

## ESNIC/SOAP Module

### WEB SERVICES SOAP SGND 7.18 User Manual



**Version 1.33**

# Contents

<b>1. Introduction .....</b>	<b>6</b>
1.1. Access Rules .....	6
<b>2. Technical Requirements.....</b>	<b>8</b>
<b>3. ESNIC and SOAP .....</b>	<b>9</b>
3.1. SOAP-based model .....	9
<b>4. Common input and output parameters .....</b>	<b>10</b>
4.1. Obtaining the WSDL file .....	10
4.2. Common input fields.....	10
4.2.1. List of common input fields.....	10
4.2.2. Elements of common input fields.....	11
4.2.3. Example of XML request sent:.....	11
4.3. Common output fields.....	12
4.3.1. Example of an XML response received: .....	13
<b>5. Catalogue of requests.....</b>	<b>14</b>
5.1. Domains .....	14
5.1.1. Domain availability .....	14
5.1.1.1. DomainCheckRequest .....	14
5.1.1.2. DomainCheckResponse .....	14
5.1.1.3. Example.....	15
5.1.2. Creation of domains .....	16
5.1.2.1. DomainCreateRequest .....	16
5.1.2.2. DomainCreateResponse .....	18
5.1.2.3. Example.....	18
5.1.3. Information on domains .....	20
5.1.3.1. DomainInfoRequest .....	20
5.1.3.2. DomainInfoResponse .....	20
5.1.3.3. Example.....	21
5.1.4. Domain modification .....	24
5.1.4.1. DomainUpdateRequest.....	24
5.1.4.2. DomainUpdateResponse.....	25
5.1.4.3. Example.....	26
5.1.5. Domain de-registration request.....	27
5.1.5.1. DomainDeleteRequest.....	28
5.1.5.2. DomainDeleteResponse .....	28
5.1.5.3. Example.....	28
5.1.6. Renewing a domain .....	29
5.1.6.1. DomainRenewRequest .....	30
5.1.6.2. DomainRenewResponse .....	30
5.1.6.3. Example: .....	30
5.1.7. Domain Transfer or Transmission .....	33
5.1.7.1. DomainTransferRequest .....	33
5.1.7.2. DomainTransferResponse .....	34
5.1.7.3. Example transfer.....	35

5.1.7.4.	Example regular transmission .....	36
5.1.7.5.	Example special transmission .....	37
5.1.8.	Verify domain management .....	38
5.1.8.1.	DomainManagementRequest .....	39
5.1.8.2.	DomainManagementResponse .....	39
5.1.8.3.	Example.....	39
5.2.	Host servers .....	40
5.2.1.	Server availability query .....	40
5.2.1.1.	HostCheckRequest .....	40
5.2.1.2.	HostCheckResponse .....	41
5.2.1.3.	Example.....	41
5.2.2.	Server information .....	42
5.2.2.1.	HostInfoRequest .....	42
5.2.2.2.	HostInfoResponse .....	42
5.2.2.3.	Example.....	42
5.2.3.	Server creation .....	43
5.2.3.1.	HostCreateRequest.....	44
5.2.3.2.	HostCreateResponse.....	44
5.2.3.3.	Example.....	44
5.2.4.	Server modification .....	45
5.2.4.1.	HostUpdateRequest .....	46
5.2.4.2.	HostUpdateResponse .....	46
5.2.4.3.	Example.....	46
5.3.	Contact.....	48
5.3.1.	Contact availability query .....	48
5.3.1.1.	ContactCheckRequest .....	48
5.3.1.2.	ContactCheckResponse .....	49
5.3.1.3.	Example.....	49
5.3.2.	Contact creation.....	50
5.3.2.1.	ContactCreateRequest .....	50
5.3.2.2.	ContactCreateResponse .....	52
5.3.2.3.	Example "individual" contact registration request .....	53
5.3.2.4.	Example "legal entity" contact registration request.....	54
5.3.3.	Contact information .....	55
5.3.3.1.	ContactInfoRequest .....	56
5.3.3.2.	ContactInfoResponse .....	56
5.3.3.3.	Example.....	57
5.3.4.	Contact modification .....	59
5.3.4.1.	ContactUpdateRequest.....	59
5.3.4.2.	ContactUpdateResponse.....	61
5.3.4.3.	Example.....	62
5.4.	Applications .....	63
5.4.1.	Application inquiry.....	64
5.4.1.1.	OrderInfoRequest.....	66
5.4.1.2.	OrderInfoResponse.....	66
5.4.1.3.	Example.....	67
5.4.2.	Extended request consultation .....	68
5.4.2.1.	OrderExtendedInfoRequest.....	68
5.4.2.2.	OrderExtendedInfoResponse.....	68
5.4.2.3.	Example of a registration request.....	70
5.4.2.4.	Example of a transmission request .....	72
5.4.3.	Accept request.....	74
5.4.3.1.	AcceptOrderRequest .....	74
5.4.3.2.	AcceptOrderResponse .....	75
5.4.3.3.	Example.....	75
5.4.4.	Reject request .....	76
5.4.4.1.	RejectOrderRequest.....	76

5.4.4.2.	RejectOrderResponse .....	76
5.4.4.3.	Example.....	77
5.4.5.	Cancel request.....	78
5.4.5.1.	CancelOrderRequest .....	78
5.4.5.2.	CancelOrderResponse .....	78
5.4.5.3.	Example.....	79
5.5.	Management and consultation operations .....	80
5.5.1.	Messages in task inbox .....	80
5.5.1.1.	InboxRequest .....	82
5.5.1.2.	InboxResponse .....	83
5.5.1.3.	Example.....	84
5.5.2.	List of movements.....	85
5.5.2.1.	MovementRequest .....	85
5.5.2.2.	MovementResponse.....	85
5.5.2.3.	Example.....	86
5.5.3.	List of invoices .....	87
5.5.3.1.	InvoiceRequest .....	87
5.5.3.2.	InvoiceResponse .....	88
5.5.3.3.	Example.....	88
5.5.4.	Invoice download .....	89
5.5.4.1.	InvoiceDownloadRequest .....	89
5.5.4.2.	InvoiceDownloadResponse .....	90
5.5.4.3.	Example.....	90
5.5.5.	List of trade actions .....	91
5.5.5.1.	TradeActionRequest.....	91
5.5.5.2.	TradeActionResponse.....	91
5.5.5.3.	Example.....	92
5.5.6.	Trade action detail.....	93
5.5.6.1.	TradeActionDetailRequest.....	93
5.5.6.2.	TradeActionDetailResponse .....	93
5.5.6.3.	Example.....	94
5.5.7.	Link domain to a trade action .....	95
5.5.7.1.	TradeActionLinkDomainRequest .....	95
5.5.7.2.	TradeActionLinkDomainResponse .....	95
5.5.7.3.	Example.....	96
5.5.8.	Eliminate link between domain and trade action.....	97
5.5.8.1.	TradeActionUnlinkDomainRequest .....	97
5.5.8.2.	TradeActionUnlinkDomainResponse .....	97
5.5.8.3.	Example.....	97
5.5.9.	Statistics download.....	98
5.5.9.1.	StatisticRequest .....	98
5.5.9.2.	StatisticResponse .....	99
5.5.9.3.	Example.....	99
5.5.10.	Download ownership certificate .....	100
5.5.10.1.	OwnershipCertificateRequest .....	100
5.5.10.2.	OwnershipCertificateResponse .....	100
5.5.10.3.	Example.....	100
5.5.11.	List of blocked domains in an extraordinary cancellation process .....	101
5.5.11.1.	ExtraordinaryCancelationRequest .....	101
5.5.11.2.	ExtraordinaryCancelationResponse .....	102
5.5.11.3.	Example.....	102

## 6. Appendix 1: SOAP Response Codes..... 104

6.1.	Error codes in bulk processes.....	104
------	------------------------------------	-----

## 7. Appendix 2: Legal form codes..... 106

7.1.	Appendix I: Spanish Provinces and Postal Prefixes .....	106
7.2.	Appendix II: Country Acronyms ISO-3166-1 Alpha-2 .....	108
7.3.	Appendix III: Legal Form Codes .....	113
7.4.	Appendix IV: Algorithm codes and Digest for DNSSEC .....	114

## 1. INTRODUCTION

---

Red.es has been entrusted with the management of the register of Internet domain names under the country code ".es", which includes all the activities related to application processing and domain assignment, pursuant to the corresponding [regulations](#), together with the technical activities necessary to guarantee the smooth operation of the domains system in Spain and on the worldwide web.

In line with the adjustment of the technical support systems to the third level domain management as per the new Domain Names National Plan, Red.es will allow accredited registrars to manage applications and maintain domain names under the ".es" code via two types of communication:

- Accredited Registrar web interface (HTML-based)
- SOAP (XML data exchange interface)

This document shows the data communication model defined for the DNMS. This model is based on the Simple Object Access Protocol (SOAP).

The document contains references to the type of data and actions supported by the register for the management of third level domains under ".com.es", ".nom.es", ".org.es", ".edu.es", ".gob.es", in addition to the management of second level domains, that is, those under ".es".

### 1.1. Access Rules

Access to the SOAP module of the SGND can be authenticated both through IP addresses (up to a maximum of 6), previously registered in the SGND through the web service data panel in the menu "Modify Accredited Registrar" of the Accredited Registrar web interface at <https://ar.nic.es/> (<https://ar.nic.demo.red.es/> for OT&E), and through the credentials (*UserID* and *UserPwd*) indicated in each XML service request as offspring of the ClientData object. An error in the data provided in the aforementioned ClientData object or access from a machine for which the output IP has not previously been registered may result in an authentication error (9000).

The maximum number of concurrent connections (equivalent to service requests) permitted for each of the authorised IPs to connect to the SOAP module is 3. Any additional requests received above the permitted number will be rejected by the server. If the ESNIC detects a bulk mailing of requests that does not respect the aforementioned limit systematically, the following procedure will be activated:

- **Medium Alert:** The Accredited Registrar will be notified and requested to cease the activity causing the bulk mailing of requests.
- **High Alert:** The IP address causing the bulk mailing of requests will be blocked as a preventive measure (until 10 am on the following working day)
- **High Alert continuing for a second consecutive day:** The IP address shall be disabled until further notice, depending on the circumstances.

Red.es cannot guarantee that the first notice will be sent if the circumstances do not allow the detection of the Medium Alert and increase quickly to the High Alert. Provided that the circumstances allow that (day and working timetable), in the case

of a High Alert, the Accredited Registrar shall be notified immediately after the IP is disabled. If there is an answer from the Accredited Registrar in which it promises to abide by the IP usage policy, Red.es reserves the right to enable the IP earlier than stipulated in the general protocol.

## 2. TECHNICAL REQUIREMENTS

---

Communications: HTTPS (SSL certificate).

Red.es shall maintain an HTTPS access which will be restricted to Accredited Registrars. Applications should be sent using the POST method with the specified XML format.

The URL for accessing the OT&E environment (test environment) is:

<https://ar.nic.demo.red.es/sgnd/soap/command>

The URL to access the production environment is:

<https://ar.nic.es/sgnd/soap/command>

Access is effected by sending an XML as the HTTP POST petition content, in which the Content-Type of said content must be text/xml, though this will not be verified; it will simply be verified that the content is XML, validating it against the XSDs provided. The message must be coded in UTF-8, otherwise the application may return an error if the message contains characters that do not form part of the ASCII charset, such as accents or 'ñ's.

The response will be returned in the HTTP response entity, with a code 1000 for requests accepted by the server or a code 9xxx for errors. This entity will be a "text/xml" UTF-8.

The client (Accredited Registrar) can maintain between one and four fixed IPs for communication to the DNMS/SOAP module.

The sessions will be not persistent. Each request from the AR client must always include the ARs specific user data and password in the communications to the DNMS/SOAP module. This communication will be via the specific ClientData element for authenticating and identifying the client.

This element contains the sub-elements required to authenticate the registrar, identify the transaction and configure the language in which communications are to be received:

```
<sch:ClientData>
  <sch:UserID>?</sch:UserID>
  <sch:UserPwd>?</sch:UserPwd>
  <sch:ClientID>?</sch:ClientID>
  <sch:Language>?</sch:Language>
</sch:ClientData>
```

The service will not support persistent sessions in home. Neither will it be possible to change the service access password using the DNMS/SOAP module.

Requests sent can be tracked and managed either via the SOAP module or via the HTML/HTTPS control panel.



## 3. ESNIC AND SOAP

---

### 3.1. SOAP-based model

The DNMS model is based on SOAP (acronym for Simple Object Access Protocol), a standard protocol that defines how two objects in different processes can communicate by exchanging XML data. It is one of the protocols used in Web services. It is dependent on XML (eXtensible Markup Language) for the message format and it relies on other communication protocols such as HTTP or SMTP for transmitting and negotiating its messages.

**NOTE:** When sending client requests, it is important to always take into account the XSD documents, as the examples included in this guide do not show all the options and, therefore, not all the model's possibilities are covered.

## 4. COMMON INPUT AND OUTPUT PARAMETERS

### 4.1. Obtaining the WSDL file

To ensure an appropriate communication between the DNMS and client systems, the application will publish the WSDL file with the request and response structure, together with the XSDs for each complex element affecting the aforementioned requests and responses.

The URL for accessing the OT&E environment (test environment) is  
<https://ar.nic.demo.red.es/sgnd/soap/requestSgnd.wsdl>

The URL to access the production environment is:  
<https://ar.nic.es/sgnd/soap/requestSgnd.wsdl>

### 4.2. Common input fields

The XMLs will be made up of a series of input fields that will be common to all, regardless of the entity to which they are addressed.

Both the request input messages and the response messages are common to the different entities.

#### 4.2.1. List of common input fields

The following table shows the fields common to the XML request input files.

Field	Parent field	Type	Description
<Envelope>	None	Mandatory	Used to describe SOAP messages to be sent, this element contains the definitions of the Namespaces (using <b>xmlns</b> ), one for the <code>SOAP-Env</code> itself and the rest for each Schema instance that is going to be used.
<Header>	Envelope	Optional	Indicates header data for the SOAP message. The message will be incorporated

			empty, i.e., as <Header/>
<Body>	Envelope	Mandatory	Contains the body of the SOAP message
<SgndCommandRequest>	Body	Mandatory	Field that will contain the request that the user wishes to perform
<ClientData>	SgndCommandRequest	Mandatory	This field contains the definition of the client's (registrar's) login and password, the transaction identifier and communication language

#### 4.2.2. Elements of common input fields

The parameters linked to the fields common to the XML request input files are set out below.

Elements	Field to which it belongs	Type	Description
UserID	ClientData	Mandatory	Authenticated user identifier
UserPwd	ClientData	Mandatory	Authenticated user password
ClientID	ClientData	Mandatory	Control ID for the transaction
Language	ClientData	Mandatory	Language for the output messages

#### 4.2.3. Example of XML request sent:

The following example is a portion of code which refers to a domain availability query ((DomainCheckRequest):

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas"
xmlns:schl="http://www.nic.es/sgnd/schemas-domain"
xmlns:sch2="http://www.nic.es/sgnd/schemas-host">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
```

```
<sch:DomainCheckRequest>
  <sch1:Name>pruebas-pago.es</sch1:Name>
</sch:DomainCheckRequest>
<sch:ClientData>
  <sch:UserID>XXXX</sch:UserID>
  <sch:UserPwd>XXXX</sch:UserPwd>
  <sch:ClientID>AR-123456</sch:ClientID>
  <sch:Language>es</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### 4.3. Common output fields

The XMLs will be made up of a series of output fields that will be common to all, regardless of the entity to which they are addressed.

The XML heading will always be preceded by the **?xml** field, indicating the version, XML encoding and whether or not it is standalone, as shown in the example below:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
```

The fields will be as follows:

Field	Parent field	Description
<Envelope>	None	Used to describe SOAP messages to be sent, this element contains the definitions of the Namespaces (using <b>xmlns</b> ), one for the SOAP-Env itself and the rest for each Schema instance that is going to be used
<Header>	<Envelope>	Indicates header data for the SOAP message. The message will be incorporated empty, i.e., as <Header/>
<Body>	<Envelope>	Contains the body of the SOAP message.
<SgndCommandResponse>	<Body>	Field that will contain the response to the request made.
<ReturnCode>	<SgndCommandResponse>	Transaction return code
<ReturnMsg>	<SgndCommandResponse>	Error message; displayed when the transaction has not concluded correctly
<ServerData>	<SgndCommandResponse>	Information that is sent by the server to identify the transaction

<Timestamp>	<ServerData>	Transaction Timestamp
<ClientID>	<ServerData>	ID the client sent in its request
<ServerID>	<ServerData>	ID that the server send to identify the transaction

#### 4.3.1. Example of an XML response received:

Below is the result of an availability query (domain:check) on the domain *ejemplows.es*:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:HostCheckResponse>
        <ns6:Name exist="true">ns1.mydomain.com</ns6:Name>
        <ns6:Name exist="true">ns2.mydomain.com</ns6:Name>
      </ns4:HostCheckResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:36.849+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-HOST-CHEK-1006</ns4:ClientID>
        <ns4:ServerID>1331115516849</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 5. CATALOGUE OF REQUESTS

### 5.1. Domains

The operations linked with the **domain** entity are shown in the following table:

Operation	Description
DomainCreateRequest	Creates (registers) a new domain in ESNIC with the data provided in the input message defined below.
DomainUpdateRequest	Updates the data linked with a domain using the parameters indicated below.
DomainCheckRequest	Checks that the domain is available for registration.
DomainInfoRequest	Returns the data linked with a specific domain.
DomainRenewRequest	Renews a specific domain name.
DomainDeleteRequest	Generates a de-registration request for a specific domain.
DomainManagementRequest	Checks whether the registrar is the domain manager.
DomainTransferRequest	Generates a request to transfer a specific domain to the account of the requesting registrar.

#### 5.1.1. Domain availability

The DomainCheckResponse order will show information for each of the extensions of a given domain name.  
DomainCheckRequest

##### 5.1.1.1. DomainCheckRequest

The table below contains a list and details of the fields comprising the DomainCheckRequest object:

- **Name:** Indicated the domain name to be checked **without an extension**.

Element	Parent field	Type	Mandatory
DomainCheckRequest	SgndCommandRequest	DomainCheckRequest	Mandatory
Name	DomainCreateResponse	String	Mandatory

##### 5.1.1.2. DomainCheckResponse

The table below contains a list and details of the fields comprising the DomainCheckRequest object:

- **DomainExtension:** Indicates the availability of a domain name (available, blocked, reserved, registered, etc.) for a specific extension.

Element	Parent field	Type
DomainCheckResponse	SgndCommandResponse	DomainCheckResponse
DomainExtension	DomainCreateResponse	DomainCheckDetail

### 5.1.1.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:schl="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:schl0="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainCheckRequest>
        <sch1:Name>jmx-test-soap-1006</sch1:Name>
      </sch:DomainCheckRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-DOM-CHEK-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainCheckResponse>
        <ns2:DomainExtension>
          <ns2:Name>jmx-test-soap-1006.es</ns2:Name>
          <ns2:Status>Dominio Registrado</ns2:Status>
        </ns2:DomainExtension>
        <ns2:DomainExtension>
          <ns2:Name>jmx-test-soap-1006.com.es</ns2:Name>
          <ns2:Status>Dominio Disponible</ns2:Status>
        </ns2:DomainExtension>
        <ns2:DomainExtension>
          <ns2:Name>jmx-test-soap-1006.nom.es</ns2:Name>
          <ns2:Status>Dominio Disponible</ns2:Status>
        </ns2:DomainExtension>
        <ns2:DomainExtension>

