxonomyName>HeadHunter</TaxonomyName>
              <CategoryCode>9</CategoryCode>
            </JobCategory>
            <JobCategory>
              <TaxonomyName>HeadHunter</TaxonomyName>
              <CategoryCode>10</CategoryCode>
            </JobCategory>
          <PositionTitle>The vacancy title</PositionTitle>
          <RemunerationPackage>
            <BasePay currencyCode="RUR" baseInterval="Monthly">
              <BasePayAmountMin>10000</BasePayAmountMin>
              <BasePayAmountMax>20000</BasePayAmountMax>
            </BasePay>
          </RemunerationPackage>
          <UserArea>
```



## 9.7 archiveVacancy

### 9.7.1 Functionality

Move a vacancy to the archive.

Note: Once a vacancy was moved to archive it can't be restored from archive any more. As the result of that, this vacancy can't be changed or prolonged and they life cycle was finished.

If there is a requirement to restore an archived vacancy from archive, you should publish a new vacancy. You can get the values of fields for that archived vacancy by calling getVacancy operation and use those values to publish new vacancy. There are no way to set some relation between that archived vacancy and the newly published vacancy.

### 9.7.2 Input parameters

invocationContext - invocation context.

positionOpening - a vacancy with the identifier field filled.

### 9.7.3 Return value

A vacancy with the identifier and the state fields filled.

### 9.7.4 Example of an input SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <archiveVacancy
      xmlns="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:hr="http://ns.hr-xml.org/2007-04-15">
      <invocationContext>
        <login>anyUser</login>
        <password>anyPassword</password>
      </invocationContext>
      <positionOpening>
        <hr:PositionRecordInfo>
          <hr:Id idOwner="HeadHunter">
            <hr:IdValue>1095121</hr:IdValue>
          </hr:Id>
        </hr:PositionRecordInfo>
      </positionOpening>
    </archiveVacancy>
  </soap:Body>
</soap:Envelope>
```

### 9.7.5 Example of a response SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <hh:archiveVacancyResponse
      xmlns="http://hrxml.headhunter.ru/2007-08-01"
      xmlns:hh="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:hr="http://ns.hr-xml.org/2007-04-15">
      <hh:PositionOpeningType>
        <hr:PositionRecordInfo>
          <hr:Id idOwner="HeadHunter">
            <hr:IdValue>1095121</hr:IdValue>
          </hr:Id>
          <hr:Status validTo="2008-04-30" validFrom="2008-03-31">Inactive</hr:Status>
        </hr:PositionRecordInfo>
      </hh:PositionOpeningType>
    </archiveVacancyResponse>
  </soap:Body>
</soap:Envelope>
```

```
</hh:PositionOpeningType>  
</hh:archiveVacancyResponse>  
</soap:Body>  
</soap:Envelope>
```

## 9.8 *getVacancy*

### 9.8.1 Functionality

Receive a vacancy by its identifier.

### 9.8.2 Input parameters

invocationContext - invocation context.

positionOpening - a vacancy with the identifier field filled.

### 9.8.3 Return value

Vacancy with all fields filled.

### 9.8.4 Example of input SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getVacancy
  xmlns="http://hrxml.headhunter.ru/2008-03-18"
  xmlns:hr="http://ns.hr-xml.org/2007-04-15">
<invocationContext>
<login>anyUser</login>
<password>anyPassword</password>
</invocationContext>
<positionOpening>
<hr:PositionRecordInfo>
<hr:Id idOwner="HeadHunter">
<hr:IdValue>1095121</hr:IdValue>
</hr:Id>
</hr:PositionRecordInfo>
</positionOpening>
</getVacancy>
</soap:Body>
</soap:Envelope>
```