```

```
<ns2:Name>jmx-test-soap-1006.org.es</ns2:Name>
<ns2:Status>Dominio Disponible</ns2:Status>
</ns2:DomainExtension>
<ns2:DomainExtension>
  <ns2:Name>jmx-test-soap-1006.gob.es</ns2:Name>
  <ns2:Status>Dominio Disponible</ns2:Status>
</ns2:DomainExtension>
<ns2:DomainExtension>
  <ns2:Name>jmx-test-soap-1006.edu.es</ns2:Name>
  <ns2:Status>Dominio Disponible</ns2:Status>
</ns2:DomainExtension>
</ns4:DomainCheckResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:17:36.076+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-DOM-CHEK-1006</ns4:ClientID>
  <ns4:ServerID>1331115456076</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.1.2. Creation of domains

The <DomainCreateRequest> command provides a transformation operation enabling the client to create one or several domain objects.

The SGND will immediately proceed to register the domain names automatically if they are available, although in certain cases (such as reserved domains or registrations performed by "end user" clients) the domain will remain inactive until a human operator from the register approves or rejects it ("being processed" status) or until the end user pays the registration fee ("registration approved" status).

If several domain names are given:

- Registrations of reserved domain will not be allowed; it will be necessary to launch an individual request to register domains of this type.
- If they did not previously exist and belong to the .ES zone the DNS servers must be in the same zone and the root domain must be included in the listed domains.

#### 5.1.2.1. DomainCreateRequest

The table below contains a list and details of the fields comprising the DomainCreateRequest object:

- **Name:** Indicates the name of the domain we wish to register. The domain must not already exist or be in active status; if it does already exist it must be in deleted status; the domain must also not be blocked or blacklisted. More than one Name element may be given. A domain will be registered for each Name element in the request.
- **Period:** Indicates the period of time for which the domain is to be registered. This term can be 1, 2, 3, 4, 5 or 10 years. This variable will only be applicable in the event of domain activation.
- **Autorenew:** Is used to indicate where we want the domain to be renewed automatically or not.



- **TradeAction:** This field is included in order for Accredited Registrars to carry out trade actions. It is optional and may only contain numbers, from 1 to 9999. The specific values will be provided by the red.es operators.
- **TradeMark** and **RegistrationNumber:** They indicate the trademark and the registration number, respectively; they are optional.
- **Registrant:** Indicates the domain holder and must give a contact already existing in the SGND.
- **Admin:** Indicates the administrative contact of the domain, and it should report a contact (that is an individual) already existing on the SGND.
- **Tech:** Indicates the technical contact of the domain, and it should report a contact (that is an individual) already existing on the SGND. It can report up to 6 elements of this type.
- **Billing:** Indicates the invoicing contact of the domain, and it should report a contact (that is an individual) already existing on the SGND. It can report up to 2 elements of this type.
- **Host:** Indicates the DNS to which the domain is to be linked. If these DNS servers do not exist, they will be registered on the system. At least 2 DNS servers or 1 DNS server and Master IP and at most 7 DNS servers must be reported.
- **MasterIPV4** and **MasterIPV6:** If we wish to use the secondary ESNIC server, we have to include at least one of these elements. (If it is not included the system deems that this service is not required).
- **DnsSecData:** Object with the data for insertion of DS records in the domain.

Element	Parent field	Type	Mandatory
DomainCreateRequest	SgndCommandRequest	DomainCreateRequest	Mandatory
Name	DomainCreateRequest	String	Mandatory
Period	DomainCreateRequest	Period	Mandatory
Autorenew	DomainCreateRequest	Boolean	Mandatory
TradeAction	DomainCreateRequest	Long	Optional
TradeMark	DomainCreateRequest	String	Optional
RegistrationNumber	DomainCreateRequest	String	Optional
Registrant	DomainCreateRequest	String	Optional
Admin	DomainCreateRequest	String	Optional
Tech	DomainCreateRequest	String	Optional
Billing	DomainCreateRequest	String	Optional
Host	DomainCreateRequest	Host	Optional
MasterIPV4	DomainCreateRequest	String	Optional
MasterIPV6	DomainCreateRequest	String	Optional
Aux	DomainCreateRequest	String	Optional
DnsSecData	DomainCreateRequest	DsType	Optional

### 5.1.2.2. DomainCreateResponse

The table below contains a list and details of the fields comprising the DomainCreateResponse object:

- **Name:** Reports the domain name that has been registered.
- **Autorenew:** Details whether or not the domain has automatic renewal.
- **Creation:** Domain creation date
- **Expiration:** Domain expiry date. Calculated based on the period requested in the registration request.
- **Order:** Information from the request that has been created. If more than one Name element is given, one Order element will be given for each request created.
- **NotIncluded:** If more than one domain name is given, those domains that could not be processed will be listed in this element.

Element	Parent field	Type
DomainCreateResponse	SgndCommandResponse	DomainCreateResponse
Name	DomainCreateResponse	String
Autorenew	DomainCreateResponse	Boolean
Creation	DomainCreateResponse	DateTime
Expiration	DomainCreateResponse	DateTime
Order	DomainCreateResponse	OrderExtendedInfo
NotIncluded	DomainCreateResponse	NotIncluded

### 5.1.2.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-dnssec"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainCreateRequest>
        <sch1:Name>jmx-test-soap-1006.es</sch1:Name>
        <sch1:Period>1</sch1:Period>
        <sch1:Autorenew>>false</sch1:Autorenew>
      </sch:DomainCreateRequest>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```
<sch1:TradeAction>1009</sch1:TradeAction>
<sch1:TradeMark>prueba-ws-soap</sch1:TradeMark>
<sch1:RegistrationNumber>prueba-ws-soap-nr</sch1:RegistrationNumber>
<sch1:Registrant>JMA1044-ESNIC-F4</sch1:Registrant>
<sch1:Admin>JMA1044-ESNIC-F4</sch1:Admin>
<sch1:Tech>JMA1044-ESNIC-F4</sch1:Tech>
<sch1:Billing>JMA1044-ESNIC-F4</sch1:Billing>
<sch1:Aux>FIXME</sch1:Aux>
<sch1:DnsSecData>
  <sch3:maxSigLife>456</sch3:maxSigLife>
  <sch3:dsData>
    <sch3:keyTag>204</sch3:keyTag>
    <sch3:alg>5</sch3:alg>
    <sch3:digestType>1</sch3:digestType>
    <sch3:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</sch3:digest>
    <sch3:keyData>
      <sch3:flags>204</sch3:flags>
      <sch3:protocol>3</sch3:protocol>
      <sch3:alg>1</sch3:alg>
  </sch3:dsData>
</sch1:DnsSecData>
</sch:DomainCreateRequest>
<sch:ClientData>
  <sch:UserID>XXXXXX</sch:UserID>
  <sch:UserPwd>XXXXXX</sch:UserPwd>
  <sch:ClientID>AR-DOM-CREA-1006</sch:ClientID>
  <sch:Language>es</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

## XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainCreateResponse>
        <ns2:Name>jmx-test-soap-1006.es</ns2:Name>
        <ns2:Autorenew>>false</ns2:Autorenew>
        <ns2:Creation>2012-03-07T11:15:54.621+01:00</ns2:Creation>
        <ns2:Expiration>2013-03-07T11:15:54.621+01:00</ns2:Expiration>
        <ns2:Order xsi:type="ns3:OrderExtendedInfo"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <ns3:OrderId>417041</ns3:OrderId>
          <ns3:OrderType>1</ns3:OrderType>
          <ns3:State>DMOK</ns3:State>
          <ns3:StateDescription>Efectuada</ns3:StateDescription>
          <ns3:Creation>2012-06-27T16:34:56.884+02:00</ns3:Creation>
          <ns3:Reference>AD-ES-417041-F5</ns3:Reference>
        </ns2:Order>
      </ns4:DomainCreateResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-06-27T16:34:56.884+02:00</ns4:Timestamp>
        <ns4:ClientID>AR-DOM-CREA-1006</ns4:ClientID>
        <ns4:ServerID>1331115367966</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.1.3. Information on domains

The domain name information request will provide all the data requested currently linked with the domain. This information will be shown in full if the domain is managed by an Accredited Registrar or, if not under its management, it may be displayed filtered (depending on the configuration set up by the network operators).

#### 5.1.3.1. DomainInfoRequest

The table below contains a list and details of the fields comprising the DomainInfoRequest object:

- **Name:** Indicates the domain name for which the information is required.

Element	Parent field	Type	Mandatory
DomainInfoRequest	SgndCommandRequest	DomainInfoRequest	Mandatory
Name	DomainInfoRequest	String	Mandatory

#### 5.1.3.2. DomainInfoResponse

The table below contains a list and details of the fields comprising the DomainInfoResponse object:

- **Name:** Indicates the domain name that has been consulted.
- **Status:** Shows the status the domain consulted is currently in. The possible values are:
  - 1 Activated.
  - 2 Deactivated.
  - 3 Pending activation.
  - 4 Canc. reg. req.
  - 5 Temporary deactivation
- **Creation:** Domain creation date
- **Expiration:** Domain expiry date. Calculated based on the period requested in the registration request.
- **Period:** Indicates the period for which it was registered.
- **Autorenew:** Details whether or not the domain has automatic renewal.
- **TradeMark:** Shows the registered trademark linked to the domain.
- **RegistrationNumber:** Gives the registration number that is reported for that domain.
- **Registrant:** Indicates the domain holder.
- **Admin:** Indicates the administrative contact for the domain.

- **Tech:** Indicates the technical contact for the domain. Up to 6 elements of this type may appear.
- **Billing:** Indicates the invoicing contact for the domain. Up to 2 elements of this type may appear.
- **Host:** Indicates the DNS servers to which the domain is linked.
- **UsesEsnicHost:** Indicates whether the domain uses the ESNIC secondary.
- **MasterIPV4** and **MasterIPV6:** Shows the Master IP linked to the domain, in IPV4 or IPV6 format, respectively.
- **DnsSecData:** Information about DS records associated to the domain.

Element	Parent field	Type
DomainInfoResponse	SgndCommandResponse	DomainInfoResponse
Name	DomainInfoResponse	String
Status	DomainInfoResponse	String
Creation	DomainInfoResponse	DateTime
Expiration	DomainInfoResponse	DateTime
Period	DomainInfoResponse	Period
Autorenew	DomainInfoResponse	Boolean
TradeMark	DomainInfoResponse	String
RegistrationNumber	DomainInfoResponse	String
Registrant	DomainInfoResponse	Contact
Admin	DomainInfoResponse	Contact
Tech	DomainInfoResponse	Contact
Billing	DomainInfoResponse	Contact
Host	DomainInfoResponse	Host
UsesEsnicHost	DomainInfoResponse	Boolean
MasterIPV4	DomainInfoResponse	String
MasterIPV6	DomainInfoResponse	String
DnsSecData	DomainInfoResponse	DsType

### 5.1.3.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement">
```

```

xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainInfoRequest>
        <sch1:Name>jmx-test-soap-2pct-1006.es</sch1:Name>
      </sch:DomainInfoRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-DOM-INFO-DOMAR-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### **XML response received:**

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainInfoResponse>
        <ns2:Name>jmx-test-soap-2pct-1006.es</ns2:Name>
        <ns2:Status>1</ns2:Status>
        <ns2:Creation>2012-03-07T11:17:10.000+01:00</ns2:Creation>
        <ns2:Expiration>2013-03-07T11:17:10.000+01:00</ns2:Expiration>
        <ns2:Period>1</ns2:Period>
        <ns2:Autorenew>false</ns2:Autorenew>
        <ns2:TradeMark>prueba-ws-soap</ns2:TradeMark>
        <ns2:RegistrationNumber>prueba-ws-soap-nr</ns2:RegistrationNumber>
        <ns2:Registrant>
          <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="0">A50053081</ns5:Id>
          <ns5:Address>Walqa</ns5:Address>
          <ns5:City>Walqa</ns5:City>
          <ns5:Province>HUESCA</ns5:Province>
          <ns5:PostalCode>22005</ns5:PostalCode>
          <ns5:Country>España</ns5:Country>
          <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
          <ns5:Voice>976878787</ns5:Voice>
          <ns5:DialingCode>34</ns5:DialingCode>
          <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
        </ns2:Registrant>
        <ns2:Admin>
          <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="0">A50053081</ns5:Id>
          <ns5:Address>Walqa</ns5:Address>
          <ns5:City>Walqa</ns5:City>
          <ns5:Province>HUESCA</ns5:Province>
          <ns5:PostalCode>22005</ns5:PostalCode>
          <ns5:Country>España</ns5:Country>
          <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
          <ns5:Voice>976878787</ns5:Voice>
          <ns5:DialingCode>34</ns5:DialingCode>
          <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
        </ns2:Admin>
      </ns4:DomainInfoResponse>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```
<ns2:Tech>
  <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
  <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
  <ns5:Type>1</ns5:Type>
  <ns5:Id type="0">A50053081</ns5:Id>
  <ns5:Address>Walqa</ns5:Address>
  <ns5:City>Walqa</ns5:City>
  <ns5:Province>HUESCA</ns5:Province>
  <ns5:PostalCode>22005</ns5:PostalCode>
  <ns5:Country>España</ns5:Country>
  <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
  <ns5:Voice>976878787</ns5:Voice>
  <ns5:DialingCode>34</ns5:DialingCode>
  <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
</ns2:Tech>
<ns2:Tech>
  <ns5:NicHandle>JMA1055-ESNIC-F4</ns5:NicHandle>
  <ns5:Name>Jose Manuel Arce</ns5:Name>
  <ns5:Type>1</ns5:Type>
  <ns5:Id type="1">72031693V</ns5:Id>
  <ns5:Address>Las Marzas, 8 1º Iz</ns5:Address>
  <ns5:City>Santander</ns5:City>
  <ns5:Province>CANTABRIA</ns5:Province>
  <ns5:PostalCode>39007</ns5:PostalCode>
  <ns5:Country>España</ns5:Country>
  <ns5:Email>info@obsesiondigital.com</ns5:Email>
  <ns5:Voice>942036281</ns5:Voice>
  <ns5:DialingCode>34</ns5:DialingCode>
  <ns5:Creation>2007-12-04T00:00:00.000+01:00</ns5:Creation>
  <ns5:LegalForm>1</ns5:LegalForm>
</ns2:Tech>
<ns2:Billing>
  <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
  <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
  <ns5:Type>1</ns5:Type>
  <ns5:Id type="0">A50053081</ns5:Id>
  <ns5:Address>Walqa</ns5:Address>
  <ns5:City>Walqa</ns5:City>
  <ns5:Province>HUESCA</ns5:Province>
  <ns5:PostalCode>22005</ns5:PostalCode>
  <ns5:Country>España</ns5:Country>
  <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
  <ns5:Voice>976878787</ns5:Voice>
  <ns5:DialingCode>34</ns5:DialingCode>
  <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
</ns2:Billing>
<ns2:UsesEsnicHost>>false</ns2:UsesEsnicHost>
<ns2:DnsSecData>
  <ns7:dsData>
    <ns7:keyTag>203</ns7:keyTag>
    <ns7:alg>5</ns7:alg>
    <ns7:digestType>1</ns7:digestType>
    <ns7:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</ns7:digest>
    <ns7:keyData>
      <ns7:flags>203</ns7:flags>
      <ns7:protocol>3</ns7:protocol>
      <ns7:alg>1</ns7:alg>
      <ns7:pubKey>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</ns7:pubKey>
    </ns7:keyData>
  </ns7:dsData>
  <ns7:dsData>
    <ns7:keyTag>204</ns7:keyTag>
    <ns7:alg>5</ns7:alg>
    <ns7:digestType>1</ns7:digestType>
    <ns7:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</ns7:digest>
    <ns7:keyData>
      <ns7:flags>204</ns7:flags>
      <ns7:protocol>3</ns7:protocol>
      <ns7:alg>1</ns7:alg>
      <ns7:pubKey>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</ns7:pubKey>
    </ns7:keyData>
  </ns7:dsData>
</ns2:DnsSecData>
</ns4:DomainInfoResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:17:39.564+01:00</ns4:Timestamp>
```

```
<ns4:ClientID>AR-DOM-INFO-DOMAR-1006</ns4:ClientID>
<ns4:ServerID>1331115459564</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 5.1.4. Domain modification

The DomainUpdateRequest command provides a transformation operation that allows a client to modify the attributes of one or several domain objects.

It will only be necessary to inform the fields that are going to be modified; the system will ignore the fields where no new details are entered, leaving the current value and if the field comes in blank, the aforementioned value will be eliminated (an error may occur if the field is mandatory).

For technical or billing contacts, for example, if there is already a contact linked and we wish to add another contact, **both will have to be entered**; in the event of only entering a contact, **the existing contact will be replaced by the newly entered one**.

The Host list, alternatively, functions in a more complex manner; the data structure also contains one or several IP's of each type (IPv4 or IPV6), whereby all the Hosts that appear on the aforementioned list **will be linked** to the domain, adding them to those already linked to it. If we wish to delete a link, we must include the Host element with the **remove** attribute checked with **true** (see example).

If several Name elements are given, modification will be applied to all the domain objects given. If several domain names are given, its function will depend on the interpretation of the **remove** attribute of the Host element. If several domain names are given, the **remove** attribute is not interpreted; instead the **DeleteHosts** element is evaluated, which, if given as true, will delete the DNS information (servers and master IP) of the domains given. If the DNS data are to be set for a group of domains, all the Host elements to be associated must be given.

If several domain names are given, the DNS servers must already exist.

Modification of the DNSSEC data will not be allowed in modifications affecting more than one domain name.

##### 5.1.4.1. DomainUpdateRequest

The table below contains a list and details of the fields comprising the DomainUpdateRequest object:

- **Name**: Indicates the name of the domain we wish to modify. The domain must exist, be in active status and be under the management of the accredited registrar. More than one Name element may be indicated. The modification will be applied to the domain names given in the Name elements.
- **Autorenew**: Is used to indicate where we want the domain to be renewed automatically or not.
- **TradeMark** and **RegistrationNumber**: They indicate the trademark and the registration number, respectively.



- **Admin:** Indicates the administrative contact of the domain, and it should report a contact (that is an individual) already existing on the SGND.
- **Tech:** Indicates the technical contact of the domain, and it should report a contact (that is an individual) already existing on the SGND. It can report up to 6 elements of this type.
- **Billing:** Indicates the invoicing contact of the domain, and it should report a contact (that is an individual) already existing on the SGND. It can report up to 2 elements of this type.
- **Host:** Indicates the DNS that we wish to link or remove from the domain. If these DNS servers do not exist, they will be registered on the system. If more than one Name element is given, the "remove" attribute will not be evaluated.
- **MasterIPV4** and **MasterIPV6:** If we wish to use the secondary ESNIC server, we have to include at least one of these elements.
- **Phishing:** Indicator of whether the domain has been marked or unmarked as a domain used for phishing.
- **DnsSecData:** Element indicating the records to be added, deleted or if the value of the "maxSigLife" field is to be changed in all DS records.
- **DeleteHosts:** If the DNS data are to be deleted from a group of domains, this field will be set with the value true (otherwise if this is an individual domain request, it will be ignored).

Element	Parent field	Type	Mandatory
DomainUpdateRequest	SgndCommandRequest	DomainUpdateRequest	Mandatory
Name	DomainUpdateRequest	String	Mandatory
Autorenew	DomainUpdateRequest	Boolean	Optional
TradeMark	DomainUpdateRequest	String	Optional
RegistrationNumber	DomainUpdateRequest	String	Optional
Admin	DomainUpdateRequest	String	Optional
Tech	DomainUpdateRequest	String	Optional
Billing	DomainUpdateRequest	String	Optional
Host	DomainUpdateRequest	Host (+remove)	Optional
MasterIPV4	DomainUpdateRequest	String	Optional
MasterIPV6	DomainUpdateRequest	String	Optional
Phishing	DomainUpdateRequest	String	Optional
DnsSecData	DomainUpdateRequest	UpdateType	Optional
DeleteHosts	DomainUpdateRequest	Boolean	Optional

#### 5.1.4.2. DomainUpdateResponse

The table below contains a list and details of the fields comprising the DomainUpdateResponse object:

- **Name:** Indicates the domain name that has been modified.
- **NotIncluded:** If more than one domain name is given, those domains that could not be processed will be listed in this element.

Element	Parent field	Type
DomainUpdateResponse	SgndCommandResponse	DomainUpdateResponse
Name	DomainUpdateResponse	String
NotIncluded	DomainUpdateResponse	NotIncluded

#### 5.1.4.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-dnssec"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainUpdateRequest>
        <sch1:Name>jmx-test-soap-1006.es</sch1:Name>
        <sch1:Tech>JMA1055-ESNIC-F4</sch1:Tech>
        <sch1:Host>
          <sch2:Name>ns1.jmx-test-soap-1006.es</sch2:Name>
          <sch2:IPV4>1.1.1.1</sch2:IPV4>
          <sch2:IPV6>1::1</sch2:IPV6>
        </sch1:Host>
        <sch1:Host>
          <sch2:Name>ns2.jmx-test-soap-1006.es</sch2:Name>
          <sch2:IPV4>2.2.2.2</sch2:IPV4>
        </sch1:Host>
        <sch1:Host>
          <sch2:Name>ns1.mydomain.com</sch2:Name>
        </sch1:Host>
        <sch1:Host>
          <sch2:Name>ns2.mydomain.com</sch2:Name>
        </sch1:Host>
        <sch1:DnsSecData>
          <sch3:rem>
            <sch3:dsData>
              <sch3:keyTag>201</sch3:keyTag>
              <sch3:alg>5</sch3:alg>
              <sch3:digestType>1</sch3:digestType>
              <sch3:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</sch3:digest>
            </sch3:dsData>
            <sch3:dsData>
              <sch3:keyTag>202</sch3:keyTag>
              <sch3:alg>5</sch3:alg>
              <sch3:digestType>1</sch3:digestType>
              <sch3:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</sch3:digest>
            </sch3:dsData>
          </sch3:rem>
        </sch1:DnsSecData>
      </sch:DomainUpdateRequest>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```
<sch3:dsData>
  <sch3:keyTag>204</sch3:keyTag>
  <sch3:alg>5</sch3:alg>
  <sch3:digestType>1</sch3:digestType>
  <sch3:digest>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</sch3:digest>
  <sch3:keyData>
    <sch3:flags>204</sch3:flags>
    <sch3:protocol>3</sch3:protocol>
    <sch3:alg>1</sch3:alg>
</sch3:dsData>
<sch3:pubKey>38EC35D5B3A34B44C39B38EC35D5B3A34B44C39B</sch3:pubKey>
</sch3:keyData>
</sch3:dsData>
</sch3:add>
<sch3:chg>
  <sch3:maxSigLife>456</sch3:maxSigLife>
</sch3:chg>
</sch1:DnsSecData>
</sch:DomainUpdateRequest>
<sch:ClientData>
  <sch:UserID>XXXXXX</sch:UserID>
  <sch:UserPwd>XXXXXX</sch:UserPwd>
  <sch:ClientID>AR-DOM-UP-1006</sch:ClientID>
  <sch:Language>es</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainUpdateResponse>
        <ns2:Name>jmx-test-soap-1006.es</ns2:Name>
      </ns4:DomainUpdateResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:17:44.268+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-DOM-UP-1006</ns4:ClientID>
        <ns4:ServerID>1331115464268</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### **5.1.5. Domain de-registration request**

The DomainDeleteRequest command will provide a transformation operation enabling a client to logically delete one or several domain objects from the ESNIC repository.

If several domain objects are given, all of them must be associated to the same Administrative contact (AC).

#### 5.1.5.1. DomainDeleteRequest

The table below contains a list and details of the fields comprising the DomainDeleteRequest object:

- **Name:** Indicates the domain name we wish to de-register. The domain has to be active and belong to the registrar requesting de-registration. More than one Name element may be given. The Name elements will create a bulk deletion process for all the domains given.

Element	Parent field	Type	Mandatory
DomainDeleteRequest	SgndCommandRequest	DomainDeleteRequest	Mandatory
Name	DomainDeleteRequest	String	Mandatory

#### 5.1.5.2. DomainDeleteResponse

The table below contains a list and details of the fields comprising the DomainDeleteResponse object:

- **Name:** Indicates the domain name or names for which de-registration has been requested.
- **Order:** Information from the request that has been created. If more than one Name element is given, one Order element will be given for each request created.

Element	Parent field	Type
DomainDeleteResponse	SgndCommandResponse	DomainDeleteResponse
Order	DomainDeleteResponse	OrderExtendedInfo
NotIncluded	DomainDeleteResponse	NotIncluded

#### 5.1.5.3. Example

##### XML request sent:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-dnssec"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch11="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainDeleteRequest>
```

```
<sch1:Name>alta-masiva-soap-jac-72-112.es</sch1:Name>
<sch1:Name>alta-masiva-soap-jac-72-12.es</sch1:Name>
<sch1:Name>alta-masiva-soap-jac-72-13.es</sch1:Name>
<sch1:Name>alta-masiva-soap-jac-71-34.es</sch1:Name>
  <sch:DomainDeleteRequest>
    <sch:ClientData>
      <sch:UserID>josear</sch:UserID>
      <sch:UserPwd>josear</sch:UserPwd>
      <sch:ClientID>josear</sch:ClientID>
      <sch:Language>es</sch:Language>
    </sch:ClientData>
  </sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### **XML response received:**

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-invoice"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns13="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas" xmlns:ns5="http://www.nic.es/sgnd/schemas-
      contact" xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-dnssec"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-movement">
      <ns4:DomainDeleteResponse>
        <ns2:Name>alta-masiva-soap-jac-72-112.es</ns2:Name>
        <ns2:Order xsi:type="ns3:OrderExtendedInfo"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <ns3:OrderId>417047</ns3:OrderId>
          <ns3:OrderType>4</ns3:OrderType>
          <ns3:State>BSOL</ns3:State>
          <ns3:StateDescription>Baja Solicitada</ns3:StateDescription>
          <ns3:Creation>2012-06-27T16:49:16.129+02:00</ns3:Creation>
          <ns3:Reference>BD-ES-417047-F5</ns3:Reference>
          <ns3:DomainData>
            <ns2:Name>alta-masiva-soap-jac-72-112.es</ns2:Name>
          </ns3:DomainData>
        <ns2:Order>
          <ns2:NotIncluded>
            <ns2:ErrorCause id="3006">
              <ns2:Name>alta-masiva-soap-jac-72-12.es</ns2:Name>
              <ns2:Name>alta-masiva-soap-jac-72-13.es</ns2:Name>
              <ns2:Name>alta-masiva-soap-jac-71-34.es</ns2:Name>
            </ns2:ErrorCause>
          </ns2:NotIncluded>
        <ns4:DomainDeleteResponse>
          <ns4:ReturnCode>1000</ns4:ReturnCode>
          <ns4:ServerData>
            <ns4:Timestamp>2012-06-27T16:49:18.048+02:00</ns4:Timestamp>
            <ns4:ClientID>josear</ns4:ClientID>
            <ns4:ServerID>1340808558048</ns4:ServerID>
          </ns4:ServerData>
        </ns4:SgndCommandResponse>
      </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

#### **5.1.6. Renewing a domain**

The command `DomainRenewRequest` provides a transformation operation that enables the client to extend the validity period of one or more domain objects by the number of units indicated.

#### 5.1.6.1. DomainRenewRequest

The table below contains a list and details of the fields comprising the DomainRenewRequest object:

- **Name:** Indicates the domain name we wish to renew. The domain has to be active, must belong to the Registrar who requests renewal and must not have requests being processed.

For requests with more than one domain name, the Domain element will contain the information about the domain expiry date and its name. In operations where one Domain element is given, the Name and Expiry elements will be ignored.

Element	Parent field	Type	Mandatory
DomainRenewRequest	SgndCommandRequest	DomainRenewRequest	Mandatory
Name	DomainRenewRequest	String	Optional
Expiration:	DomainRenewRequest	DateTime	Optional
Period	DomainRenewRequest	Long	Optional
TradeAction	DomainRenewRequest	String	Optional
Aux	DomainRenewRequest	String	Optional
Domain	DomainRenewRequest	DomainInfoRenew	Optional

#### 5.1.6.2. DomainRenewResponse

The table below contains a list and details of the fields comprising the DomainRenewResponse object:

- **Name:** Name of domain for which the request has been made.
- **Order:** Information from the request that has been created. If more than one Name element is given, one Order element will be given for each request created.
- **NotIncluded:** If more than one domain name is given, those domains that could not be processed will be listed in this element.

Element	Parent field	Type
DomainDeleteResponse	SgndCommandResponse	DomainDeleteResponse
Order	DomainDeleteResponse	OrderInfoExtended
NotIncluded	DomainDeleteResponse	NotIncluded

#### 5.1.6.3. Example:

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:schl="http://www.nic.es/sgnd/schemas-
```

```
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainRenewRequest>
        <sch1:Name>jmx-test-soap-1006.es</sch1:Name>
        <sch1:Expiration>2013-03-07T11:17:10.000+01:00</sch1:Expiration>
        <sch1:Period>1</sch1:Period>
        <sch1:TradeAction>1009</sch1:TradeAction>
        <sch1:Aux>FIXME</sch1:Aux>
      </sch:DomainRenewRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-DOM-RNEW-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainRenewResponse>
        <ns2:Name>jmx-test-soap-1006.es</ns2:Name>
        <ns2:Order>
          <ns3:OrderId>361375</ns3:OrderId>
          <ns3:OrderType>9</ns3:OrderType>
          <ns3:State>RSOK</ns3:State>
          <ns3:StateDescription>Renovación Confirmada</ns3:StateDescription>
          <ns3:Creation>2012-03-07T11:17:54.859+01:00</ns3:Creation>
          <ns3:Reference>RNV-ES-361375-F5</ns3:Reference>
        </ns2:Order>
      </ns4:DomainRenewResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:17:55.872+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-DOM-RNEW-1006</ns4:ClientID>
        <ns4:ServerID></ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **XML request sent:**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-dnssec"
xmlns:sch4="http://www.nic.es/sgnd/schemas-order"
xmlns:sch5="http://www.nic.es/sgnd/schemas-contact">
```

```

xmlns:sch6="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch7="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch8="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch9="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:schl0="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:schl1="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainRenewRequest>
        <sch1:Domain>
          <sch1:Name>alta-masiva-extranet-jac-36.es</sch1:Name>
          <sch1:Expiration>2014-07-02T00:00:00.000+01:00</sch1:Expiration>
        </sch1:Domain>
        <sch1:Domain>
          <sch1:Name>alta-masiva-extranet-jac-21.es</sch1:Name>
          <sch1:Expiration>2022-07-02T00:00:00.000+01:00</sch1:Expiration>
        </sch1:Domain>
        <sch1:Domain>
          <sch1:Name>alta-masiva-extranet-jac-30.es</sch1:Name>
          <sch1:Expiration>2019-07-02T00:00:00.000+01:00</sch1:Expiration>
        </sch1:Domain>
        <sch1:Domain>
          <sch1:Name>alta-masiva-extranet-jac-35.es</sch1:Name>
          <sch1:Expiration>2020-07-02T00:00:00.000+01:00</sch1:Expiration>
        </sch1:Domain>
        <sch1:Period>1</sch1:Period>
        <sch1:Aux>Aux</sch1:Aux>
      </sch:DomainRenewRequest>
      <sch:ClientData>
        <sch:UserID>XXXX</sch:UserID>
        <sch:UserPwd>XXXX</sch:UserPwd>
        <sch:ClientID>1340810351686</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## **XML response received:**

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-invoice"
xmlns:ns11="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns12="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns13="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas" xmlns:ns5="http://www.nic.es/sgnd/schemas-
contact" xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-dnssec"
xmlns:ns8="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns9="http://www.nic.es/sgnd/schemas-movement">
      <ns4:DomainRenewResponse>
        <ns2:Name>alta-masiva-extranet-jac-36.es</ns2:Name>
        <ns2:Order xsi:type="ns3:OrderExtendedInfo"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <ns3:OrderId>417049</ns3:OrderId>
          <ns3:OrderType>9</ns3:OrderType>
          <ns3:State>RSOK</ns3:State>
          <ns3:StateDescription>Renovación Confirmada</ns3:StateDescription>
          <ns3:Creation>2012-06-27T17:19:10.453+02:00</ns3:Creation>
          <ns3:Reference>RNV-ES-417049-F5</ns3:Reference>
          <ns3:DomainData>
            <ns2:Name>alta-masiva-extranet-jac-36.es</ns2:Name>
          </ns3:DomainData>
        </ns2:Order>
        <ns2:NotIncluded>
          <ns2:ErrorCause id="3017">
            <ns2:Name>alta-masiva-extranet-jac-30.es</ns2:Name>
            <ns2:Name>alta-masiva-extranet-jac-35.es</ns2:Name>
          </ns2:ErrorCause>
          <ns2:ErrorCause id="3015">
            <ns2:Name>alta-masiva-extranet-jac-21.es</ns2:Name>

```



```
</ns2:ErrorCause>
</ns2:NotIncluded>
<ns4:DomainRenewResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-06-27T17:19:11.686+02:00</ns4:Timestamp>
  <ns4:ClientID>XXXXX</ns4:ClientID>
  <ns4:ServerID>1340810351686</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.1.7. Domain Transfer or Transmission

This operation generates a domain **transfer** or **transmission** request on the system either **from** the account of the registrar of the same and which the administrative contact for the domain must approve or cancel to complete the transaction.

Bear in mind that if the administrative contact initiates the transmission the domains to be **transferred** must belong to the same holder and also to the same administrative contact. In the case of the **transfer**, all the domains belonging to same administrative contact will be grouped together, rejecting the rest.

#### 5.1.7.1. DomainTransferRequest

The table below contains a detailed list of the fields comprising the DomainTransferRequest object:

- **Name:** Indicates the domain name we wish to transfer or transmit. The domain has to be active, must **belong** to the registrar who requests the **transfer** and must not have requests being processed. In the case of **transfers**, it is **not necessary for the domain to belong** to the registrar. We will use the **autorenew** (true or false) attribute in the case of **transfers**. It may appear more than once, up to a maximum configured on the application; in the event of surpassing that maximum, an error message will be generated alerting the user.
- **Role:** The role the Registrar assumes when lodging the request; it can have the values:
  - **owner:** *Manager* → We are requesting a **transmission** request given that the domain is ours.
  - **Applicant:** *Applicant* → We are requesting a **transfer** given that we are not the domain managers.
- **BehaveOf:** Indicates on behalf of whom we are carrying out the transmission; the possible values are:
  - **registrant:** On behalf of the holder
  - **admin:** On behalf of the AC
  - **applicant:** On behalf of an applicant < i.e., **a special domain transmission is initiated**.
- **Applicant:** Indicates the applicant user in the case of a special transmission (Role = applicant)
- **Registrant:** Indicates the holder to whom the domain will be linked once transmitted.

- **Admin:** Indicates the administrative contact to whom the domain will be linked once transmitted.
- **Tech:** Indicates the technical contact to whom the domain will be linked once transmitted. It can report up to 6 elements of this type. Valid and mandatory only for special transmissions (Role = applicant).
- **Billing:** Indicates the billing to whom the domain will be linked once transmitted. It can report up to 2 elements of this type. Valid and mandatory only for special transmissions (Role = applicant).
- **KeepCurrentHosts:** Indicates whether the current hosts have to be conserved. Valid and mandatory only for special transmissions (Role = applicant).
- **Host:** DNS servers to be linked with the domain once transmitted. **KeepCurrentHosts** must not be entered or must be **false**. It can appear up to 7 times. Valid only for special transmissions (Role = applicant).
- **MasterIPV4** and **MasterIPV6:** Master IP in IPV4 or IPV6 format, respectively, which will be linked to the domain (it will go on to use the ESNIC secondary). Valid only for special transmissions (Role = applicant).
- **Attachment:** File accrediting the applicant to perform the special transmission. Valid and mandatory only for special transmissions (Role = applicant). In the **FileName** attribute, the original name of the file will be entered.

Element	Parent field	Type	Mandatory
DomainTransferRequest	SgndCommandRequest	DomainTransferRequest	Mandatory
Name	DomainTransferRequest	String (+autorenew)	Mandatory
Role	DomainTransferRequest	String	Mandatory
BehaveOf	DomainTransferRequest	String	Optional
Applicant	DomainTransferRequest	String	Optional
Registrant	DomainTransferRequest	String	Optional
Admin	DomainTransferRequest	String	Optional
Tech	DomainTransferRequest	String	Optional
Billing	DomainTransferRequest	String	Optional
KeepCurrentHosts	DomainTransferRequest	Boolean	Optional
Host	DomainTransferRequest	Host	Optional
MasterIPV4	DomainTransferRequest	String	Optional
MasterIPV6	DomainTransferRequest	String	Optional
Attachment	DomainTransferRequest	Base64Binary (+FileName)	Optional

#### 5.1.7.2. DomainTransferResponse

The [Error codes in bulk processes](#) section shows the list of errors that may result while processing of several domains at the same time.

The table below contains a list and details of the fields comprising the DomainTransferResponse object:

- **Order:** Information from the request that has been created.
- **NotIncluded:** List causes of errors and domain names that have not been processed for each of the causes.

Element	Parent field	Type
DomainTransferResponse	SgndCommandResponse	DomainTransferResponse
Order	DomainTransferResponse	OrderInfo
NotIncluded	DomainTransferResponse	NotIncluded

### 5.1.7.3. Example transfer

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainTransferRequest>
        <sch1:Name AutoRenew="S">jmx-test-soap-pj-1006.es</sch1:Name>
        <sch1:Name AutoRenew="S">jmx-test-soap--2dns-1006.es</sch1:Name>
        <sch1:Name AutoRenew="S">jmx-test-soap-res-1006.es</sch1:Name>
        <sch1:Role>applicant</sch1:Role>
      </sch:DomainTransferRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-DOM-TRANF-MAS-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain">
```

```

xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
  <ns4:DomainTransferResponse>
    <ns2:Order>
      <ns3:OrderId>361377</ns3:OrderId>
      <ns3:OrderType>8</ns3:OrderType>
      <ns3:State>TSOL</ns3:State>
      <ns3:StateDescription>Transferencia Solicitada
      </ns3:StateDescription>
      <ns3:Creation>2012-03-07T11:17:58.910+01:00</ns3:Creation>
      <ns3:Reference>TD-ES-361377-F5</ns3:Reference>
    </ns2:Order>
    <ns2:NotIncluded>
      <ns2:ErrorCause id="3002">
        <ns2:Name>jmx-test-soap-res-1006.es</ns2:Name>
      </ns2:ErrorCause>
    </ns2:NotIncluded>
  </ns4:DomainTransferResponse>
  <ns4:ReturnCode>1000</ns4:ReturnCode>
  <ns4:ServerData>
    <ns4:Timestamp>2012-03-07T11:18:00.134+01:00</ns4:Timestamp>
    <ns4:ClientID>AR-DOM-TRANF-MAS-1006</ns4:ClientID>
    <ns4:ServerID>1331115480134</ns4:ServerID>
  </ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

#### 5.1.7.4. Example regular transmission

##### XML request sent:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainTransferRequest>
        <sch1:Name>jmx-test-soap-auto-1006.es</sch1:Name>
        <sch1:Name>jmx-test-soap--ldns-1006.es</sch1:Name>
        <sch1:Role>owner</sch1:Role>
        <sch1:BehaveOf>admin</sch1:BehaveOf>
        <sch1:Registrant>JMA1055-ESNIC-F4</sch1:Registrant>
        <sch1:Admin>JMA1055-ESNIC-F4</sch1:Admin>
      </sch:DomainTransferRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-DOM-TRANS-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainTransferResponse>
        <ns2:Order>
          <ns3:OrderId>361378</ns3:OrderId>
          <ns3:OrderType>6</ns3:OrderType>
          <ns3:State>TNGST</ns3:State>
          <ns3:StateDescription>Transfer pending approval by current Registrar
          </ns3:StateDescription>
          <ns3:Creation>2012-03-07T11:18:00.389+01:00</ns3:Creation>
          <ns3:Reference>TN-361378-F5</ns3:Reference>
        </ns2:Order>
      </ns4:DomainTransferResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:02.433+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-DOM-TRANS-1006</ns4:ClientID>
        <ns4:ServerID>1331115482433</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **5.1.7.5. Example special transmission**

## **XML request sent:**

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainTransferRequest>
        <sch1:Name>jmx-test-soap-2pct-1006.es</sch1:Name>
        <sch1:Name>jmx-test-soap-2pcf-1006.es</sch1:Name>
        <sch1:Role>owner</sch1:Role>
        <sch1:BehaveOf>applicant</sch1:BehaveOf>
        <sch1:Applicant>JMA1045-ESNIC-F4</sch1:Applicant>
        <sch1:Registrant>JMA1055-ESNIC-F4</sch1:Registrant>
        <sch1:Admin>JMA1055-ESNIC-F4</sch1:Admin>
        <sch1:Tech>JMA1055-ESNIC-F4</sch1:Tech>
        <sch1:Billing>JMA1055-ESNIC-F4</sch1:Billing>
        <sch1:KeepCurrentHosts>false</sch1:KeepCurrentHosts>
        <sch1:Host>
          <sch2:Name>ns1.mydomain.com</sch2:Name>
          <sch2:IPV4>1.1.1.1</sch2:IPV4>
        </sch1:Host>
      </sch:DomainTransferRequest>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```
<sch2:IPv6>1::1</sch2:IPv6>
<sch1:Host>
<sch1:MasterIPv4>1.1.1.1</sch1:MasterIPv4>
<sch1:MasterIPv6>1::1</sch1:MasterIPv6>
<sch1:Attachment
FileName="documento.txt">RXMgZG9jdWllbnRvIGRlYmVy7WEgY29udGVuZXIgbG9zIHBBvZGVyZXMGcXVlIGV
sIEFSIHJlY2li
ZSBwYXJhIHJlYXpemFyIGxhIHRyYW5zbWlzaFNUIGVzcGVjaWFs</sch1:Attachment>
</sch:DomainTransferRequest>
<sch:ClientData>
<sch:UserID>XXXXXX</sch:UserID>
<sch:UserPwd>XXXXXX</sch:UserPwd>
<sch:ClientID>AR-DOM-TRANS-ESP-1006</sch:ClientID>
<sch:Language>es</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

## **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainTransferResponse>
        <ns2:Order>
          <ns3:OrderId>361379</ns3:OrderId>
          <ns3:OrderType>6</ns3:OrderType>
          <ns3:State>TNSOL</ns3:State>
          <ns3:StateDescription>Transmission requested</ns3:StateDescription>
          <ns3:Creation>2012-03-07T11:18:02.679+01:00</ns3:Creation>
          <ns3:Reference>TNE-361379-F5</ns3:Reference>
        </ns2:Order>
      </ns4:DomainTransferResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:05.218+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-DOM-TRANS-ESP-1006</ns4:ClientID>
        <ns4:ServerID>1331115485218</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **5.1.8. Verify domain management**

This operation enables the registrar to make a simple query and learn whether or not it is manager of a specific domain.

### 5.1.8.1. DomainManagementRequest

The table below contains a list and details of the fields comprising the DomainManagementRequest object:

- **Name:** Indicates the domain name we wish to consult.

Element	Parent field	Type	Mandatory
DomainManagementRequest	SgndCommandRequest	DomainManagementRequest	Mandatory
Name	DomainManagementRequest	String	Mandatory

### 5.1.8.2. DomainManagementResponse

The table below contains a list and details of the fields comprising the DomainManagementResponse object:

- **Name:** Indicates the domain name that has been consulted.
- **Manages:** Indicates if the registrar manages the domain object of the consultation.

Element	Parent field	Type
DomainManagementResponse	SgndCommandResponse	DomainManagementResponse
Name	DomainManagementResponse	String
Manages	DomainManagementResponse	Boolean

### 5.1.8.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:DomainMangementRequest>
        <sch1:Name>red.es</sch1:Name>
      <sch:DomainMangementRequest>
        <sch:ClientData>
          <sch:UserID>XXXXXX</sch:UserID>
          <sch:UserPwd>XXXXXX</sch:UserPwd>
          <sch:ClientID>AR-145162</sch:ClientID>
          <sch:Language>es</sch:Language>
        </sch:ClientData>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas" xmlns:ns5="http://www.nic.es/sgnd/schemas-
contact" xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:DomainMangementResponse>
        <ns2:Name>red.es</ns2:Name>
        <ns2:Manages>false</ns2:Manages>
        <ns4:DomainMangementResponse>
          <ns4:ReturnCode>1000</ns4:ReturnCode>
          <ns4:ServerData>
            <ns4:Timestamp>2012-03-08T16:47:26.979+01:00</ns4:Timestamp>
            <ns4:ClientID>ar-145162</ns4:ClientID>
            <ns4:ServerID>1331221646980</ns4:ServerID>
          </ns4:ServerData>
        </ns4:SgndCommandResponse>
      </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

## 5.2. Host servers

The operations linked with the **host** entity are shown in the following table:

Operation	Description
HostInfoRequest	Obtains information about the host specified in the input data.
HostCheckRequest	Verified the existence of the host specified in the input data.
HostCreateRequest	Creates a new host in ESNIC with the data provided in the input message defined below.
HostUpdateRequest	Modifies a host belonging to the Accredited Registrar with the data sent in the request.

### 5.2.1. Server availability query

The HostCheckRequest command checks whether or not a hostname is registered in the ESNIC database, that is, it checks its availability for registration, by means of the "exists" attribute, which can adopt the values "true" – indicating that the hostname is already registered in the ESNIC database- or "false" if it is not.

#### 5.2.1.1. HostCheckRequest

The table below contains a list and details of the fields comprising the HostCheckRequest object:

- **Name:** Indicates the Host name we wish to consult. There may be several consecutive elements.



Element	Parent field	Type	Mandatory
HostCheckRequest	SgndCommandRequest	HostCheckRequest	Mandatory
Name	HostCheckRequest	String	Mandatory

### 5.2.1.2. HostCheckResponse

The table below contains a list and details of the fields comprising the HostCheckResponse object:

- Name:** Indicates the server name that has been consulted. The *exists* attribute will be **true** if the Host already exists on the system, otherwise it will be **false**.

Element	Parent field	Type
HostCheckResponse	SgndCommandResponse	HostCheckResponse
Name	HostCheckResponse	String (+exists)

### 5.2.1.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host" xmlns:sch3="http://www.nic.es/sgnd/schemas-order">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:HostCheckRequest>
        <sch2:Name>ns1.mydomain.com</sch2:Name>
        <sch2:Name>ns2.mydomain.com</sch2:Name>
      </sch:HostCheckRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-HOST-CHEK-1006</sch:ClientID>
        <sch:Language>en</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas">
```

```

    xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
    xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
    xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
<ns4:HostCheckResponse>
  <ns6:Name exist="true">ns1.mydomain.com</ns6:Name>
  <ns6:Name exist="true">ns2.mydomain.com</ns6:Name>
</ns4:HostCheckResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:36.849+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-HOST-CHEK-1006</ns4:ClientID>
  <ns4:ServerID>1331115516849</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

### 5.2.2. Server information

The HostInfoResponse command returns all the information linked with a host object provided in the input message.

#### 5.2.2.1. HostInfoRequest

The table below contains a list and details of the fields comprising the HostInfoRequest object:

- **Name:** Indicates the Host name we wish to consult. There may be several consecutive elements.

Element	Parent field	Type	Mandatory
HostInfoRequest	SgndCommandRequest	HostInfoRequest	Mandatory
Name	HostInfoRequest	String	Mandatory

#### 5.2.2.2. HostInfoResponse

The table below contains a list and details of the fields comprising the HostInfoResponse object:

- **Host:** Host/type element with information about the Host consulted (name and IPs, both IPV4 and IPV6).

Element	Parent field	Type
HostInfoResponse	SgndCommandResponse	HostInfoResponse
Host	HostInfoResponse	Host

#### 5.2.2.3. Example

### **XML request sent:**

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:HostInfoRequest>
        <sch2:Name>ns1.jmx-test-soap-1006.es</sch2:Name>
      </sch:HostInfoRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-HOST-INFO-CONIP-1006</sch:ClientID>
        <sch:Language>en</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:HostInfoResponse>
        <ns6:Host>
          <ns6:Name>ns1.jmx-test-soap-1006.es</ns6:Name>
          <ns6:IPV6>1::1</ns6:IPV6>
        </ns6:Host>
      </ns4:HostInfoResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:40.471+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-HOST-INFO-CONIP-1006</ns4:ClientID>
        <ns4:ServerID>1331115520471</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **5.2.3. Server creation**

The HostCreateRequest command is used to register a new DNS host in the ESNIC database.

If the host to be created is based on a root domain belonging to the .ES zone, the application will register this with the IP addresses given in the IPV4> e <IPV6> elements. However, if the host to be created is outside the .ES zone, the application will ignore the IP addresses provided, registering the host without it. As a general rule, the IPs provided on the service request will only be stored if the server needs to generate DNS glue records.

### 5.2.3.1. HostCreateRequest

The table below contains a list and details of the fields comprising the HostCreateRequest object:

- **Host:** Indicates the data of the host we wish to create.
  - **Name:** Name of the host to be created.
  - **IPV4:** IP in IPV4 to be assigned to the Host. There is the option of not entering any details and there is no limit to the number of times this element may occur.
  - **IPV6:** IP in IPV6 to be assigned to the Host. There is the option of not entering any details and there is no limit to the number of times this element may occur.

Element	Parent field	Type	Mandatory
HostCreateRequest	SgndCommandRequest	HostCreateRequest	Mandatory
Host	HostCreateRequest	Host	Mandatory
Name	Host	String	Mandatory
IPV4	Host	String	Optional
IPV6	Host	String	Optional

### 5.2.3.2. HostCreateResponse

The table below contains a list and details of the fields comprising the HostCreateResponse object:

- **Host:** Host/type element with information about the Host created (name and IPs, both IPV4 and IPV6).
- **Creation:** Host creation date

Element	Parent field	Type
HostCreateReponse	SgndCommandResponse	HostCreateReponse
Host	HostCreateReponse	Host
Creation	HostCreateReponse	DateTime

### 5.2.3.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
```

```
<sch:HostCreateRequest>
  <sch2:Host>
    <sch2:Name>ns3.jmx-test-soap-1006.es</sch2:Name>
    <sch2:IPv4>1.1.1.1</sch2:IPv4>
    <sch2:IPv6>1::1</sch2:IPv6>
  </sch2:Host>
</sch:HostCreateRequest>
<sch:ClientData>
  <sch:UserID>XXXXXX</sch:UserID>
  <sch:UserPwd>XXXXXX</sch:UserPwd>
  <sch:ClientID>AR-HOST-CREA-1006</sch:ClientID>
  <sch:Language>en</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:HostCreateResponse>
        <ns6:Host>
          <ns6:Name>ns3.jmx-test-soap-1006.es</ns6:Name>
          <ns6:IPv4>1.1.1.1</ns6:IPv4>
          <ns6:IPv6>1::1</ns6:IPv6>
        </ns6:Host>
        <ns6:Creation>2012-03-07T11:18:37.958+01:00</ns6:Creation>
      </ns4:HostCreateResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:38.171+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-HOST-CREA-1006</ns4:ClientID>
        <ns4:ServerID>1331115518171</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## **5.2.4. Server modification**

The HostUpdateRequest command will replace the elements linked with a host object previously registered on the ESNIC database with those provided in the service message.

When a HostUpdateRequest command on a host object is sent, the application will check whether the registrar making the request is the manager of the corresponding root domain. If so the *update* request is processed; otherwise an authorisation error is returned.

It should be noted that a HostUpdateRequest command cannot be executed on hosts outside the .ES zone as the application is unable to determine if the registrar making the request has management permission over the root domain and also because these have no linked IP addresses. The IP addresses to which the aforementioned

host is resolved will depend on the data from the name servers linked to the root domain in the corresponding register.

As in previous cases, the modification will consist of sending the final appearance we want for the Host element in question in the application; i.e., if we wish to add a new IPV4, we will send the list of current IPV4, filled out with the new IPV4 to be added; if we wish to delete an IPV4, we will send the current list without the IPV4 we wish to delete. The same occurs with the IPV6 elements.

#### 5.2.4.1. HostUpdateRequest

The table below contains a list and details of the fields comprising the HostUpdateRequest object:

- **Host:** Indicates the host data to be modified.
  - **Name:** Name of the host to be created.
  - **IPV4:** IP in IPV4 to be assigned to the Host. There is the option of not entering any details and there is no limit to the number of times this element may occur.
  - **IPV6:** IP in IPV6 to be assigned to the Host. There is the option of not entering any details and there is no limit to the number of times this element may occur.

Element	Parent field	Type	Mandatory
HostUpdateRequest	SgndCommandRequest	HostUpdateRequest	Mandatory
Host	HostUpdateRequest	Host	Mandatory
Name	Host	String	Mandatory
IPV4	Host	String	Optional
IPV6	Host	String	Optional

#### 5.2.4.2. HostUpdateResponse

The table below contains a list and details of the fields comprising the HostUpdateResponse object:

- **Host:** Host/type element with information about the Host modified (name and IPs, both IPV4 and IPV6).

Element	Parent field	Type
HostUpdateResponse	SgndCommandResponse	HostUpdateResponse
Host	HostUpdateResponse	Host

#### 5.2.4.3. Example

##### XML request sent:

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

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:HostUpdateRequest>
        <sch2:Host>
          <sch2:Name>ns1.jmx-test-soap-1006.es</sch2:Name>
          <sch2:IPv6>1::1</sch2:IPv6>
        </sch2:Host>
      </sch:HostUpdateRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-HOST-UP-1006</sch:ClientID>
        <sch:Language>en</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
  