### 9.8.5 Example of response SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<hh:getVacancyResponse
  xmlns="http://hrxml.headhunter.ru/2007-08-01"
  xmlns:hh="http://hrxml.headhunter.ru/2008-03-18"
  xmlns:hr="http://ns.hr-xml.org/2007-04-15">
<hh:PositionOpeningType>
<hr:PositionRecordInfo>
<hr:Id idOwner="HeadHunter">
<hr:IdValue>1095121</hr:IdValue>
</hr:Id>
<hr:Status validTo="2008-04-30" validFrom="2008-03-31">Active</hr:Status>
</hr:PositionRecordInfo>
<hr:PositionSupplier>
<hr:SupplierId idOwner="HeadHunter">
<hr:IdValue>1290</hr:IdValue>
</hr:SupplierId>
</hr:PositionSupplier>
<hr:PositionProfile>
<hr:Organization>
<hr:Description>organizationDescription</hr:Description>
</hr:Organization>
<hr:PositionDetail>
<hr:PhysicalLocation>
```



## **9.9 getActivePublications**

### **9.9.1 Functionality**

Get list of active published vacancies.

If user is usual vacancy manager, then will be returned only vacancies of that manager. In the case, user has right to vacancies of other vacancy managers, for instance user is main contact person of company, then will be returned also vacancies of those managers.

### **9.9.2 Input parameters**

invocationContext - invocation context.

### **9.9.3 Return value**

The active publications list.

### **9.9.4 Example of input SOAP message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
<soap:Body>  
<getActivePublications xmlns="http://hrxml.headhunter.ru/2008-03-18">  
  <invocationContext>  
    <login>anyUser</login>  
    <password>anyPassword</password>  
  </invocationContext>  
</getActivePublications>  
</soap:Body>  
</soap:Envelope>
```

### **9.9.5 Example of response SOAP message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
<soap:Body>  
<ns2:getActivePublicationsResponse  
  xmlns="http://ns.hr-xml.org/2007-04-15"  
  xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18"  
  xmlns:ns3="http://hrxml.headhunter.ru/2007-08-01">  
<ns2:PositionOpeningType>  
<PositionRecordInfo>  
  <Id idOwner="HeadHunter">  
    <IdValue>1096720</IdValue>  
  </Id>  
  <Status validTo="2008-09-06" validFrom="2008-08-07">Active</Status>  
</PositionRecordInfo>  
<PositionSupplier>  
  <SupplierId idOwner="HeadHunter">  
    <IdValue>1819160</IdValue>  
  </SupplierId>  
</PositionSupplier>  
<PositionProfile>  
<PositionDetail>  
  <PhysicalLocation>  
    <Area type="x:HeadHunter">  
      <Value>1</Value>  
    </Area>  
  </PhysicalLocation>  
<JobCategory>  
  <TaxonomyName>HeadHunter</TaxonomyName>  
  <CategoryCode>3</CategoryCode>  
</JobCategory>  
</PositionDetail>  
</PositionProfile>  
</ns2:PositionOpeningType>  
</ns2:getActivePublicationsResponse>  
</soap:Body>  
</soap:Envelope>
```

```
<TaxonomyName>HeadHunter</TaxonomyName>
<CategoryCode>9</CategoryCode>
</JobCategory>
<JobCategory>
<TaxonomyName>HeadHunter</TaxonomyName>
<CategoryCode>10</CategoryCode>
</JobCategory>
<PositionTitle>hrxml-test-vacancy-name2008-08-07 15:04:49</PositionTitle>
<RemunerationPackage>
<BasePay currencyCode="RUR" baseInterval="Monthly">
<BasePayAmountMin>10000</BasePayAmountMin>
<BasePayAmountMax>20000</BasePayAmountMax>
</BasePay>
</RemunerationPackage>
<UserArea>
<ns3:HhUserArea>
<ns3:requiredWorkExperience>6</ns3:requiredWorkExperience>
<ns3:responseLetterRequired>1</ns3:responseLetterRequired>
<ns3:notify>0</ns3:notify>
</ns3:HhUserArea>
<ns2:PositionOpeningExtension>
<ns2:requiredWorkExperience>workExperienceMoreThan6Year</ns2:requiredWorkExperience>
<ns2:subscribersCompensation currencyCode="RUR" baseInterval="Monthly"/>
<ns2:responseLetterRequired>true</ns2:responseLetterRequired>
<ns2:notify>>false</ns2:notify>
<ns2:sendToSubscribers>>false</ns2:sendToSubscribers>
<ns2:selectInSearchResults>>false</ns2:selectInSearchResults>
<ns2:type>opened</ns2:type>
</ns2:PositionOpeningExtension>
</UserArea>
</PositionDetail>
<FormattedPositionDescription>
<Value>hrxml-test-vacancy-description2008-08-07
[15:04:52.850] 15:04:49hrxml-test-vacancy-description2008-08-07
[15:04:52.850] 15:04:49hrxml-test-vacancy-description2008-08-07
[15:04:52.850] 15:04:49hrxml-test-vacancy-description2008-08-07
[15:04:52.850] 15:04:49hrxml-test-vacancy-description2008-08-07 15:04:49
</Value>
</FormattedPositionDescription>
</PositionProfile>
</ns2:PositionOpeningType>
</ns2:getActivePublicationsResponse>
</soap:Body>
</soap:Envelope>
```

## ***9.10 getArchivedPublications***

### **9.10.1 Functionality**

Get archived publications. The operation is supported the paging.

### **9.10.2 Input parameters**

invocationContext - invocation context.

pageBeginning - the index of the first vacancy in the page. Indexing are starting form 0.

pageSize - the page size.

### **9.10.3 Return value**

The page - see the description of VacancySearchResult.

### **9.10.4 Example of input SOAP message**

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<getArchivedPublications xmlns="http://hrxml.headhunter.ru/2008-03-18">
```

```
<invocationContext>
  <login>uBCBIBAHAAHHIA@example.com</login>
  <password>password</password>
</invocationContext>
<pageBeginning>0</pageBeginning>
<pageSize>50</pageSize>
</getArchivedPublications>
</soap:Body>
</soap:Envelope>
```

### 9.10.5 Example of response SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:getArchivedPublicationsResponse
      xmlns="http://ns.hr-xml.org/2007-04-15"
      xmlns:ns2="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:ns3="http://hrxml.headhunter.ru/2007-08-01">
      <ns2:VacancySearchResult>
        <ns2:vacancies>
          <PositionRecordInfo>
            <Id idOwner="HeadHunter">
              <IdValue>1096720</IdValue>
            </Id>
            <Status validTo="2008-09-06" validFrom="2008-08-07">Inactive</Status>
          </PositionRecordInfo>
          <PositionSupplier>
            <SupplierId idOwner="HeadHunter">
              <IdValue>1819160</IdValue>
            </SupplierId>
          </PositionSupplier>
          <PositionProfile>
            <PositionDetail>
              <PhysicalLocation>
                <Area type="x:HeadHunter">
                  <Value>1</Value>
                </Area>
              </PhysicalLocation>
              <PositionTitle>hrxml-test-vacancy-name2008-08-07 15:04:49 --- changed</PositionTitle>
              <RemunerationPackage>
                <BasePay currencyCode="RUR" baseInterval="Monthly">
                  <BasePayAmountMin>10000</BasePayAmountMin>
                  <BasePayAmountMax>20000</BasePayAmountMax>
                </BasePay>
              </RemunerationPackage>
              <UserArea>
                <ns3:HhUserArea>
                  <ns3:requiredWorkExperience>6</ns3:requiredWorkExperience>
                  <ns3:responseLetterRequired>1</ns3:responseLetterRequired>
                  <ns3:notify>0</ns3:notify>
                </ns3:HhUserArea>
                <ns2:PositionOpeningExtension>
                  <ns2:requiredWorkExperience>workExperienceMoreThan6Year</ns2:requiredWorkExperience>
                  <ns2:subscribersCompensation currencyCode="RUR" baseInterval="Monthly"/>
                  <ns2:responseLetterRequired>true</ns2:responseLetterRequired>
                  <ns2:notify>>false</ns2:notify>
                  <ns2:sendToSubscribers>>false</ns2:sendToSubscribers>
                  <ns2:selectInSearchResults>>false</ns2:selectInSearchResults>
                  <ns2:type>opened</ns2:type>
                </ns2:PositionOpeningExtension>
              </UserArea>
            </PositionDetail>
            <FormattedPositionDescription>
              <Value>hrxml-test-vacancy-description2008-08-07
                [15:04:53.605] 15:04:49hrxml-test-vacancy-description2008-08-07
                [15:04:53.605] 15:04:49hrxml-test-vacancy-description2008-08-07
                [15:04:53.605] 15:04:49hrxml-test-vacancy-description2008-08-07
                [15:04:53.605] 15:04:49hrxml-test-vacancy-description2008-08-07 15:04:49
              </Value>
            </FormattedPositionDescription>
          </PositionProfile>
        </ns2:vacancies>
        <ns2:found>1</ns2:found>
      </ns2:VacancySearchResult>
```

---