```

### **XML response received:**

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:HostUpdateResponse>
        <ns6:Host>
          <ns6:Name>ns1.jmx-test-soap-1006.es</ns6:Name>
          <ns6:IPv6>1::1</ns6:IPv6>
        </ns6:Host>
      </ns4:HostUpdateResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:39.743+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-HOST-UP-1006</ns4:ClientID>
        <ns4:ServerID>1331115519743</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
  
```

### 5.3. Contact

The operations linked with the **contact** entity are shown in the following table:

Operation	Description
ContactCreateRequest	Creates (registers) a new contact on ESNIC with the data provided in the input message defined below.
ContactCheckRequest	Checks whether a contact identifier already exists on the system.
ContactInfoRequest	Obtains information for a contact given in the input request. All, if it is the contact belonging to the accredited registrar, or filtered in the event that the contact is not of its domain.
ContactUpdateRequest	Modifies a contact that is under the management of the accredited registrar.

Pursuant to these local legal policies, ESNIC divides the contacts in its database into two groups according to the value of the *Type* element in a contact registration request (*ContactCreateRequest*): Contacts classed as "individuals" (registered under the name of an individual) and contacts classed as "legal entities" (registered in the name of organisations or collective entities of any kind).

As indicated above, the SGND has no protocol level data collection and revelation policies in its SOAP module, although these tasks do in fact exist. These policies are managed directly at the application level according to ESNIC legal requirements, pursuant to the General Data Protection Regulation (EU) 2016/679 of the European Parliament and the Council of 27 April 2016. Elements deemed unsuitable for publication are returned to the server as an empty string. This means that, in accordance with the aforementioned legal requirements, some elements of the outgoing *ContactInfoRequest* request message are empty.

#### 5.3.1. Contact availability query

The *ContactCheckRequest* command checks whether a series of contacts can be registered, i.e., if the contacts already exist in ESNIC, using the *exists* attribute of the *<NicHandle>* element, that can be *"true"*, indicating that the contact does not exist in ESNIC and can therefore be registered, or *"false"*, indicating that the contact already exists in the database and therefore cannot be registered.

##### 5.3.1.1. ContactCheckRequest

The table below contains a list and details of the fields comprising the *ContactCheckRequest* object:

- **NicHandle:** Identifier of the contact for which we wish to check availability. This element may be repeated, without there being a maximum number of occurrences.

Element	Parent field	Type	Mandatory
ContactCheckRequest	SgndCommandRequest	ContactCheckRequest	Mandatory
NicHandle	ContactCheckRequest	String	Mandatory



### 5.3.1.2. ContactCheckResponse

The table below contains a list and details of the fields comprising the ContactCheckResponse object:

- **NicHandle:** Identifier of the contact inquired about. The *exists* attribute will indicate whether the aforementioned identifier already exists on the system (**true**), or not (**false**).

Element	Parent field	Type
ContactCheckResponse	SgndCommandResponse	ContactCheckResponse
NicHandle	ContactCheckResponse	String (+exists)

### 5.3.1.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-messageInbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ContactCheckRequest>
        <sch4:NicHandle>4CF03-ESNIC-F5</sch4:NicHandle>
        <sch4:NicHandle>4CF04-ESNIC-F5</sch4:NicHandle>
        <sch:ContactCheckRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-CONT-CHEK-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:ContactCheckRequest>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:ContactCheckResponse>
        <ns5:NicHandle exist="true">4CF03-ESNIC-F5</ns5:NicHandle>
        <ns5:NicHandle exist="true">4CF04-ESNIC-F5</ns5:NicHandle>
        <ns4:ContactCheckResponse>
          <ns4:ReturnCode>1000</ns4:ReturnCode>
          <ns4:ServerData>
            <ns4:Timestamp>2012-03-07T11:18:12.301+01:00</ns4:Timestamp>
```

```
<ns4:ClientID>AR-CONT-CHEK-1006</ns4:ClientID>
<ns4:ServerID>1331115492301</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.3.2. Contact creation

The `ContactCreateRequest` command creates (registers) a new contact object in ESNIC using the data provided in the service message.

Pursuant to the aforementioned local legal policies, ESNIC divides the contacts in its database into two groups according to the value of the `Type` element in a contact registration request (`ContactCreateRequest`):

- "Individual" contacts: Those contacts registered in the name of an individual or natural person, i.e., real people who can acquire rights and obligations. They correspond to contacts in which the `<LegalForm>` registration request value is 1.
- "Legal entity" contacts: Those registered contacts that are organisations or legal entities, i.e., collective entities that can acquire rights and obligations, although in a limited way, as companies, associations, government agencies, etc. They correspond to the contacts in which the value of the element `<LegalForm>` of the registration request is any of those indicated in the table provided in section 7.3, except 1.

This is an important distinction to bear in mind because under ESNIC regulations all contacts linked with a domain must be "individuals", i.e., registered in the name of the private or natural person, while the contact linked with the holder of the domain can be either an "individual" or "legal entity", depending on the nature of the same. Therefore, when linking an administrative contact with a domain, either at the time of registration (`DomainCreateRequest`) or when updating data (`DomainUpdateRequest`), the application will check whether the contact is an "individual", and if not, will return an error plus the charstring "The AC must be an individual".

#### 5.3.2.1. ContactCreateRequest

The table below contains a list and details of the fields comprising the `ContactCreateRequest` object:

- **Name:** Indicates the full name of the contact holder to be created.
- **Type:** Indicates whether the contact to be created is an "individual" (1) or alternatively, we are registering a "legal person" (2).
- **Id:** indicates the personal or physical identification number of the contact holder (DNI, NIF, passport, company registration number, etc.), a detail required by local legal policies to carry out contact registration. This element is mandatory, and cannot be empty. Furthermore, the application will verify the format of the number entered in this element, whether the type of document corresponds to a DNI, NIF or a NIE (identified in the `type` attribute by values 1 and 3). The `type` attribute indicates the identification number to which the number entered in `<Id>` belongs, in keeping with three preset types, which furthermore will determine

whether the application should verify the format of the aforementioned number. Both element and attribute are compulsory; they cannot be nil, the values that *type* can take are the following:

- 0: Corresponds to the generic "Other Identification" type of ID number. It is used for any type of identification number other than Spanish NIF or NIE, i.e., passport, foreign ID documents, company registration numbers, driving licences, etc. If *type* has the value of 0 the application will not check the data format provided in *<Id>*.
  - 1: Corresponds to the "DNI-NIF" type of ID number (Spanish personal/tax identity number). If *type* is 1, the application will verify that the format of the data entered in *<Id>* is correct. NIFs are already recognised and consist of a control letter plus a string of 8 numbers. Previous CIF documents (Spanish tax identity code) are included in the NIF type.
  - 3: Corresponds to the "NIE" type of ID number (Spanish foreign resident number). As in the previous case, if *type* is 3, the application will verify that the format of the data entered in *<Id>* is correct.
  - 4: Corresponds to the "VAT" type of ID number (tax number). Only valid for non Spanish legal entities.
- **Address:** The domicile that will be assigned to the contact.
  - **City:** The city where the contact resides.
  - **Province:** Province or State that will be linked to the contact.
  - **PostalCode:** Post or ZIP code which has to be entered in the contact object. If the *<Country>* element is Spain, the post code will be validated and it must be a number between 1000 and 52999, otherwise an error is produced.
  - **Country:** Code of the country to which the contact belongs. This code must coincide with the two-letter acronym of the aforementioned country given in the ISO-3166-1 Alpha-2 list. The application checks the data given in this element, returning an error if it cannot be found in the list. The code for each country can be found in section 7.2 "[Appendix II: ISO-3166-1 Alpha-2 Country Acronyms](#)".
  - **Email:** Indicates the email address of the contact holder. The application checks that both the semantics and syntax of the address is valid and that the extension of the corresponding domain is included in IANA's list of valid TLDs, This list is available at <http://data.iana.org/TLD/tlds-alpha-by-domain.txt>.
  - **Voice:** Indicates the contact holder's telephone number. Excluding the country prefix.
  - **DialingCode:** Will transport the country prefix that needs to be dialled before the telephone number. (I.e. +34 for Spain)
  - **LegalForm:** Indicates the code of the contact holder's legal form according to the corresponding values indicated in the legal forms table located in section 7.3 "[Appendix III: Legal Form Codes](#)"; it is optional and does not need to be entered in the service request, in which case the contact will be created by default as "individual"; its value classifies the contact created into two large groups, depending on the legal form of its holder:

- "Individual" contacts: Those contacts registered in the name of private individuals, i.e., real people who can acquire rights and obligations. They correspond to contacts in which the <LegalForm> registration request value is "1".
- "Legal entity" contacts: Those registered contacts that are organisations or legal entities, i.e., collective entities that can acquire rights and obligations, although in a limited way, as companies, associations, government agencies, etc. They correspond to the contacts in which the value of the element <LegalForm> of the registration request is any of those indicated in the table provided in section 7.3, exception 1 (corresponding to individual).

Element	Parent field	Type	Mandatory
ContactCreateRequest	SgndCommandRequest	ContactCreateRequest	Mandatory
Name	ContactCreateRequest	String	Mandatory
Type	ContactCreateRequest	Integer	Mandatory
Id	ContactCreateRequest	String (+type)	Mandatory
Address	ContactCreateRequest	String	Mandatory
City	ContactCreateRequest	String	Mandatory
Province	ContactCreateRequest	String	Mandatory
PostalCode	ContactCreateRequest	String	Mandatory
Country	ContactCreateRequest	String	Mandatory
E-mail	ContactCreateRequest	String	Mandatory
Voice	ContactCreateRequest	String	Mandatory
DialingCode	ContactCreateRequest	String	Mandatory
LegalForm	ContactCreateRequest	Integer	Mandatory

### 5.3.2.2. ContactCreateResponse

The table below contains a list and details of the fields comprising the ContactCreateResponse object:

- **NicHandle:** Identifier of the contact created. The system will have automatically generated this identifier and it will have been assigned to the contact.
- **Creation:** Date and time the contact was created on the SGND system.
- **Others:** These are the fields and values entered the contact creation request.

Element	Parent field	Type
ContactCreateResponse	SgndCommandResponse	ContactCreateResponse
NicHandle	ContactCreateResponse	String
Name	ContactCreateResponse	String

Type	ContactCreateResponse	Integer
Id	ContactCreateResponse	String (+type)
Address	ContactCreateResponse	String
City	ContactCreateResponse	String
Province	ContactCreateResponse	String
PostalCode	ContactCreateResponse	String
Country	ContactCreateResponse	String
E-mail	ContactCreateResponse	String
Voice	ContactCreateResponse	String
DialingCode	ContactCreateResponse	String
Creation	ContactCreateResponse	DateTime
LegalForm	ContactCreateResponse	Integer

### 5.3.2.3. Example "individual" contact registration request

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ContactCreateRequest>
        <sch4:Name>Contacto Soap Persona Fisica</sch4:Name>
        <sch4:Type>1</sch4:Type>
        <sch4:Id type="1">12345678Z</sch4:Id>
        <sch4:Address>Ejemplo Domicilio Contacto</sch4:Address>
        <sch4:City>Madrid</sch4:City>
        <sch4:Province>Madrid</sch4:Province>
        <sch4:PostalCode>28002</sch4:PostalCode>
        <sch4:Country>ES</sch4:Country>
        <sch4:Email>pruebas deloitte@red.es</sch4:Email>
        <sch4:Voice>976000000</sch4:Voice>
        <sch4:DialingCode>34</sch4:DialingCode>
        <sch4:LegalForm>1</sch4:LegalForm>
      </sch:ContactCreateRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-CONT-CREA-PF-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate">
```

```

        xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
        xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
        xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
        xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
        xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
<ns4:ContactCreateResponse>
    <ns5:NicHandle>4CF03-ESNIC-F5</ns5:NicHandle>
    <ns5:Name>Contacto Soap Persona Fisica</ns5:Name>
    <ns5:Type>1</ns5:Type>
    <ns5:Id type="1">12345678Z</ns5:Id>
    <ns5:Address>Ejemplo Domicilio Contacto</ns5:Address>
    <ns5:City>Madrid</ns5:City>
    <ns5:Province>Madrid</ns5:Province>
    <ns5:PostalCode>28002</ns5:PostalCode>
    <ns5:Country>ES</ns5:Country>
    <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
    <ns5:Voice>976000000</ns5:Voice>
    <ns5:DialingCode>34</ns5:DialingCode>
    <ns5:Creation>2012-03-07T00:00:00.000+01:00</ns5:Creation>
    <ns5:LegalForm>1</ns5:LegalForm>
</ns4:ContactCreateResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
    <ns4:Timestamp>2012-03-07T11:18:07.492+01:00</ns4:Timestamp>
    <ns4:ClientID>AR-CONT-CREA-PF-1006</ns4:ClientID>
    <ns4:ServerID>1331115487493</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

### 5.3.2.4. Example "legal entity" contact registration request

#### XML request sent:

```

<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ContactCreateRequest>
        <sch4:Name>Contacto Soap Persona Jurídica</sch4:Name>
        <sch4:Type>2</sch4:Type>
        <sch4:Id type="0">12345678Z</sch4:Id>
        <sch4:Address>Ejemplo Domicilio Persona Juridica</sch4:Address>
        <sch4:City>Madrid</sch4:City>
        <sch4:Province>Madrid</sch4:Province>
        <sch4:PostalCode>28002</sch4:PostalCode>
        <sch4:Country>ES</sch4:Country>
        <sch4:Email>pruebas_deloitte@red.es</sch4:Email>
        <sch4:Voice>976000000</sch4:Voice>
        <sch4:DialingCode>34</sch4:DialingCode>
        <sch4:LegalForm>877</sch4:LegalForm>
      </sch:ContactCreateRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-CONT-CREA-PJ-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:ContactCreateResponse>
        <ns5:NicHandle>4CF04-ESNIC-F5</ns5:NicHandle>
        <ns5:Name>Contacto Soap Persona Jurídica</ns5:Name>
        <ns5:Type>2</ns5:Type>
        <ns5:Id type="0">12345678Z</ns5:Id>
        <ns5:Address>Ejemplo Domicilio Persona Jurídica</ns5:Address>
        <ns5:City>Madrid</ns5:City>
        <ns5:Province>Madrid</ns5:Province>
        <ns5:PostalCode>28002</ns5:PostalCode>
        <ns5:Country>ES</ns5:Country>
        <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
        <ns5:Voice>976000000</ns5:Voice>
        <ns5:DialingCode>34</ns5:DialingCode>
        <ns5:Creation>2012-03-07T00:00:00.000+01:00</ns5:Creation>
        <ns5:LegalForm>877</ns5:LegalForm>
      </ns4:ContactCreateResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:08.080+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-CONT-CREA-PJ-1006</ns4:ClientID>
        <ns4:ServerID>1331115488080</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### **5.3.3. Contact information**

The *ContactInfoResponse* command returns the data linked with a contact object that has been configured as suitable for publication by the registration operators.

As has been previously indicated, depending on the privacy policy applied by the register on the data in the contact object, some elements of the output message may not be returned without the server indicating at protocol level the existence of a global data recompilation / publication policy or the exceptional processing of a specific data set with respect to this.

In the interests of compatibility, given that the SGND has no such protocol level data compilation and publication policies in its SOAP module, although these tasks do in fact exist, these policies are managed directly at the application level according to ESNIC legal requirements, pursuant to the General Data Protection Regulation (EU) 2016/679 of the European Parliament and the Council of 27 April 2016.

This means that, in accordance with the aforementioned legal requirements, some elements of the outgoing *ContactInfoRequest* request message may not appear or be empty.



### 5.3.3.1. ContactInfoRequest

The table below contains a list and details of the fields comprising the ContactInfoRequest object:

- **NicHandle:** Identifier of the contact we wish to inquire about.

Element	Parent field	Type	Mandatory
ContactInfoRequest	SgndCommandRequest	ContactInfoRequest	Mandatory
NicHandle	ContactInfoRequest	String	Mandatory

### 5.3.3.2. ContactInfoResponse

The table below contains a list and details of the fields comprising the ContactInfoResponse object:

- **NicHandle:** Identifier of the contact inquired about.
- **Name:** Indicates the full name of the contact holder.
- **Type:** Indicates whether the contact is an "individual" (1) or is alternatively a "legal person" (2).
- **Id:** indicates the personal or physical identification number of the contact holder (DNI, NIF, passport, company registration number, etc.) The *type* attribute indicates the type of number to which the identification number entered in *<Id>* belongs to, in keeping with three preset types. This attribute is obligatory, cannot be empty, and may use the following values:
  - 0: Corresponds to the generic "Other Identification" type of ID number.
  - 1: Corresponds to the "DNI-NIF" type of ID number (Spanish personal/tax identity number).
  - 3: Corresponds to the "NIE" type of ID number (Spanish foreign resident number).
  - 4: Corresponds to the "VAT" type of ID number (tax number). Only valid for non Spanish legal entities.
- **Address:** Domicile linked to the contact.
- **City:** The city where the contact resides.
- **Province:** Province or State that is linked to the contact.
- **PostalCode:** Post or Zip code of the contact object.
- **Country:** Code of the country to which the contact belongs. This code must coincide with the two-letter acronym of the aforementioned country given in the



ISO-3166-1 Alpha-2 list. The code for each country can be found in section 7.2 "[Appendix II: ISO-3166-1 Alpha-2 Country Acronyms](#)"

- **Email:** Indicates the email address of the contact holder.
- **Voice:** Indicates the contact holder's telephone number. Excluding the country prefix.
- **DialingCode:** Will transport the country prefix that needs to be dialled before the telephone number. (I.e. +34 for Spain)
- **Creation:** The date the contact is registered on the system.
- **LegalForm:** Indicates the code of the contact holder's legal form according to the corresponding values indicated in the legal forms table located in section 7.3 "[Appendix III: Legal Form Codes](#)".

Element	Parent field	Type
ContactInfoResponse	SgndCommandResponse	ContactInfoResponse
NicHandle	ContactCreateResponse	String
Name	ContactCreateResponse	String
Type	ContactCreateResponse	Integer
Id	ContactCreateResponse	String (+type)
Address	ContactCreateResponse	String
City	ContactCreateResponse	String
Province	ContactCreateResponse	String
PostalCode	ContactCreateResponse	String
Country	ContactCreateResponse	String
E-mail	ContactCreateResponse	String
Voice	ContactCreateResponse	String
DialingCode	ContactCreateResponse	String
Creation	ContactCreateResponse	DateTime
LegalForm	ContactCreateResponse	Integer

### 5.3.3.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-messageInbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ContactInfoRequest>
```

```
<sch4:NicHandle>4CF03-ESNIC-F5</sch4:NicHandle>
</sch:ContactInfoRequest>
<sch:ClientData>
  <sch:UserID>XXXXXX</sch:UserID>
  <sch:UserPwd>XXXXXX</sch:UserPwd>
  <sch:ClientID>AR-CONT-INFO-1006</sch:ClientID>
  <sch:Language>es</sch:Language>
</sch:ClientData>
</sch:SgndCommandRequest>
</soapenv:Body>
</soapenv:Envelope>
```

## **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:ContactInfoResponse>
        <ns5:NicHandle>4CF03-ESNIC-F5</ns5:NicHandle>
        <ns5:Name>Contacto Soap Persona Fisica</ns5:Name>
        <ns5:Type>1</ns5:Type>
        <ns5:Id type="1">12345678Z</ns5:Id>
        <ns5:Address>Example modified contact domicile</ns5:Address>
        <ns5:City>Wisconsin</ns5:City>
        <ns5:Province>HUESCA</ns5:Province>
        <ns5:PostalCode>22004</ns5:PostalCode>
        <ns5:Country>ES</ns5:Country>
        <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
        <ns5:Voice>9760001110</ns5:Voice>
        <ns5:DialingCode>34</ns5:DialingCode>
        <ns5:Creation>2012-03-07T00:00:00.000+01:00</ns5:Creation>
        <ns5:LegalForm>1</ns5:LegalForm>
      </ns4:ContactInfoResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:13.352+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-CONT-INFO-1006</ns4:ClientID>
        <ns4:ServerID>1331115493352</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:ContactInfoResponse>
        <ns5:NicHandle>4CF03-ESNIC-F5</ns5:NicHandle>
        <ns5:Name>Contacto Soap Persona Fisica</ns5:Name>
        <ns5:Type>1</ns5:Type>
        <ns5:Id type="1">12345678Z</ns5:Id>
        <ns5:Address>Example modified contact domicile</ns5:Address>
        <ns5:City>Wisconsin</ns5:City>
        <ns5:Province>HUESCA</ns5:Province>
```

```
<ns5:PostalCode>22004</ns5:PostalCode>
<ns5:Country>ES</ns5:Country>
<ns5:Email>pruebas_deloitte@red.es</ns5:Email>
<ns5:Voice>9760001110</ns5:Voice>
<ns5:DialingCode>34</ns5:DialingCode>
<ns5:Creation>2012-03-07T00:00:00.000+01:00</ns5:Creation>
<ns5:LegalForm>1</ns5:LegalForm>
</ns4:ContactInfoResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:13.352+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-CONT-INFO-1006</ns4:ClientID>
  <ns4:ServerID>1331115493352</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.3.4. Contact modification

The ContactUpdateRequest command will modify an existing contact object in ESNIC using the data provided in the service message.

It will function as in other cases, i.e. we have to enter the final status we wish to give to contact fields in input request, bearing in mind that those which have no changes in the request (note that it is not the same not to change the field, not to include the tag or label than to enter an empty field) will retain their current value.

The Accredited Registrar can only modify contact that he/she has created and which are not linked to any domain, or alternatively contacts that, while not having been created by the Accredited Registrar user, are linked to domains that come under his/her management. Under no circumstances will the Accredited Registrar be able to modify the email, contact type or the contact's legal form.

Given that the Accredited Registrar is the manager but not the holder of the contact, modification of sensitive data (name and identification) will be submitted to a network operator for approval by creating a contact data modification request, for which he/she must submit a copy of the user's ID document and, if the contact is of "legal person" type, he/she will also have to submit a written authorisation granting the Accredited Registrar the power to modify the contact data.

#### 5.3.4.1. ContactUpdateRequest

The table below contains a list and details of the fields comprising the ContactUpdateRequest object:

- **NicHandle:** Identifier of the contact we wish to modify.
- **Name:** Indicates the full name of the contact holder to be modified.
- **Id:** indicates the personal or physical identification number of the contact holder (DNI, NIF, passport, company registration number, etc.), a detail required by local legal policies to carry out contact registration. This element is obligatory, and cannot be empty. Furthermore, the application will verify the format of the number entered in this element, whether the type of document it corresponds to is a DNI, NIF or a NIE (identified in the *type* attribute by values 1 and 3). The *type* attribute indicates the identification number to which the number entered in <Id> belongs, in keeping with three preset types, which furthermore will determine whether the application should verify the format of the aforementioned

number. Both element and attribute are compulsory; they cannot be nil, the values that *type* can take are the following:

- 0: Corresponds to the generic "Other Identification" type of ID number. It is used for any type of identification number other than Spanish NIF or NIE, i.e., passport, foreign ID documents, company registration numbers, driving licences, etc. If *type* takes on the value of 0 the application will not check the data format provided in *<Id>*.
  - 1: Corresponds to the "DNI-NIF" type of ID number (Spanish personal/tax identity number). If *type* is 1, the application will verify that the format of the data entered in *<Id>* is correct. NIFs are already recognised and consist of a control letter plus a string of 8 numbers. Previous CIF documents (Spanish tax identity code) are included in the NIF type.
  - 3: Corresponds to the "NIE" type of ID number (Spanish foreign resident number). As in the previous case, if *type* is 3, the application will verify that the format of the data entered in *<Id>* is correct.
  - 4: Corresponds to the "VAT" type of ID number (tax number). Only valid for non Spanish legal entities.
- **Address:** The domicile that will be assigned to the contact.
  - **City:** The city where the contact resides.
  - **Province:** Province or State that will be linked to the contact.
  - **PostalCode:** Post or ZIP code which has to be entered in the contact object. If the *<Country>* element is Spain, the post code will be validated and it must be a number between 1000 and 52999, otherwise an error is produced.
  - **Country:** Code of the country to which the contact belongs. This code must coincide with the two-letter acronym of the aforementioned country given in the ISO-3166-1 Alpha-2 list. The application checks the data given in this element, returning an error if it cannot be found in the list. The code for each country can be found in section 7.2 "[Appendix II: ISO-3166-1 Alpha-2 Country Acronyms](#)".
  - **Voice:** Indicates the contact holder's telephone number. Excluding the country prefix.
  - **DialingCode:** Will transport the country prefix that needs to be dialled before the telephone number. (I.e. +34 for Spain)
  - **Attachment:** File with a copy of the contact holder's identification document; we must indicate the original name of the file in the *FileName* attribute. Necessary for modifying sensitive data: Name and Id.
  - **Authorization:** File which houses a document granting powers for modifying contact data in the event that the aforementioned contact is classed as a "legal person"; we must indicate the original name of the file in the *FileName* attribute.

Element	Parent field	Type	Mandatory
ContactUpdateRequest	SgndCommandRequest	ContactUpdateRequest	Mandatory

NicHandler	ContactUpdateRequest	String	Mandatory
Name	ContactUpdateRequest	String	Optional
Id	ContactUpdateRequest	String (+type)	Optional
Address	ContactUpdateRequest	String	Optional
City	ContactUpdateRequest	String	Optional
Province	ContactUpdateRequest	String	Optional
PostalCode	ContactUpdateRequest	String	Optional
Country	ContactUpdateRequest	String	Optional
Voice	ContactUpdateRequest	String	Optional
DialingCode	ContactUpdateRequest	String	Optional
Attachment	ContactUpdateRequest	Base64Binary (+FileName)	Optional
Authorisation	ContactUpdateRequest	Base64Binary (+FileName)	Optional

#### 5.3.4.2. ContactUpdateResponse

The table below contains a list and details of the fields comprising the ContactUpdateResponse object:

- **NicHandle:** Identifier of the contact modified.
- **Name:** Indicates the full name of the contact holder.
- **Type:** Indicates whether the contact is an "individual" (1) or is alternatively a "legal person" (2).
- **Id:** indicates the personal or physical identification number of the contact holder (DNI, NIF, passport, company registration number, etc.) The *type* attribute indicates the type of number to which the identification number entered in <Id> belongs to, in keeping with three preset types. This attribute is obligatory, cannot be empty, and may use the following values:
  - 0: Corresponds to the generic "Other Identification" type of ID number.
  - 1: Corresponds to the "DNI-NIF" type of ID number (Spanish personal/tax identity number).
  - 3: Corresponds to the "NIE" type of ID number (Spanish foreign resident number).
  - 4: Corresponds to the "VAT" type of ID number (tax number). Only valid for non Spanish legal entities.
- **Address:** Domicile linked to the contact.
- **City:** The city where the contact resides.

- **Province:** Province or State that is linked to the contact.
- **PostalCode:** Post or Zip code of the contact object.
- **Country:** Code of the country to which the contact belongs. This code must coincide with the two-letter acronym of the aforementioned country given in the ISO-3166-1 Alpha-2 list. The code for each country can be found in section 7.2 "[Appendix II: ISO-3166-1 Alpha-2 Country Acronyms](#)".
- **Email:** Indicates the email address of the contact holder.
- **Voice:** Indicates the contact holder's telephone number. Excluding the country prefix.
- **DialingCode:** Will transport the country prefix that needs to be dialled before the telephone number. (I.e. +34 for Spain)
- **Creation:** The date the contact is registered on the system.
- **LegalForm:** Indicates the code of the contact holder's legal form according to the corresponding values indicated in the legal forms table located in section 7.3 "[Appendix III: Legal Form Codes](#)".
- **Order:** Information from the request that has been created.

Element	Parent field	Type
ContactUpdateResponse	SgndCommandResponse	ContactUpdateResponse
NicHandle	ContactUpdateResponse	String
Name	ContactUpdateResponse	String
Type	ContactUpdateResponse	Integer
Id	ContactUpdateResponse	String (+type)
Address	ContactUpdateResponse	String
City	ContactUpdateResponse	String
Province	ContactUpdateResponse	String
PostalCode	ContactUpdateResponse	String
Country	ContactUpdateResponse	String
E-mail	ContactUpdateResponse	String
Voice	ContactUpdateResponse	String
DialingCode	ContactUpdateResponse	String
Creation	ContactUpdateResponse	DateTime
LegalForm	ContactUpdateResponse	Integer
Order	ContactUpdateResponse	OrderInfo

#### 5.3.4.3. Example

##### **XML request sent:**

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

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ContactUpdateRequest>
        <sch4:NicHandle>4CF03-ESNIC-F5</sch4:NicHandle>
        <sch4:Name>Contact Soap individual modified</sch4:Name>
        <sch4:City>Wisconsin</sch4:City>
        <sch4:Province>Huesca</sch4:Province>
        <sch4:PostalCode>22004</sch4:PostalCode>
        <sch4:Country>ES</sch4:Country>
        <sch4:Voice>9760001110</sch4:Voice>
        <sch4:Attachment
FileName="dni_electronico.png">9j/4AAQSkZJRgABAQAAQABAAD/2wCEAAkGBhQSERUTEExQVFBQWGBcWF
xgVFxgYGRgWFXoWFXUU
FhQXHCYeGBWjGhcXHy8gIycpLCwsFR4xNTAQNSYrLCkBCQoKDgwOGg8PGiWkHyQsLCwpKSwsLCwp
... simplified content...
AM05/TWnivUPLQWYzJY59V88vMuccj+DkT7a62kBXjP/AC7nHM/h5/rStLXq7lo7MzMyfVf+Hc/p
rvSHSLkT6lyO3LDFaWvV3LRmYQ7EzBiVRzOQ1So4ZszAZd2fKm+x2cCBZnmJJMkxwzJq+K9RRVG
N2f/2Q==</sch4:Attachment>
      <sch:ContactUpdateRequest>
        <sch:ClientData>
          <sch:UserID>XXXXXX</sch:UserID>
          <sch:UserPwd>XXXXXX</sch:UserPwd>
          <sch:ClientID>AR-CONT-UPDATE-PF-PETICION-1006</sch:ClientID>
          <sch:Language>es</sch:Language>
        </sch:ClientData>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:ContactUpdateResponse>
        <ns5:Order>
          <ns3:OrderId>361381</ns3:OrderId>
          <ns3:OrderType>3</ns3:OrderType>
          <ns3:Creation>2012-03-07T11:18:10.593+01:00</ns3:Creation>
          <ns3:Reference>MD-361381-F5</ns3:Reference>
        </ns5:Order>
        <ns4:ContactUpdateResponse>
          <ns4:ReturnCode>1000</ns4:ReturnCode>
          <ns4:ServerData>
            <ns4:Timestamp>2012-03-07T11:18:11.363+01:00</ns4:Timestamp>
            <ns4:ClientID>AR-CONT-UPDATE-PF-PETICION-1006</ns4:ClientID>
            <ns4:ServerID>1331115491363</ns4:ServerID>
          </ns4:ServerData>
        </ns4:SgndCommandResponse>
      </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

## 5.4. Applications

In SGND the application object checks and monitors the status of requests, provided the request code of the latter is already known (in some cases, returned in the outgoing server message). It will return the current status and other relevant information linked with the request. It is possible to perform acceptance, rejection and cancellation operations for a certain number of applications.

The operations linked with the **order** entity are shown in the following table:

Operation	Description
OrderInfoRequest	Obtains basic information for a given application code.
OrderExtendedInfoRequest	Obtains extended information for a given application code.
AcceptOrderRequest	Accepts an application that is pending acceptance by the accredited registrar. (Cancellation or Transmission)
RejectOrderRequest	Rejects an application that is pending acceptance by the accredited registrar. (Cancellation or Transmission)
CancelOrderRequest	Cancels a request if posible due do its current status

#### 5.4.1. Application inquiry

This operation can be used to check the status of previous requests.

These application types, with their code in brackets, and status currently available and the possible statuses each one can take.

- REGISTRATION (1):**

STATUS	Description
APRB	Approved
DMOK	Performed
ETRM	In process
PDOC	Pending documentation
AANU	Cancelled
CANCI	Cancelled by the System
CANC	Cancelled by the System

- DE-REGISTRATION (4):**

STATUS	Description
BANU	De-registration cancelled
BSOL	De-registration requested
BROK	De-registration performed



BAPRB	De-registration accepted
-------	--------------------------

- **RENEWAL (9):**

STATUS	Description
RSBJ	Renewal cancelled
RSOL	Renewal requested
NRVN	Non-renewal
RSOK	Renewal confirmed
RANU	Renewal cancelled by user

- **TRANSFER (8):**

STATUS	Description
TSOL	Transfer requested
TBAJ	Transfer cancelled
TROK	Transfer confirmed
TREJ	Transfer Rejected

- **CANCELLATION (5):**

STATUS	Description
CSOL	Cancellation requested
CADM	Cancellation admitted
CNADM	Cancellation rejected
CANU	Cancellation cancelled
CRES	Cancellation in resolution
CFAV	Cancellation in favour of the applicant
CCON	Canc. against the applicant
CSUB	Canc. pending corrective actions
CPAR	Pending acceptance by AR
CPOR	Pending processing by NO
CPUF	Pending acceptance by UF

- **TRANSMISSION (6):**

STATUS	Description
TNSOL	Transmission requested
TNREJ	Transmission rejected
TNBAJ	Transmission cancelled

TNPAR	Transmission pending approval AR
TNPOR	Transmission pending approval NO
TNOK	Transmission approved
TNDNG	Transmission denied
TNGST	Transfer pending approval by current AR
TNANU	Transmission cancelled

• **MODIFYING CONTACT DETAILS (3):**

STATUS	Description
MDSOL	Mod. contact data requested
MDOK	Mod. contact data approved
MDKO	Mod. contact data rejected
MDANU	Mod. contact data cancelled

**5.4.1.1. OrderInfoRequest**

The table below contains a list and details of the fields comprising the OrderInfoRequest object:

- **OrderId**: Identifier of the request to be queried.

Element	Parent field	Type	Mandatory
OrderInfoRequest	SgndCommandRequest	OrderInfoRequest	Mandatory
OrderId	OrderInfoRequest	String	Mandatory

**5.4.1.2. OrderInfoResponse**

The table below contains a list and details of the fields comprising the OrderInfoResponse object:

- **OrderId**: Identifier of the request consulted.
- **OrderType**: Type of request consulted
- **State**: Request status code.
- **StateDescription**: Request status description.
- **Creation**: Date the request was created.
- **Reference**: Request reference (i.e. AD-ES-12345-F5)

Element	Parent field	Type
---------	--------------	------

OrderInfoResponse	SgndCommandResponse	OrderInfoResponse
OrderInfo	OrderInfoResponse	OrderInfo
OrderId	OrderInfo	String
OrderType	OrderInfo	String
State	OrderInfo	String
StateDescription	OrderInfo	String
Creation	OrderInfo	DateTime
Reference	OrderInfo	String

### 5.4.1.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:schl="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:schl0="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:OrderInfoRequest>
        <sch3:OrderId>361367</sch3:OrderId>
      <sch:OrderInfoRequest>
        <sch:ClientData>
          <sch:UserID>XXXXXX</sch:UserID>
          <sch:UserPwd>XXXXXX</sch:UserPwd>
          <sch:ClientID>AR-PET-CONSULTPET-1006</sch:ClientID>
          <sch:Language>es</sch:Language>
        </sch:ClientData>
      </sch:OrderInfoRequest>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:OrderInfoResponse>
        <ns3:OrderInfo>
          <ns3:OrderId>361367</ns3:OrderId>
          <ns3:OrderType>1</ns3:OrderType>
          <ns3:State>DMOK</ns3:State>
          <ns3:StateDescription>Efectuada</ns3:StateDescription>
```

```
<ns3:Creation>2012-03-07T11:15:55.000+01:00</ns3:Creation>
<ns3:Reference>AD-ES-361367-F5</ns3:Reference>
<ns3:OrderInfo>
<ns4:OrderInfoResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
<ns4:Timestamp>2012-03-07T11:18:14.244+01:00</ns4:Timestamp>
<ns4:ClientID>AR-PET-CONSULTPET-1006</ns4:ClientID>
<ns4:ServerID>1331115494244</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 5.4.2. Extended request consultation

This operation can be used to check the status of previous requests. This is an extended inquiry and for this reason in addition to the data provided by the inquiry request, more information is obtained such as the status record, information about the domain or domains linked with the application and specific information about each type of request (reason for cancellation, contact data that have been modified, domains linked to bulk transmission or transfer, etc.)

The types of request that can be consulted and their statuses are the same as in the previous section, "Request inquiry".

##### 5.4.2.1. OrderExtendedInfoRequest

The table below contains a list and details of the fields comprising the OrderExtendedInfoRequest:

- **OrderId**: Identifier of the request to be queried.

Element	Parent field	Type	Mandatory
OrderExtendedInfoRequest	SgndCommandRequest	OrderExtendedInfoRequest	Mandatory
OrderId	OrderExtendedInfoRequest	String	Mandatory

##### 5.4.2.2. OrderExtendedInfoResponse

The table below contains a list and details of the fields comprising the OrderExtendedInfoResponse object:

- **OrderId**: Identifier of the request consulted.
- **OrderType**: Type of request consulted
- **State**: Request status code.
- **StateDescription**: Request status description.
- **Creation**: Date the request was created.
- **Reference**: Request reference (i.e. AD-ES-12345-F5)
- **Applicant**: Nic-Handle of the requesting applicant.

- **TradeAction:** Trade action linked to the request, if applicable. Valid for registration and renewal requests.
- **Period:** Term of renewal. Only valid for renewal requests.
- **NextRenwal:** Next renewal date. Only valid for renewal requests.
- **ModificationData:** Data comprising the contact data modification request.
  - **Field:** Value that is modified. This element has the attributes *Status* and *Desc*. The attribute *Status* indicates "new" if it is the new value and "old" if it is the current value. The *Desc* attribute indicates on which field the modification is being performed (the possible values are "name" or "identification")
- **TransferData:** Provides details on bulk transfer or transmission.
  - **Title:** Indicates the name of the transmission (i.e. domain.es and 19 more)
  - **Registrant:** Contact object with the holder's information.
  - **Admin:** Contact object with the new administrative contact information.
  - **Billing:** Contact object with the new billing contact information. Up to 2 can appear.
  - **Tech:** Contact object with the new technical information. Up to 6 can appear.
  - **DomainName:** Domain for which the request is being made. Several records of this kind can appear; they can be used for both **transfers** and **transmissions**.
  - **Host:** Host object with the new or current DNS server information. Up to 7 can appear.
- **DomainData:** Data with relevant information about the domain linked to the application.
- **OrderHistory:** Request status record
  - **State:** Status code.
  - **StateDescription:** Status description.
  - **StateDate:** Date of the change in status.

Element	Parent field	Type
OrderExtendedInfoResponse	SgndCommandResponse	OrderExtendedInfoResponse
OrderInfo	OrderExtendedInfoResponse	OrderInfo
OrderId	OrderExtendedInfoResponse	String
OrderType	OrderExtendedInfoResponse	String
State	OrderExtendedInfoResponse	String
StateDescription	OrderExtendedInfoResponse	String
Creation	OrderExtendedInfoResponse	DateTime
Reference	OrderExtendedInfoResponse	String

Applicant	OrderExtendedInfoResponse	String
TradeAction	OrderExtendedInfoResponse	Integer
Period	OrderExtendedInfoResponse	Integer
NextRenewal	OrderExtendedInfoResponse	DateTime
ModificationData	OrderExtendedInfoResponse	ContactModificationDetail
Field	ModificationData	String (+Status +Desc)
TransferData	OrderExtendedInfoResponse	DomainTransferDetail
Title	TransferData	String
Registrant	TransferData	Contact
Admin	TransferData	Contact
Billing	TransferData	Contact
Tech	TransferData	Contact
DomainName	TransferData	String
Host	TransferData	Host
DomainData	OrderExtendedInfoResponse	DomainInfoResponse
OrderHistory	OrderExtendedInfoResponse	OrderHistory
State	OrderHistory	String
StateDescription	OrderHistory	String
StateDate	OrderHistory	DateTime

### 5.4.2.3. Example of a registration request

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:OrderExtendedInfoRequest>
        <sch3:OrderId>361367</sch3:OrderId>
      </sch:OrderExtendedInfoRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-PET-CONSULTPET-EXT1-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:OrderExtendedInfoResponse>
        <ns3:OrderExtendedInfo>
          <ns3:OrderId>361367</ns3:OrderId>
          <ns3:OrderType>1</ns3:OrderType>
          <ns3:State>DMOK</ns3:State>
          <ns3:StateDescription>Efectuada</ns3:StateDescription>
          <ns3:Creation>2012-03-07T11:15:55.000+01:00</ns3:Creation>
          <ns3:Reference>AD-ES-361367-F5</ns3:Reference>
          <ns3:TradeAction>1009</ns3:TradeAction>
          <ns3:Period>1</ns3:Period>
          <ns3:DomainData>
            <ns2:Name>jmx-test-soap-1006.es</ns2:Name>
            <ns2:Status>1</ns2:Status>
            <ns2:Creation>2012-03-07T11:15:54.000+01:00</ns2:Creation>
            <ns2:Expiration>2014-03-07T11:15:54.000+01:00</ns2:Expiration>
            <ns2:Period>1</ns2:Period>
            <ns2:Autorenew>false</ns2:Autorenew>
            <ns2:TradeMark>prueba-ws-soap</ns2:TradeMark>
            <ns2:RegistrationNumber>prueba-ws-soap-nr</ns2:RegistrationNumber>
            <ns2:Registrant>
              <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
              <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
              <ns5:Type>1</ns5:Type>
              <ns5:Id type="0">A50053081</ns5:Id>
              <ns5:Address>Walqa</ns5:Address>
              <ns5:City>Walqa</ns5:City>
              <ns5:Province>HUESCA</ns5:Province>
              <ns5:PostalCode>22005</ns5:PostalCode>
              <ns5:Country>ES</ns5:Country>
              <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
              <ns5:Voice>976878787</ns5:Voice>
              <ns5:DialingCode>34</ns5:DialingCode>
              <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
            </ns2:Registrant>
            <ns2:Admin>
              <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
              <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
              <ns5:Type>1</ns5:Type>
              <ns5:Id type="0">A50053081</ns5:Id>
              <ns5:Address>Walqa</ns5:Address>
              <ns5:City>Walqa</ns5:City>
              <ns5:Province>HUESCA</ns5:Province>
              <ns5:PostalCode>22005</ns5:PostalCode>
              <ns5:Country>España</ns5:Country>
              <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
              <ns5:Voice>976878787</ns5:Voice>
              <ns5:DialingCode>34</ns5:DialingCode>
            </ns2:Admin>
            <ns2:Tech>
              <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
              <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
              <ns5:Type>1</ns5:Type>
              <ns5:Id type="0">A50053081</ns5:Id>
              <ns5:Address>Walqa</ns5:Address>
              <ns5:City>Walqa</ns5:City>
              <ns5:Province>HUESCA</ns5:Province>
              <ns5:PostalCode>22005</ns5:PostalCode>
              <ns5:Country>España</ns5:Country>
              <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
              <ns5:Voice>976878787</ns5:Voice>
              <ns5:DialingCode>34</ns5:DialingCode>
            </ns2:Tech>
          </ns3:DomainData>
        </ns3:OrderExtendedInfo>
      </ns4:OrderExtendedInfoResponse>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
  