```
</hs2:getArchivedPublicationsResponse>  
</soap:Body>  
</soap:Envelope>
```

## 10 ResponseAndInvitationService

The list of operations:

Operation	Comments
<i>findResponseAndInvitations</i>	To receive responses and invitations for vacancy.
<i>getResponseAndInvitationDetails</i>	To receive detail information about response and invitation for the applicant and the vacancy.
<i>inviteApplicantUponResume</i>	To invite the competitor under the resume.
<i>inviteApplicantUponVacancyResponse</i>	To invite the competitor under the response to vacancy.
<i>rejectResume</i>	To give up to the competitor under the resume.
<i>rejectVacancyResponse</i>	To give up to the competitor under the response to vacancy.

### 10.1 Interaction of applicants and employers on Headhunter

Interaction occurs by means of responses of invitations, accordingly:

1. From the applicant the basic essence the response (Response).
2. From the employer the basic essence the invitation (Invitation).

For this reason the majority of methods operate with identifiers Response (responseId) and-or Invitation (invitationId). Also any action (the response or the invitation) contains accompanying text (ResponseOrInvitationLetter).

Employers can send refusals to applicants at any stage - or after response reception (usually if there is no sense to invite the competitor to interview) or after invitation sending (usually after carrying out of interview to the competitor). After refusal sending the response and-or invitation status varies. Together with refusal, it is similar as well as in case of the response and the invitation, the covering letter (ResponseOrInvitationLetter) is sent.

Possible variants of interaction and condition of Response and Invitation, and also quantity and statuses of covering letters (ResponseOrInvitationLetter):

1. The applicant responds to vacancy. Response (response). ResponseOrInvitationLetter [1] {response}.
  - 1.1.The employer sends refusal to the applicant. Response (responseDiscard). ResponseOrInvitationLetter [2] {response, discard}.
  - 1.2.The employer sends the invitation to the applicant. Response (responseInvitation). Invitation (invitation). ResponseOrInvitationLetter [2] {response, invitation}.
    - 1.2.1.The employer sends refusal to the applicant (usually after interview). Response (responseInvitation). Invitation (invitationDiscard). ResponseOrInvitationLetter [3] {response, invitation, discard\_after\_invitation}.

2. The employer invites the applicant. Invitation (invitation). ResponseOrInvitationLetter [1] {invitation}.

2.1. The employer sends refusal to the competitor (usually after interview). Invitation (invitationDiscard). ResponseOrInvitationLetter [2] {invitation, discardAfterInvitation}

For convenience of sending of responses and invitations there are two kinds of operations:

- Accepting the identifier of the resume and the vacancy identifier.
- Accepting the identifier of the response of the competitor on vacancy.

## 10.2 The description of fields ResumeListItem

Describes record - an element (line) of the list of the resume. {<http://hrxml.headhunter.ru/2008-03-18>} ResumeListItem:

Field	Comments
<i>resumeld</i>	The resume identifier.
<i>firstName</i>	Name.
<i>lastName</i>	Surname.
<i>middleName</i>	Patronymic.
<i>birthdayYear</i>	Year of a birth of the competitor.
<i>birthdayMonth</i>	Month of a birth of the competitor (size from 1 to 12).
<i>birthdayDay</i>	Day of month of a birth of the competitor.
<i>resumeCount</i>	Quantity of all resumes of the competitor on HeadHunter.
<i>commentCount</i>	Quantity of visible comments for the current user to the competitor.
<i>desireableCompensationValue</i>	The desirable salary of the competitor in currency (see <i>desireableCompensationCurrencyId</i> ).
<i>desireableCompensationCurrencyId</i>	The identifier of currency of the desirable salary of the competitor (see <i>desireableCompensationCurrencyValue</i> ).
<i>lastEmployerName</i>	The name of last place of work of the competitor.
<i>lastPosition</i>	The name of last post of the competitor.
<i>position</i>	Desirable post.
<i>gender</i>	The gender. It could be male or female.
<i>lastChangeTime</i>	Time of last updating of the resume.

## 10.3 The description of fields ResponseAndInvitationListItem

Describes record - an element (line) of the list of responses and invitations. {<http://hrxml.headhunter.ru/2008-03-18>} ResponseAndInvitationListItem:

Field	Comments
<i>responseld</i>	The response identifier if it is the response.
<i>invitationId</i>	The invitation identifier if this invitation or the response on which has come the invitation.
<i>resumeListItem</i>	The basic information from the resume. See also the description of ResumeListItem.

<i>responseTime</i>	The time of the response.
<i>status</i>	The status - ResponseAndInvitationStatus: <ul style="list-style-type: none"> <li>• response - the response.</li> <li>• responseProcessed - the response is seen.</li> <li>• responseInvitation - on the response the invitation is poisoned.</li> <li>• responseDiscard - on the response refusal is sent.</li> <li>• invitation - the invitation.</li> <li>• invitationDiscard - the invitation on which refusal is sent.</li> <li>• unknown - the unknown person for Headhunter hr-xml.</li> </ul>

The note: there are possible the case when the resumes list contains the resumes which have been removed or which visibility has been changed on invisible to the current employer. In this case the list element contains ResumeListItem with empty fields. More strictly the given case can be determined by checking on ResumeListItem.resumeld on null.

### **10.4 The description of fields ResponseOrInvitationLetter**

Describes the covering letter for the response or the invitation, and also refusal.

{<http://hrxml.headhunter.ru/2008-03-18>} ResponseOrInvitationLetter:

<b>Field</b>	<b>Comments</b>
<i>letter</i>	The covering letter text.
<i>creationTime</i>	Creation time.
<i>type</i>	Type - ResponseOrInvitationLetterType: <ol style="list-style-type: none"> <li>1. response - the response.</li> <li>2. discard - refusal.</li> <li>3. invitation - the invitation.</li> <li>4. discardAfterInvitation - refusal after interview.</li> </ol>

## **10.5 The description of fields ResponseAndInvitationDetails**

In fact, It's describes the history of interaction with the applicant for the vacancy.

{<http://hrxml.headhunter.ru/2008-03-18>} ResponseAndInvitationDetails:

<b>Field</b>	<b>Comments</b>
<i>resumeListItem</i>	The basic information from the resume. See also the description of ResumeListItem.
<i>Resume</i>	Structure hr-xml the resume ({ <a href="http://ns.hr-xml.org/2007-04-15">http://ns.hr-xml.org/2007-04-15</a> } Resume) with the filled contents of not structured resume - Resume/NonXMLResume/TextResume.
<i>responseOrInvitationLetters</i>	The list of response or invitation messages.

## **10.6 findResponseAndInvitations**

### **10.6.1 Functionality**

To receive responses and invitations for vacancy.

### **10.6.2 Entrance parametres**

invocationContext - context of invocation.

vacancyId - the vacancy identifier.

### **10.6.3 Returned value**

The list of responses and invitations

(<http://hrxml.headhunter.ru/2008-03-18>) ResponseAndInvitationListItem).

### **10.6.4 Example entering SOAP messages**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">
<soap:Body>
<findResponseAndInvitations xmlns = "http://hrxml.headhunter.ru/2008-03-18">
<invocationContext>
<login> uBCBFGJGEIJB AE@example.com </login>
<password> password </password>
</invocationContext>
<vacancyId> 1096420 </vacancyId>
</findResponseAndInvitations>
</soap:Body>
</soap:Envelope>
```