```

```
</ns2:Tech>
<ns2:Billing>
  <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
  <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
  <ns5:Type>1</ns5:Type>
  <ns5:Id type="0">A50053081</ns5:Id>
  <ns5:Address>Walqa</ns5:Address>
  <ns5:City>Walqa</ns5:City>
  <ns5:Province>HUESCA</ns5:Province>
  <ns5:PostalCode>22005</ns5:PostalCode>
  <ns5:Country>España</ns5:Country>
  <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
  <ns5:Voice>976878787</ns5:Voice>
  <ns5:DialingCode>34</ns5:DialingCode>
</ns2:Billing>
<ns2:UsesEsnicHost>false</ns2:UsesEsnicHost>
</ns3:DomainData>
<ns3:OrderHistory>
  <ns3:State>DMOK</ns3:State>
  <ns3:StateDescription>Efectuada</ns3:StateDescription>
  <ns3:StateDate>2012-03-07T11:15:54.000+01:00</ns3:StateDate>
</ns3:OrderHistory>
</ns3:OrderExtendedInfo>
</ns4:OrderExtendedInfoResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:16.755+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-PET-CONSULTPET-EXT1-1006</ns4:ClientID>
  <ns4:ServerID>1331115496755</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 5.4.2.4. Example of a transmission request

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:schl="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:schl0="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:OrderExtendedInfoRequest>
        <sch3:OrderId>361379</sch3:OrderId>
      </sch:OrderExtendedInfoRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-PET-CONSULTPET-EXT3-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
```



```

<ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
  xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
  xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
  xmlns:ns4="http://www.nic.es/sgnd/schemas"
  xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
  xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
  xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
  xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
  <ns4:OrderExtendedInfoResponse>
    <ns3:OrderExtendedInfo>
      <ns3:OrderId>361379</ns3:OrderId>
      <ns3:OrderType>6</ns3:OrderType>
      <ns3:State>TNSOL</ns3:State>
      <ns3:StateDescription>Transmission requested</ns3:StateDescription>
      <ns3:Creation>2012-03-07T11:18:02.000+01:00</ns3:Creation>
      <ns3:Reference>TNE-361379-F5</ns3:Reference>
      <ns3:TransferData>
        <ns3:Title>jmx-test-soap-2pcf-1006.es y 1 más</ns3:Title>
        <ns3:Registrant>
          <ns5:NicHandle>JMA1055-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>Jose Manuel Arce</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="1">72031693V</ns5:Id>
          <ns5:Address>Las Marzas, 8 1º Iz</ns5:Address>
          <ns5:City>Santander</ns5:City>
          <ns5:Province>CANTABRIA</ns5:Province>
          <ns5:PostalCode>39007</ns5:PostalCode>
          <ns5:Country>ES</ns5:Country>
          <ns5:Email>info@obsesiondigital.com</ns5:Email>
          <ns5:Voice>942036281</ns5:Voice>
          <ns5:DialingCode>34</ns5:DialingCode>
          <ns5:Creation>2007-12-04T00:00:00.000+01:00</ns5:Creation>
          <ns5:LegalForm>1</ns5:LegalForm>
        </ns3:Registrant>
        <ns3:Admin>
          <ns5:NicHandle>JMA1055-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>Jose Manuel Arce</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="1">72031693V</ns5:Id>
          <ns5:Address>Las Marzas, 8 1º Iz</ns5:Address>
          <ns5:City>Santander</ns5:City>
          <ns5:Province>CANTABRIA</ns5:Province>
          <ns5:PostalCode>39007</ns5:PostalCode>
          <ns5:Country>ES</ns5:Country>
          <ns5:Email>info@obsesiondigital.com</ns5:Email>
          <ns5:Voice>942036281</ns5:Voice>
          <ns5:DialingCode>34</ns5:DialingCode>
          <ns5:Creation>2007-12-04T00:00:00.000+01:00</ns5:Creation>
          <ns5:LegalForm>1</ns5:LegalForm>
        </ns3:Admin>
        <ns3:Billing>
          <ns5:NicHandle>JMA1055-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>Jose Manuel Arce</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="1">72031693V</ns5:Id>
          <ns5:Address>Las Marzas, 8 1º Iz</ns5:Address>
          <ns5:City>Santander</ns5:City>
          <ns5:Province>CANTABRIA</ns5:Province>
          <ns5:PostalCode>39007</ns5:PostalCode>
          <ns5:Country>ES</ns5:Country>
          <ns5:Email>info@obsesiondigital.com</ns5:Email>
          <ns5:Voice>942036281</ns5:Voice>
          <ns5:DialingCode>34</ns5:DialingCode>
          <ns5:Creation>2007-12-04T00:00:00.000+01:00</ns5:Creation>
          <ns5:LegalForm>1</ns5:LegalForm>
        </ns3:Billing>
        <ns3:Tech>
          <ns5:NicHandle>JMA1055-ESNIC-F4</ns5:NicHandle>
          <ns5:Name>Jose Manuel Arce</ns5:Name>
          <ns5:Type>1</ns5:Type>
          <ns5:Id type="1">72031693V</ns5:Id>
          <ns5:Address>Las Marzas, 8 1º Iz</ns5:Address>
          <ns5:City>Santander</ns5:City>
          <ns5:Province>CANTABRIA</ns5:Province>