### **10.6.5 Example returned SOAP messages**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">
<soap:Body>
<findResponseAndInvitationsResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18">
<ResponseAndInvitationListItem>
<responseId> 2787901 </responseId>
<invitationId> 326558 </invitationId>
<resumeListItem>
<resumeld> 2836868 </resumeld>
<firstName> fnBCBFGJGFAEEAF </firstName>
<lastName> lnBCBFGJGFAEEAF </lastName>
<middleName> mnBCBFGJGFAEEAF </middleName>
<birthdayYear> 2008 </birthdayYear>
<birthdayMonth> 7 </birthdayMonth>
<birthdayDay> 10 </birthdayDay>
<resumeCount> 1 </resumeCount>
<commentCount> 0 </commentCount>
<desireableCompensationValue> 1500 </desireableCompensationValue>
<desireableCompensationCurrencyId> 3 </desireableCompensationCurrencyId>
<lastEmployerName> Organization </lastEmployerName>
<lastPosition> Position </lastPosition>
<position> resumeBCBFGJGFAEEDC </position>
<gender> male</gender>
<lastChangeTime> 2008-07-10T17:28:24.000+04:00 </lastChangeTime>
</resumeListItem>
<responseTime> 2009-05-05T10:21:22.000+04:00 </responseTime>
<status> responseInvitation </status>
</ResponseAndInvitationListItem>
<ResponseAndInvitationListItem>
```

...

```
</ResponseAndInvitationListItem>  
</findResponseAndInvitationsResponse>  
</soap:Body>  
</soap:Envelope>
```

## 10.7 *getResponseAndInvitationDetails*

### 10.7.1 Functionality

To receive detail information about response and invitation for the applicant and the vacancy.

### 10.7.2 Entrance parametres

invocationContext - context of invocation.

responseld - the identifier of response

invitationId - the identifier of invitation.

### 10.7.3 Returned value

The response and invitation details in the structure of {<http://hrxml.headhunter.ru/2008-03-18>} ResponseAndInvitationDetails).

### 10.7.4 Example of entering SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <getResponseAndInvitationDetails xmlns="http://hrxml.headhunter.ru/2008-03-18">
      <invocationContext>
        <login>uBCBJBEIHFBIF@example.com</login>
        <password>password</password>
      </invocationContext>
      <responseld>2788081</responseld>
      <invitationId>326626</invitationId>
    </getResponseAndInvitationDetails>
  </soap:Body>
</soap:Envelope>
```

### 10.7.5 Example of returned SOAP message

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <getResponseAndInvitationDetailsResponse
      xmlns="http://hrxml.headhunter.ru/2008-03-18"
      xmlns:hr="http://ns.hr-xml.org/2007-04-15">
      <ResponseAndInvitationDetails>
        <resumeListItem>
          <resumeld>2842396</resumeld>
          <firstName>fnBCBJBEIHICGJB</firstName>
          <lastName>lnBCBJBEIHICGJB</lastName>
          <middleName>mnBCBJBEIHICGJB</middleName>
          <birthdayYear>2008</birthdayYear>
          <birthdayMonth>8</birthdayMonth>
          <birthdayDay>19</birthdayDay>
          <resumeCount>1</resumeCount>
          <commentCount>0</commentCount>
          <desireableCompensationValue>1500</desireableCompensationValue>
          <desireableCompensationCurrencyId>3</desireableCompensationCurrencyId>
          <lastEmployerName>Organization</lastEmployerName>
          <lastPosition>Position</lastPosition>
          <position>resumeBCBJBEIHICGJB</position>
          <lastChangeTime>2008-08-19T16:26:22.000+04:00</lastChangeTime>
        </resumeListItem>
      </ResponseAndInvitationDetails>
    </getResponseAndInvitationDetailsResponse>
  </soap:Body>
</soap:Envelope>
```

```
<hr:TextResume>&lt;html&gt;
&lt;/head&gt;
&lt;title&gt;InBCBJBEIHICGJB fnBCBJBEIHICGJB mnBCBJBEIHICGJB&lt;/title&gt;
&lt;style&gt;
body {
font-family: Verdana, Helvetica, sans-serif;
font-size: 10px;
line-height: 14px;
margin-left: 15px;
}

.....

&lt;/style&gt;
&lt;/head&gt;

&lt;/body&gt;

&lt;/h1&gt;InBCBJBEIHICGJB fnBCBJBEIHICGJB mnBCBJBEIHICGJB&lt;/h1&gt;

&lt;/p&gt;
&lt;span class=&quot;label&quot;&gt;Желаемая должность:&lt;/span&gt; &lt;span
class=&quot;position&quot;&gt;&gt;resumeBCBJBEIHICGJB&lt;/span&gt;&lt;br&gt;

.....

&lt;/h2&gt;Рекомендации&lt;/h2&gt;
&lt;/p&gt;&lt;span class=&quot;institution&quot;&gt;Name&lt;/span&gt;&lt;/p&gt;
&lt;/p&gt;Organization
(Pozition)
&lt;/p&gt;
&lt;/p&gt;ContactInfo&lt;/p&gt;

&lt;/body&gt;
&lt;/html&gt;
</hr:TextResume>
</hr:NonXMLResume>
</hr:Resume>
<responseOrInvitationLetters>
<letter>Letter for applicant response on vacancy.</letter>
<creationTime>2008-08-19T16:26:22.000+04:00</creationTime>
<type>response</type>
</responseOrInvitationLetters>
<responseOrInvitationLetters>
<letter>Letter for inviteApplicantUponResponse.</letter>
<creationTime>2008-08-19T16:26:23.000+04:00</creationTime>
<type>invitation</type>
</responseOrInvitationLetters>
</ResponseAndInvitationDetails>
</getResponseAndInvitationDetailsResponse>
</soap:Body>
</soap:Envelope>
```

## ***10.8 inviteApplicantUponResume***

### **10.8.1 Functionality**

To invite the applicant under the resume.

### **10.8.2 Entrance parametres**

invocationContext - context of invocation.

resumeld - the resume identifier.

vacancyId - the vacancy identifier.

invitationLetter - the covering letter text.

### **10.8.3 Returned value**

The invitation identifier.

### **10.8.4 Example of entering SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<inviteApplicantUponResume xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invocationContext>  
<login> uBCBFGJHAGJAFB@example.com </login>  
<password> password </password>  
</invocationContext>  
<resumeld> 2836874 </resumeld>  
<vacancyId> 1096428 </vacancyId>  
<invitationLetter> Letter for inviteApplicantUponResponse. </invitationLetter>  
</inviteApplicantUponResume>  
</soap:Body>  
</soap:Envelope>
```