```

```
<ns5:PostalCode>39007</ns5:PostalCode>
<ns5:Country>ES</ns5:Country>
<ns5:Email>info@obsesiondigital.com</ns5:Email>
<ns5:Voice>942036281</ns5:Voice>
<ns5:DialingCode>34</ns5:DialingCode>
<ns5:Creation>2007-12-04T00:00:00.000+01:00</ns5:Creation>
<ns5:LegalForm>1</ns5:LegalForm>
<ns3:Tech>
<ns3:DomainName>jmx-test-soap-2pcf-1006.es</ns3:DomainName>
<ns3:DomainName>jmx-test-soap-2pct-1006.es</ns3:DomainName>
<ns3:Host>
  <ns6:Name>ns1.mydomain.com</ns6:Name>
</ns3:Host>
<ns3:TransferData>
<ns3:DomainData>
  <ns2:Registrant>
    <ns5:NicHandle>JMA1044-ESNIC-F4</ns5:NicHandle>
    <ns5:Name>JESUS MARZO ANDIA</ns5:Name>
    <ns5:Type>1</ns5:Type>
    <ns5:Id type="0">A50053081</ns5:Id>
    <ns5:Address>Walqa</ns5:Address>
    <ns5:City>Walqa</ns5:City>
    <ns5:Province>HUESCA</ns5:Province>
    <ns5:PostalCode>22005</ns5:PostalCode>
    <ns5:Country>ES</ns5:Country>
    <ns5:Email>pruebas_deloitte@red.es</ns5:Email>
    <ns5:Voice>976878787</ns5:Voice>
    <ns5:DialingCode>34</ns5:DialingCode>
    <ns5:Creation>2007-11-20T00:00:00.000+01:00</ns5:Creation>
  </ns2:Registrant>
</ns3:DomainData>
<ns3:OrderHistory>
  <ns3:State>TNSOL</ns3:State>
  <ns3:StateDescription>Transmission requested
</ns3:StateDescription>
  <ns3:StateDate>2012-03-07T11:18:02.000+01:00</ns3:StateDate>
</ns3:OrderHistory>
</ns3:OrderExtendedInfo>
</ns4:OrderExtendedInfoResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:33.547+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-PET-CONSULTPET-EXT3-1006</ns4:ClientID>
  <ns4:ServerID>1331115513547</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.4.3. Accept request

This operation allow us to accept requests pending intervention by the accredited registrar. This requests are restricted to "Cancellation" and "Transmission" types.

#### 5.4.3.1. AcceptOrderRequest

The table below contains a list and details of the fields comprising the AcceptOrderRequest object:

- **OrderId**: Identifier of the request to be accepted

Element	Parent field	Type	Mandatory
AcceptOrderRequest	SgndCommandRequest	AcceptOrderRequest	Mandatory
OrderId	AcceptOrderRequest	String	Mandatory

#### 5.4.3.2. AcceptOrderResponse

The table below contains a list and details of the fields comprising the AcceptOrderResponse object:

- **OrderId**: Identifier of the request consulted.
- **OrderType**: Type of request consulted
- **State**: Request status code.
- **StateDescription**: Request status description.
- **Creation**: Date the request was created.
- **Reference**: Request reference (i.e. AD-ES-12345-F5)

Element	Parent field	Type
AcceptOrderResponse	SgndCommandResponse	AcceptOrderResponse
OrderInfo	AcceptOrderResponse	OrderInfo
OrderId	OrderInfo	String
OrderType	OrderInfo	String
State	OrderInfo	String
StateDescription	OrderInfo	String
Creation	OrderInfo	DateTime
Reference	OrderInfo	String

#### 5.4.3.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:AcceptOrderRequest>
        <sch3:Reference>TN-361364-F5</sch3:Reference>
        <sch:AcceptOrderRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-PET-ACCEPTPET-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:AcceptOrderRequest>
      </sch:AcceptOrderRequest>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

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

### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:AcceptOrderResponse>
        <ns3:OrderId>361364</ns3:OrderId>
        <ns3:OrderType>6</ns3:OrderType>
        <ns3:State>TNPOR</ns3:State>
        <ns3:Creation>2012-03-07T11:13:30.000+01:00</ns3:Creation>
        <ns3:Reference>TN-361364-F5</ns3:Reference>
      </ns4:AcceptOrderResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:34.802+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-PET-ACCEPTPET-1006</ns4:ClientID>
        <ns4:ServerID>1331115514802</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 5.4.4. Reject request

This operation allow us to reject requests that are pending intervention by the accredited registrar. This requests are restricted to "Cancellation" and "Transmission" types.

##### 5.4.4.1. RejectOrderRequest

The table below contains a list and details of the fields comprising the RejectOrderRequest object:

- **OrderId:** Identifier of the request to be accepted

Element	Parent field	Type	Mandatory
RejectOrderRequest	SgndCommandRequest	RejectOrderRequest	Mandatory
OrderId	RejectOrderRequest	String	Mandatory

##### 5.4.4.2. RejectOrderResponse

The table below contains a list and details of the fields comprising the RejectOrderResponse object:

- **OrderId:** Identifier of the request consulted.
- **OrderType:** Type of request consulted
- **State:** Request status code.
- **StateDescription:** Request status description.
- **Creation:** Date the request was created.
- **Reference:** Request reference (i.e. AD-ES-12345-F5)

Element	Parent field	Type
RejectOrderResponse	SgndCommandResponse	RejectOrderResponse
OrderInfo	RejectOrderResponse	OrderInfo
OrderId	OrderInfo	String
OrderType	OrderInfo	String
State	OrderInfo	String
StateDescription	OrderInfo	String
Creation	OrderInfo	DateTime
Reference	OrderInfo	String

#### 5.4.4.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:RejectOrderRequest>
        <sch3:Reference>TN-361366-F5</sch3:Reference>
        <sch:RejectOrderRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-PET-REJECTPET-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:RejectOrderRequest>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

##### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
```

```
<SOAP-ENV:Body>
  <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
    xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
    xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
    xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
    xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
    xmlns:ns4="http://www.nic.es/sgnd/schemas"
    xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
    xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
    xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
    xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
    xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
    <ns4:RejectOrderResponse>
      <ns3:OrderId>361366</ns3:OrderId>
      <ns3:OrderType>6</ns3:OrderType>
      <ns3:State>TNPOR</ns3:State>
      <ns3:Creation>2012-03-07T11:14:55.000+01:00</ns3:Creation>
      <ns3:Reference>TN-361366-F5</ns3:Reference>
    </ns4:RejectOrderResponse>
    <ns4:RejectOrderResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:36.459+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-PET-REJECTPET-1006</ns4:ClientID>
        <ns4:ServerID>1331115516459</ns4:ServerID>
      </ns4:ServerData>
    </ns4:RejectOrderResponse>
  </ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

#### 5.4.5. Cancel request

This operation allow us to cancel requests that are in a status that might be cancelled.

##### 5.4.5.1. CancelOrderRequest

The table below contains a list and details of the fields comprising the CancelOrderRequest object:

- **OrderId:** Identifier of the request to be accepted

Element	Parent field	Type	Mandatory
CancelOrderRequest	SgndCommandRequest	CancelOrderRequest	Mandatory
Reference	CancelOrderRequest	String	Mandatory

##### 5.4.5.2. CancelOrderResponse

The table below contains a list and details of the fields comprising the CancelOrderResponse object:

- **OrderId:** Identifier of the request consulted.
- **OrderType:** Type of request consulted
- **State:** Request status code.
- **Creation:** Date the request was created.
- **Reference:** Request reference (i.e. AD-ES-12345-F5)

Element	Parent field	Type
CancelOrderResponse	SgndCommandResponse	CancelOrderResponse
OrderInfo	CancelOrderResponse	OrderInfo
OrderId	OrderInfo	String
OrderType	OrderInfo	String
State	OrderInfo	String
Creation	OrderInfo	DateTime
Reference	OrderInfo	String

### 5.4.5.3. Example

#### XML request sent:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas"
  xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:CancelOrderRequest>
        <sch3:Reference>554131</sch3:Reference>
      </sch:CancelOrderRequest>
      <sch:ClientData>
        <sch:UserID>XXXX</sch:UserID>
        <sch:UserPwd>XXXX</sch:UserPwd>
        <sch:ClientID>CLIENT-ID-AR-CHECKLIST</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <ns7:SgndCommandResponse xmlns:ns7="http://www.nic.es/sgnd/schemas"
      xmlns:ns10="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-invoice"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns13="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns14="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-dnssec"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-extraordinarycancelation">
      <ns7:ReturnCode>1000</ns7:ReturnCode>
```

```
<ns7:ServerData>
  <ns7:Timestamp>2016-12-21T12:29:32.159+01:00</ns7:Timestamp>
  <ns7:ClientID>CLIENT-ID-AR-CHECKLIST</ns7:ClientID>
  <ns7:ServerID>1482319772159</ns7:ServerID>
</ns7:ServerData>
<ns7:CancelOrderResponse>
  <ns3:OrderId>554131</ns3:OrderId>
  <ns3:OrderType>4</ns3:OrderType>
  <ns3:State>BANU</ns3:State>
  <ns3:Creation>2016-12-21T12:28:14.000+01:00</ns3:Creation>
  <ns3:Reference>BD-ES-554131-F5</ns3:Reference>
</ns7:CancelOrderResponse>
</ns7:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 5.5. Management and consultation operations

The following table shows other miscellaneous management and consultation operations:

Operation	Description
InboxRequest	Consults the accredited registrar's inbox, offer the opportunity to filter data.
MovementRequest	Consults Accredited Registrar movements. There is a filtering option.
InvoiceRequest	Consults the list of the registrar's aggregate invoices.
InvoiceDownloadRequest	Requests the system a download of a specific invoice file.
TradeActionRequest	Obtains the list of trade actions linked to the accredited registrar.
TradeActionDetailRequest	Recovers the details of a specific trade action
TradeActionLinkDomainRequest	Linking of domains to a trade action.
TradeActionUnlinkDomainRequest	Eliminate domains to a trade action.
StatisticRequest	Request statistics download.
OwnershipCertificateRequest	Request download of the ownership certificate for a particular domain.
ExtraordinaryCancelationRequest	Request of blocked domains associated with the AR who carried out the request.

### 5.5.1. Messages in task inbox

The InboxRequest allow us to consult all the data currently linked to the task inbox, using the input parameter data to filter the results.

The following are the different message types and categories:

Category	Message	Observations
<b>Registration</b>	New registration received - In process	Only applicable to edu/gob/ reserved names



	Pending documentation	Only applicable to edu/gob/ reserved names. Request pending receipt of associated documentation and subsequent approval by NO console or direct approval
	New registration approved	Only applicable to edu/gob/ reserved names. Request approved by NO
	Request rejected	Only applicable to edu/gob/ reserved names. Request denied by NO
	Request cancelled.	Only applicable to edu/gob/ reserved names. Request cancelled due to expiration of deadline by which to submit documentation
	Request cancelled	Only applicable to edu/gob/ reserved names. Request cancelled at the request of AR
	Renewal Completed	
<b>De-registration</b>	De-registration requested	E-mail sent to AC
	De-registration request confirmed	De-registration request confirmed by AC
	De-registration rejected	De-registration request rejected by AC
	De-registration cancelled	De-registration request cancelled due to expiry of 10-day deadline (parametrisable)
	Domain de-registered	Domain permanently de-registered for the following reasons: <ul style="list-style-type: none"> <li>Request for de-registration</li> <li>De-registration due to failure to renew</li> <li>De-registration due to cancellation</li> </ul>
<b>Transfer</b>	Trans. requested	E-mail sent to AC
	Trans. rejected	Renewal request Rejected by AC
	Domain accrued	Renewal request confirmed by AC, notify end AR.
	Domain lost	Renewal request confirmed by AC, notifies AR in origin. No notification when it is an End User
	Trans. cancelled	Transfer request cancelled due to expiry of 10 day term (parametrisable)
<b>Statistics</b>	Statistic sent	Description of statistics and sending date
<b>Cancellation</b>	Canc. accepted	The request has been accepted for processing by the Legal department
	Canc. pending approval	Request for cancellation pending of approval by Accredited Registrar
	Canc. in favour of the applicant	Cancellation request granted to the applicant

	Canc. against the applicant	Cancellation request of the applicant rejected
<b>Transmission</b>	Transmission approved by current Registrar	The request has been approved by the current Holder/AC of the domain
	Transmission rejected by current Registrar	The transmission request has been approved by the current Holder/AC of the domain
	Transmission pending approval	The transmission is pending of approval by a network operator

### 5.5.1.1. InboxRequest

The table below contains a list and details of the fields comprising the InboxRequest object:

- **Name:** Name of domain to be filtered.
- **From:** The date from which we want to filter.
- **To:** The date to which we want to filter.
- **CategoryType:** Category code to be filtered. It has a value of between 1 and 7, these being:
  - 1- Registration
  - 2- De-registration
  - 3- Renewal
  - 4- Transfer
  - 5- Statistics
  - 6- Cancellation
  - 7- Transmission
- **MessageType:** Message code to be filtered. It has a value of between 1 and 25, these being:
  - 8- Registration received - In process
  - 9- Pending documentation
  - 10-Registration approved
  - 11-Request rejected
  - 12-Request cancelled
  - 13-Request annulled
  - 14-Renewal completed
  - 15-De-registration requested
  - 16-De-registration confirmed
  - 17-De-registration rejected
  - 18-De-registration cancelled
  - 19-Transfer requested
  - 20-Transfer rejected
  - 21-Domain gained
  - 22-Domain lost

- 23-Transfer cancelled
- 24-Statistics sent
- 25-Cancellation accepted for processing
- 26-Cancellation pending of approval
- 27-Transmission rejected by current Registrar
- 28-Cancellation in favour of the applicant
- 29-Cancellation against the applicant
- 30-Transmission rejected by current Registrar
- 31-Transmission pending of approval
- 32-Domain de-registered

Element	Parent field	Type	Mandatory
InboxRequest	SgndCommandRequest	InboxRequest	Mandatory
Name	InboxRequest	String	Optional
From	InboxRequest	Date	Optional
To	InboxRequest	Date	Optional
CategoryType	InboxRequest	Integer	Optional
MessageType	InboxRequest	Integer	Optional
OrderReference	InboxRequest	String	Optional

#### 5.5.1.2. InboxResponse

The table below contains a list and details of the fields comprising the InboxResponse object:

- **View:** Number of messages shown. The application shows a maximum number of messages configured by network operators.
- **Total:** Total number of messages found. This field will show the total number of messages; this number will be different from <View> in the cases in which <View> has reached the maximum level permitted.
- **MessageData:** Breakdown of the messages; both elements and number entered will appear in <View>:
  - **Date:** Message date and time.
  - **Reference:** Request reference, if applicable. (I.e. AD-ES-12345-F5)
  - **Name:** Domain name, if there is one.
  - **Category:** Description of the message category; this will be accompanied by the *Type* attribute which will enter the code of the category.
  - **Message:** Description of the message, this will be accompanied by the *Type* attribute which will enter the code of the message.

Element	Parent field	Type
InboxResponse	SgndCommandResponse	InboxResponse

View	InboxResponse	Integer
Total	InboxResponse	Integer
MessageData	InboxResponse	MessageInfoDetail
Date	MessageData	DateTime
Reference	MessageData	String
Name	MessageData	String
Category	MessageData	String (+type)
Message	MessageData	String (+type)

### 5.5.1.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:InboxRequest>
        <sch5:Name>jmx-test-soap-tnr-1006.es</sch5:Name>
        <sch:InboxRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-MESSAGE-INBOX-INFO-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:SgndCommandRequest>
      </soapenv:Body>
    </soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:InboxResponse>
        <ns7:View>1</ns7:View>
        <ns7:Total>1</ns7:Total>
        <ns7:MessageData>
          <ns7>Date>2012-03-07T11:15:48.000+01:00</ns7>Date>
          <ns7:Reference>TN-361366-F5</ns7:Reference>
          <ns7:Name>jmx-test-soap-tnr-1006.es</ns7:Name>
          <ns7:Category Type="7">Transmission</ns7:Category>
          <ns7:Message Type="24">Transmission pending approval</ns7:Message>
        </ns7:MessageData>
      </ns4:InboxResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
```

```
<ns4:Timestamp>2012-03-07T11:18:35.213+01:00</ns4:Timestamp>
<ns4:ClientID>AR-MESSAGE-INBOX-INFO-1006</ns4:ClientID>
<ns4:ServerID>1331115515213</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.5.2. List of movements

The MovementRequest command allow to consult the data that is currently associated to the movements generated by the accredited registrar, filtering the result by the data provided in the input parameters.

#### 5.5.2.1. MovementRequest

The table below contains a list and details of the fields comprising the MovementRequest object:

- **Name:** Name of domain to be filtered.
- **From:** The date from which we want to filter.
- **To:** The date to which we want to filter.
- **Last:** Indicates the number of movements to be shown in a top-down order.
- **Month:** Month by which we want to filter. The <Year> field will be compulsory if we enter the <Month>.
- **Year:** Year by which we want to filter. The <Month> field will be compulsory if we enter the <Year>.

Element	Parent field	Type	Mandatory
MovementRequest	SgndCommandRequest	MovementRequest	Mandatory
Name	MovementRequest	String	Optional
From	MovementRequest	Date	Optional
To	MovementRequest	Date	Optional
Last	MovementRequest	Integer	Optional
Month	MovementRequest	Integer	Optional
Year	MovementRequest	Integer	Optional

#### 5.5.2.2. MovementResponse

The table below contains a list and details of the fields comprising the MovementResponse object:

- **View:** Number of movements shown. The application shows a maximum number of movements configured by network operators.

- **Total:** Total number of movements found. This field will show the total number of movements; this number will be different from <View> in the cases in which <View> has reached the maximum level permitted.
- **MovementData:** Breakdown of the messages; both elements and number entered will appear in <View>:
  - **Reference:** Request reference. (I.e. AD-ES-12345-F5)
  - **Name:** Domain name linked to the movement.
  - **Category:** Description of the movement category; this will be accompanied by the *Type* attribute which will enter the code of the same. The *Type values* may be:
    - **5** – Collect payment of domain
    - **8** – Collect payment for renewal
  - **Date:** Movement date and time.
  - **Period:** Period applied to the request.
  - **Amount:** Amount of the movement.

Element	Parent field	Type
MovementResponse	SgndCommandResponse	MovementResponse
View	MovementResponse	Integer
Total	MovementResponse	Integer
MovementData	MovementResponse	MovementInfoDetail
Reference	MovementData	String
Name	MovementData	String
Category	MovementData	String (+type)
Date	MovementData	DateTime
Period	MovementData	Integer
Amount	MovementData	String

### 5.5.2.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:MovementRequest>
        <sch6:Name>jmx-test-soap-1006.es</sch6:Name>
        <sch6:Last>10</sch6:Last>
      </sch:MovementRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-MOVEMENT-INFO-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:MovementResponse>
        <ns8:View>2</ns8:View>
        <ns8:Total>2</ns8:Total>
        <ns8:MovementData>
          <ns8:Reference>RNV-ES-361375-F5</ns8:Reference>
          <ns8:Name>jmx-test-soap-1006.es</ns8:Name>
          <ns8:Category Type="8">Cobro Renovación</ns8:Category>
          <ns8:Date>2012-03-07T11:17:55.000+01:00</ns8:Date>
          <ns8:Period>1</ns8:Period>
          <ns8:Amount>0,01 €</ns8:Amount>
        </ns8:MovementData>
        <ns8:MovementData>
          <ns8:Reference>AD-ES-361367-F5</ns8:Reference>
          <ns8:Name>jmx-test-soap-1006.es</ns8:Name>
          <ns8:Category Type="5">Cobro Dominio</ns8:Category>
          <ns8:Date>2012-03-07T11:15:55.000+01:00</ns8:Date>
          <ns8:Period>1</ns8:Period>
          <ns8:Amount>0,01 €</ns8:Amount>
        </ns8:MovementData>
      </ns4:MovementResponse>
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:41.962+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-MOVEMENT-INFO-1006</ns4:ClientID>
        <ns4:ServerID>1331115521962</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.5.3. List of invoices

The InvoiceRequest command will allow consultation of the data that is currently associated to the registrar's aggregate invoices stored on the system, filtering the result by the data provided in the input parameters.

#### 5.5.3.1. InvoiceRequest

The table below contains a list and details of the fields comprising the InvoiceRequest object:

- **Name:** Name of domain to be filtered.
- **Reference:** Request reference. (I.e. AD-ES-12345-F5)
- **Month:** Month by which we want to filter. The <Year> field will be compulsory if we enter the <Month>.

- **Year:** Year by which we want to filter. The <Month> field will be compulsory if we enter the <Year>.
- **Type:** Type of invoice to search; this field may contain the values:
  - 3 – Registration invoice.
  - 4 – Renewal invoice.
  - 5 – Summary invoice.

Element	Parent field	Type	Mandatory
InvoiceRequest	SgndCommandRequest	InvoiceRequest	Mandatory
Name	InvoiceRequest	String	Optional
Reference	InvoiceRequest	String	Optional
InvoiceData	InvoiceRequest	InvoiceData	Optional
Month	InvoiceData	Integer	Optional
Year	InvoiceData	Integer	Optional
Type	InvoiceData	Integer	Optional

### 5.5.3.2. InvoiceResponse

The table below contains a list and details of the fields comprising the InvoiceResponse object:

- **InvoiceData:** Breakdown of the invoice details:
  - **Reference:** Request reference. (I.e. AD-ES-12345-F5)
  - **Type:** Invoice type, the description of the invoice type will appear in the *Desc* attribute; this field may contain the following values:
    - 3 – Registration invoice.
    - 4 – Renewal invoice.
    - 5 – Summary invoice
  - **Date:** Date and time the invoice was generated.
  - **Amount:** Invoice amount, the *VAT* attribute indicates whether this tax is included in the amount.

Element	Parent field	Type
InvoiceResponse	SgndCommandResponse	InvoiceResponse
InvoiceData	InvoiceResponse	InvoiceInfoDetail
Reference	InvoiceData	String
Type	InvoiceData	Integer (+Desc)
Date	InvoiceData	DateTime
Amount	InvoiceData	Integer (+VAT)

### 5.5.3.3. Example

#### XML request sent:



```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
  xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
  xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:InvoiceRequest>
        <sch7:Name>jmx-test-soap-1006.es</sch7:Name>
        <sch:InvoiceRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-INVOICE-INFO-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:SgndCommandRequest>
      </soapenv:Body>
    </soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:InvoiceResponse />
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:42.544+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-INVOICE-INFO-1006</ns4:ClientID>
        <ns4:ServerID>1331115522544</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## **5.5.4. Invoice download**

The InvoiceDownloadResponse command will return the user the file for the invoice requested in the input request.