### **10.8.5 Example of returned SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<inviteApplicantUponResumeResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invitationId> 326562 </invitationId>  
</inviteApplicantUponResumeResponse>  
</soap:Body>  
</soap:Envelope>
```

## ***10.9 inviteApplicantUponResponse***

### **10.9.1 Functionality**

To invite the applicant under the response to vacancy.

### **10.9.2 Entrance parametres**

invocationContext - context of invocation.

responseld - the identifier of the response of the applicant on vacancy.

invitationLetter - the covering letter text.

### **10.9.3 Returned value**

The invitation identifier.

### **10.9.4 Example of entering SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<inviteApplicantUponResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invocationContext>  
<login> uBCBFGJHEECJJ@example.com </login>  
<password> password </password>  
</invocationContext>  
<responseld> 2787909 </responseld>  
<invitationLetter> Letter for inviteApplicantUponResponse. </invitationLetter>  
</inviteApplicantUponResponse>  
</soap:Body>  
</soap:Envelope>
```

### **10.9.5 Example of returned SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<inviteApplicantUponResponseResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invitationId> 326563 </invitationId>  
</inviteApplicantUponResponseResponse>  
</soap:Body>  
</soap:Envelope>
```

## **10.10 rejectResume**

### **10.10.1 Functionality**

To give up to the applicant under the resume.

### **10.10.2 Entrance parametres**

invocationContext - context of invocation.

resumeld - the resume identifier.

vacancyId - the vacancy identifier.

rejectionLetter - the covering letter text.

### **10.10.3 Returned value**

There is no returned value.

### **10.10.4 Example of entering SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<rejectResume xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invocationContext>  
<login> uBCBFGJHAGJAFB@example.com </login>  
<password> password </password>  
</invocationContext>  
<resumeld> 2836874 </resumeld>  
<vacancyId> 1096428 </vacancyId>  
<rejectionLetter> Letter for rejectResponse after interview. </rejectionLetter>  
</rejectResume>  
</soap:Body>  
</soap:Envelope>
```

### **10.10.5 Example of returned SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<rejectResumeResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18"/>  
</soap:Body>  
</soap:Envelope>
```

## **10.11 rejectVacancyResponse**

### **10.11.1 Functionality**

To give up to the applicant under the response to vacancy.

### **10.11.2 Entrance parametres**

invocationContext - context of invocation.

responseld - the identifier of the response of the competitor on vacancy.

rejectionLetter - the covering letter text.

### **10.11.3 Returned value**

There is no returned value.

### **10.11.4 Example of entering SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<rejectResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18">  
<invocationContext>  
<login> uBCBFGJHHACBDC@example.com </login>  
<password> password </password>  
<runAs xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance" xsi:nil = "true"/>  
</invocationContext>  
<responseld> 2787912 </responseld>  
<rejectionLetter> Letter for rejectResponse after interview. </rejectionLetter>  
</rejectResponse>  
</soap:Body>  
</soap:Envelope>
```

### **10.11.5 Example of returned SOAP message**

```
<soap:Envelope xmlns:soap = "http://schemas.xmlsoap.org/soap/envelope /">  
<soap:Body>  
<rejectResponseResponse xmlns = "http://hrxml.headhunter.ru/2008-03-18"/>  
</soap:Body>  
</soap:Envelope>
```

## 11 Formal Description and Names of the Services

WSDL-descriptions of the services are available on <http://hh.ru/services/>.

Addresses of services are accessible on <http://hh.ru/services/>, There are references on wsdl - descriptions of these services.

Each service address is formed as <http://hh.ru/services/> + service name, e.g. for the classificatory service <http://hh.ru/services/DictionaryService>.

## 12 Delivery of the XML-documents

XML documents are delivered using SOAP protocol over HTTP, e.g. file with vacancy description can be posted here <http://hh.ru/services/HrxmlVacancyService> using SOAP/HTTP protocol.