### **5.5.4.1. InvoiceDownloadRequest**

The table below contains a list and details of the fields comprising the InvoiceDownloadRequest object:

- **Reference:** Request reference. (I.e. AD-ES-12345-F5)

Element	Parent field	Type	Mandatory
InvoiceDownloadRequest	SgndCommandRequest	InvoiceDownloadRequest	Mandatory
Reference	InvoiceDownloadRequest	String	Optional

#### 5.5.4.2. InvoiceDownloadResponse

The table below contains a list and details of the fields comprising the InvoiceDownloadResponse object:

- **InvoiceData:** Files housed on the system for the requested reference:
  - **File:** File in base64 format.
  - **Name:** Original file name.
  - **Type:** Invoice type, the description of the invoice type will appear in the Desc attribute; this field may contain the following values:
    - 3 – Registration invoice.
    - 4 – Renewal invoice.
    - 5 – Summary invoice

Element	Parent field	Type
InvoiceResponse	SgndCommandResponse	InvoiceResponse
InvoiceData	InvoiceResponse	InvoiceInfoDownload
File	InvoiceData	Base64binary
Name	InvoiceData	String
Type	InvoiceData	Integer (+Desc)

#### 5.5.4.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:InvoiceDownloadRequest>
        <sch7:Reference>AR-00003117</sch7:Reference>
        <sch:InvoiceDownloadRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-INVOICE-DOWNLOAD-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:InvoiceDownloadRequest>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

##### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandResponse>
      <sch:InvoiceDownloadResponse>
        <sch7:InvoiceData>
<sch7:File>">/9j/4AAQSkZJRgABAQAAQABAAD/2wCEAAkGBhQSERUTExQVFBQWGBcWFxgVFxgYGRgWFxoWFxU
U
FhQXHcYeGBWjGhcXHy8gIycpLCwsFR4xNTAqNSYrLCkBCQoKDgwOGg8PGiWkHyQsLCwpKSwsLCwp
... simplified content...
AM05/TWnivUPLQWYzJY59V88vMuccj+DkT7a62kBXjP/AC7nHM/h5/rStLXq7lo7MzMyfVf+Hc/p
rvSHSLkT6lyO3LDFaWvV3LRmYQ7EzBiVRzOQlSo4ZszAZd2fKm+x2cCBZnmJJMkxwzJq+K9RRVG
N2f/2Q==</sch7:File>
        <sch7:Name>AR-00003117-A.pdf</sch7:Name>
        <sch7:Type Desc="Registration invoice">3</sch7:Type>
      </sch7: InvoiceData>
    </sch:InvoiceDownloadResponse>
    <sch:ClientData>
      <sch:UserID>XXXXXX</sch:UserID>
      <sch:UserPwd>XXXXXX</sch:UserPwd>
      <sch:ClientID>AR-INVOICE-DOWNLOAD-1006</sch:ClientID>
      <sch:Language>es</sch:Language>
    </sch:ClientData>
  </sch:SgndCommandResponse>
</soapenv:Body>
</soapenv:Envelope>
```

### 5.5.5. List of trade actions

The TradeActionRequest command allows us to consult the trade actions linked to the accredited registrar, filtering the result by the data provided in the input parameters.

#### 5.5.5.1. TradeActionRequest

The table below contains a list and details of the fields comprising the TradeActionRequest object:

- **TradeAction:** Trade action code by which we want to filter.

Element	Parent field	Type	Mandatory
TradeActionRequest	SgndCommandRequest	TradeActionRequest	Mandatory
TradeAction	TradeActionRequest	Long	Optional

#### 5.5.5.2. TradeActionResponse

The table below contains a list and details of the fields comprising the TradeActionResponse object:

- **TradeActionData:** Breakdown of trade actions:

- **Reference:** Request reference. (I.e. AD-ES-12345-F5)
- **Type:** Invoice type, the description of the invoice type will appear in the *Desc* attribute; this field may contain the following values:
  - 3 – Registration invoice.
  - 4 – Renewal invoice.
  - 5 – Summary invoice
- **Date:** Date and time the invoice was generated.
- **Amount:** Invoice amount, the *VAT* attribute indicates whether this tax is included in the amount.

Element	Parent field	Type
TradeActionResponse	SgndCommandResponse	TradeActionResponse
TradeActionData	TradeActionResponse	TradeActionData
TradeAction	TradeActionData	Long (+Desc)
Begin	TradeActionData	Date
End	TradeActionData	Date
Active	TradeActionData	Boolean

### 5.5.5.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:TradeActionRequest>
      <sch:TradeActionRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-TRADE-ACTION-INFO-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
```

```
<ns4:TradeActionResponse>
  <ns10:TradeActionData>
    <ns10:TradeAction Desc="AC SOAP Test">1029</ns10:TradeAction>
    <ns10:Begin>2012-01-01+01:00</ns10:Begin>
    <ns10:Active>true</ns10:Active>
  </ns10:TradeActionData>
  <ns10:TradeActionData>
    <ns10:TradeAction Desc="ACActivated">1009</ns10:TradeAction>
    <ns10:Begin>2010-01-05+02:00</ns10:Begin>
    <ns10:Active>true</ns10:Active>
  </ns10:TradeActionData>
  <ns10:TradeActionData>
    <ns10:TradeAction Desc="ACLinkedRegistrars">1011</ns10:TradeAction>
    <ns10:Begin>2010-01-05+02:00</ns10:Begin>
    <ns10:Active>true</ns10:Active>
  </ns10:TradeActionData>
</ns4:TradeActionResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:55.894+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-TRADE-ACTION-INFO-1006</ns4:ClientID>
  <ns4:ServerID>1331115535894</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.5.6. Trade action detail

The TradeActionDetailRequest command allows us to consult the detail of a trade action that is linked to an accredited registrar.

#### 5.5.6.1. TradeActionDetailRequest

The table below contains a list and details of the fields comprising the TradeActionDetailRequest object:

- **TradeAction:** Trade action code by which we want to filter.

Element	Parent field	Type	Mandatory
TradeActionDetailRequest	SgndCommandRequest	TradeActionDetailRequest	Mandatory
TradeAction	TradeActionDetailRequest	Long	Optional

#### 5.5.6.2. TradeActionDetailResponse

The table below contains a list and details of the fields comprising the TradeActionDetailResponse object:

- **TradeActionData:** Breakdown of trade actions:
  - **Reference:** Request reference. (I.e. AD-ES-12345-F5)
  - **Type:** Invoice type, the description of the invoice type will appear in the *Desc* attribute; this field may contain the following values:
    - 3 – Registration invoice.
    - 4 – Renewal invoice.
    - 5 – Summary invoice
  - **Date:** Date and time the invoice was generated.
  - **Amount:** Invoice amount, the *VAT* attribute indicates whether this tax is included in the amount.

- **Assignment:** Indicates the movements on which it is possible to use the trade action; the possible values are:
  - 1 – Registration
  - 2 – Renewal
  - 3 – Any time
- **DomainName:** Domain linked to the trade action; this element can appear several times.

Element	Parent field	Type
TradeActionResponse	SgndCommandResponse	TradeActionResponse
TradeActionData	TradeActionResponse	TradeActionDataDetail
TradeAction	TradeActionData	Long (+Desc)
Begin	TradeActionData	Date
End	TradeActionData	Date
Active	TradeActionData	Boolean
Assignment	TradeActionData	Integer
DomainName	TradeActionData	String

### 5.5.6.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:schl="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:TradeActionDetailRequest>
        <sch8:TradeAction>1009</sch8:TradeAction>
      <sch:TradeActionDetailRequest>
        <sch:ClientData>
          <sch:UserID>XXXXXX</sch:UserID>
          <sch:UserPwd>XXXXXX</sch:UserPwd>
          <sch:ClientID>AR-TRADE-ACTION-INFO-DETAIL-1006</sch:ClientID>
          <sch:Language>es</sch:Language>
        </sch:ClientData>
      </sch:SgndCommandRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host">
```

```

xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
<ns4:TradeActionDetailResponse>
  <ns10:TradeActionData>
    <ns10:TradeAction Desc="ACActivated">1009</ns10:TradeAction>
    <ns10:Begin>2010-01-05+02:00</ns10:Begin>
    <ns10:Active>true</ns10:Active>
    <ns10:Assignment>1</ns10:Assignment>
    <ns10:Assignment>2</ns10:Assignment>
    <ns10:Assignment>3</ns10:Assignment>
    <ns10:DomainName>dominiomod.es</ns10:DomainName>
    <ns10:DomainName>jmx-test-soap--1dns-89.es</ns10:DomainName>
    <ns10:DomainName>jmx-test-soap--2dns-89.es</ns10:DomainName>
    <ns10:DomainName>prueba.es</ns10:DomainName>
  </ns10:TradeActionData>
</ns4:TradeActionDetailResponse>
<ns4:ReturnCode>1000</ns4:ReturnCode>
<ns4:ServerData>
  <ns4:Timestamp>2012-03-07T11:18:56.375+01:00</ns4:Timestamp>
  <ns4:ClientID>AR-TRADE-ACTION-INFO-DETAIL-1006</ns4:ClientID>
  <ns4:ServerID>1331115536375</ns4:ServerID>
</ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

### 5.5.7. Link domain to a trade action

The TradeActionLinkDomainRequest command allows us to link a domain, which is under the accredited registrar's management, to a trade action which is also linked to the Accredited Registrar and is active and configured with the possibility of being linked at any time.

#### 5.5.7.1. TradeActionLinkDomainRequest

The table below contains a list and details of the fields comprising the TradeActionLinkDomainRequest object:

- **TradeAction:** Indicates the code of the trade action to be linked to the domain.
- **Name:** Name of the domain to be linked.

Element	Parent field	Type	Mandatory
TradeActionLinkDomainRequest	SgndCommandRequest	TradeActionLinkDomainRequest	Mandatory
TradeAction	TradeActionLinkDomainRequest	Long	Mandatory
Name	TradeActionLinkDomainRequest	String	Mandatory

#### 5.5.7.2. TradeActionLinkDomainResponse

The [Error codes in bulk processes](#) section shows the list of errors that may result while processing several domains at the same time.

The table below contains a list and details of the fields comprising the TradeActionLinkDomainResponse object:

- **ErrorCause:** Contains a list of <Name> and an *Id* attribute that will indicate the code of the error whereby it has not been possible to link the domains.

- **Name:** Name of the domain which it has not been possible to assign; there may be several registers of this element.

Element	Parent field	Type
TradeActionLinkDomainResponse	SgndCommandResponse	TradeActionLinkDomainResponse
ErrorCause	TradeActionLinkDomainResponse	List (+Id)
Name	ErrorCause	String

### 5.5.7.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-domain"
  xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:TradeActionLinkDomainRequest>
        <sch8:TradeAction>1009</sch8:TradeAction>
        <sch8:Name>jmx-test-soap--1dns-1006.es</sch8:Name>
        <sch8:Name>jmx-test-soap--2dns-1006.es</sch8:Name>
      </sch:TradeActionLinkDomainRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-TRADE-ACTION-LINK-DOMAIN-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:TradeActionLinkDomainResponse />
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:57.071+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-TRADE-ACTION-LINK-DOMAIN-1006</ns4:ClientID>
        <ns4:ServerID>1331115537071</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



### 5.5.8. Eliminate link between domain and trade action

The TradeActionUnlinkDomainRequest command allows us to eliminate a domain association under the accredited registrar's management and that it is also linked to a trade action that belongs to the Accredited Registrar (which is active and configured with the possibility of being linked at any time).

#### 5.5.8.1. TradeActionUnlinkDomainRequest

The table below contains a list and details of the fields comprising the TradeActionUnlinkDomainRequest:

- **TradeAction:** Indicates the code of the trade action to be unlinked to the domain.
- **Name:** Name of the domain to be unlinked.

Element	Parent field	Type	Mandatory
TradeActionUnlinkDomainRequest	SgndCommandRequest	TradeActionUnlinkDomainRequest	Mandatory
TradeAction	TradeActionUnlinkDomainRequest	Long	Mandatory
Name	TradeActionUnlinkDomainRequest	String	Mandatory

#### 5.5.8.2. TradeActionUnlinkDomainResponse

The [Error codes in bulk processes](#) section shows the list of problems that may result during the processing of several domains at the same time.

The table below contains a list and details of the fields comprising the TradeActionUnlinkDomainResponse object:

- **ErrorCause:** Contains a list of <Name> and an *Id* attribute that will indicate the code of the error whereby it has not been possible to link the domains.
  - **Name:** Name of the domain which it has not been possible to assign; there may be several registers of this element.

Element	Parent field	Type
TradeActionUnlinkDomainResponse	SgndCommandResponse	TradeActionUnlinkDomainResponse
ErrorCause	TradeActionUnlinkDomainResponse	List (+Id)
Name	ErrorCause	String

#### 5.5.8.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
  xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
  xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
  xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
  xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction">
```

```
<soapenv:Header/>
<soapenv:Body>
  <sch:SgndCommandRequest>
    <sch:TradeActionUnlinkDomainRequest>
      <sch8:TradeAction>1009</sch8:TradeAction>
      <sch8:Name>jmx-test-soap--1dns-1006.es</sch8:Name>
      <sch8:Name>jmx-test-soap--2dns-1006.es</sch8:Name>
    <sch:TradeActionUnlinkDomainRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-TRADE-ACTION-UNLINK-DOMAIN-1006</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:TradeActionUnlinkDomainResponse />
      <ns4:ReturnCode>1000</ns4:ReturnCode>
      <ns4:ServerData>
        <ns4:Timestamp>2012-03-07T11:18:57.696+01:00</ns4:Timestamp>
        <ns4:ClientID>AR-TRADE-ACTION-UNLINK-DOMAIN-1006</ns4:ClientID>
        <ns4:ServerID>1331115537696</ns4:ServerID>
      </ns4:ServerData>
    </ns4:SgndCommandResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 5.5.9. Statistics download

The `StatisticRequest` command allows the user to download some of the statistics files that are available for accredited registrars.

### 5.5.9.1. StatisticRequest

The table below contains a list and details of the fields comprising the `StatisticRequest` object:

- **Name:** Name of the file to be downloaded. The possible values are:
  - TRANSFER\_WEEKLY
  - TRANSFER\_DAILY
  - ACTIVE\_DOMAINS

Element	Parent field	Type	Mandatory
StatisticRequest	SgndCommandRequest	StatisticRequest	Mandatory
Name	StatisticRequest	String	Mandatory

### 5.5.9.2. StatisticResponse

The table below contains a list and details of the fields comprising the StatisticResponse object:

- **File:** File in base64 format.
- **Name:** Original file name.

Element	Parent field	Type
StatisticResponse	SgndCommandResponse	StatisticResponse
File	StatisticResponse	Base64binary
Name	StatisticResponse	String

### 5.5.9.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
xmlns:sch4="http://www.nic.es/sgnd/schemas-contact"
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:sch10="http://www.nic.es/sgnd/schemas-statistic">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:StatisticRequest>
        <sch10:Name>TRANSFER_WEEKLY</sch10:Name>
      </sch:StatisticRequest>
      <sch:ClientData>
        <sch:UserID>XXXXXX</sch:UserID>
        <sch:UserPwd>XXXXXX</sch:UserPwd>
        <sch:ClientID>AR-STATISTICA-TRANSFER-WEEKLY-5060</sch:ClientID>
        <sch:Language>es</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas"
xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:StatisticResponse>
        <ns12:File>/9j/4AAQSkZJRgABAQAAQABAAQ/2wCEAAkGBhQSERUTEwQVFBQWGBcWFxgVFxgYGRgWFxoWFxUU
FhQXHCYeGBWjGhcXHy8gIycpLCwsFR4xNTAqNSYrLCkBCQoKDgwOGg8PGiwkHyQsLCwpKSwSLCwp
... simplified content...
```

```
AM05/TWnivUPLQWYzJY59V88vMuccj+DkT7a62kBXjP/AC7nHM/h5/rStLXq7lo7MzMyfVf+Hc/p
rvSHSLkT6lyO3LDFaWvV3LRmYQ7EzBiVRzOQlSo4ZszAZd2fKm+x2cCBZnmdJJMkxwzJq+K9RRVG
N2f/2Q==</ns12:File>
  <ns12:Name>WeeklyDomainTransfers.xls</ns12:Name>
  <ns4:StatisticResponse>
  <ns4:ReturnCode>1000</ns4:ReturnCode>
  <ns4:ServerData>
    <ns4:Timestamp>2012-03-08T13:15:37.082+01:00</ns4:Timestamp>
    <ns4:ClientID>AR-STATISTIC-TRANSFER-WEEKLY-5060</ns4:ClientID>
    <ns4:ServerID>1331208937082</ns4:ServerID>
  </ns4:ServerData>
</ns4:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### 5.5.10. Download ownership certificate

The OwnershipCertificateRequest allows the user to download the ownership certificate for one of the domains under the management of the Accredited Registrar who lodges the request.

#### 5.5.10.1. OwnershipCertificateRequest

The table below contains a list and details of the fields comprising the OwnershipCertificateRequest object:

- **Name:** Name of the domain for which we want to obtain the ownership certificate.

Element	Parent field	Type	Mandatory
OwnershipCertificateRequest	SgndCommandRequest	OwnershipCertificateRequest	Mandatory
Name	OwnershipCertificateRequest	String	Mandatory

#### 5.5.10.2. OwnershipCertificateResponse

The table below contains a list and details of the fields comprising the OwnershipCertificateResponse object:

- **File:** File in base64 format.
- **Name:** Original file name.

Element	Parent field	Type
OwnershipCertificateResponse	SgndCommandResponse	OwnershipCertificateResponse
File	OwnershipCertificateResponse	Base64binary
Name	OwnershipCertificateResponse	String

#### 5.5.10.3. Example

##### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:sch="http://www.nic.es/sgnd/schemas" xmlns:sch1="http://www.nic.es/sgnd/schemas-
  domain" xmlns:sch2="http://www.nic.es/sgnd/schemas-host"
  xmlns:sch3="http://www.nic.es/sgnd/schemas-order"
  xmlns:sch4="http://www.nic.es/sgnd/schemas-contact">
```

```
xmlns:sch5="http://www.nic.es/sgnd/schemas-inbox"
xmlns:sch6="http://www.nic.es/sgnd/schemas-movement"
xmlns:sch7="http://www.nic.es/sgnd/schemas-invoice"
xmlns:sch8="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:sch9="http://www.nic.es/sgnd/schemas-ownershipcertificate">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:OwnershipCertificateRequest>
        <sch9:Name>jmx-test-soap-1006.es</sch9:Name>
        <sch:OwnershipCertificateRequest>
          <sch:ClientData>
            <sch:UserID>XXXXXX</sch:UserID>
            <sch:UserPwd>XXXXXX</sch:UserPwd>
            <sch:ClientID>AR-OWNERSHIP-CERTIFICATE-1006</sch:ClientID>
            <sch:Language>es</sch:Language>
          </sch:ClientData>
        </sch:SgndCommandRequest>
      </soapenv:Body>
    </soapenv:Envelope>
```

### **XML response received:**

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns4:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-tradeaction"
      xmlns:ns11="http://www.nic.es/sgnd/schemas-ownershipcertificate"
      xmlns:ns12="http://www.nic.es/sgnd/schemas-statistic"
      xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
      xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
      xmlns:ns4="http://www.nic.es/sgnd/schemas"
      xmlns:ns5="http://www.nic.es/sgnd/schemas-contact"
      xmlns:ns6="http://www.nic.es/sgnd/schemas-host"
      xmlns:ns7="http://www.nic.es/sgnd/schemas-inbox"
      xmlns:ns8="http://www.nic.es/sgnd/schemas-movement"
      xmlns:ns9="http://www.nic.es/sgnd/schemas-invoice">
      <ns4:OwnershipCertificateResponse>

        <ns11:File>/9j/4AAQSkZJRgABAQAAQABAAAD/2CEAAkGBhQSERUTEExQVFBQWGBcWFxgVFxgYGRgWFxoWFxUU
        FhQXHCYeGBWjGhcXHy8gIycpLCwsFR4xNTAQNSYrLCkBCQoKDgwOGg8PGiWkHyQsLCwpKSwsLCwp
        ... simplified content...
        AMO5/TWnivUPLQWYzJY59V88vMuccj+DkT7a62kBXjP/AC7nHM/h5/rStLXq7lo7MzMyfVf+Hc/p
        rvSHSLkT6lyO3LDFaWvV3LRmYQ7EzBiVRzOQlSo4ZszAZd2fKm+x2cCBZnmJmKxwzJq+K9RRVG
        N2f/2Q==</ns11:File>
        <ns11:Name>CERTF-8031161-4319352-67-2012.pdf</ns11:Name>
        <ns4:OwnershipCertificateResponse>
          <ns4:ReturnCode>1000</ns4:ReturnCode>
          <ns4:ServerData>
            <ns4:Timestamp>2012-03-07T11:18:55.511+01:00</ns4:Timestamp>
            <ns4:ClientID>AR-OWNERSHIP-CERTIFICATE-1006</ns4:ClientID>
            <ns4:ServerID>1331115535511</ns4:ServerID>
          </ns4:ServerData>
        </ns4:SgndCommandResponse>
      </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

### **5.5.11. List of blocked domains in an extraordinary cancellation process**

The command `ExtraordinaryCancellationRequest` allows you to consult the blocked domain list associated with the AR who carried out the request, i.e., the domains in an extraordinary cancellation process.

#### **5.5.11.1. ExtraordinaryCancellationRequest**

The object `ExtraordinaryCancellationRequest` does not have any input parameters.

Element	Parent field	Type	Mandatory
ExtraordinaryCancellationRequest	SgndCommandRequest	ExtraordinaryCancellationRequest	Mandatory

### 5.5.11.2. ExtraordinaryCancellationResponse

The table below contains a list and details of the fields comprising the ExtraordinaryCancellationResponse object:

- **Total:** Indicates the total number of blocked domains belonging to the AR that carried out the request.
- **Domain:** Details of the domains will appear, including elements and the number shown in <Total>:

- **Name:** Blocked domain name.

Element	Parent field	Type
ExtraordinaryCancellationResponse	SgndCommandResponse	ExtraordinaryCancellationResponse
Total	ExtraordinaryCancellationResponse	Integer
Domain	ExtraordinaryCancellationResponse	DomainDetail
Name	Domain	String

### 5.5.11.3. Example

#### XML request sent:

```
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sch="http://www.nic.es/sgnd/schemas">
  <soapenv:Header/>
  <soapenv:Body>
    <sch:SgndCommandRequest>
      <sch:ExtraordinaryCancellationRequest></sch:ExtraordinaryCancellationRequest>
      <sch:ClientData>
        <sch:UserID>XXXX</sch:UserID>
        <sch:UserPwd>XXXX</sch:UserPwd>
        <sch:ClientID>AR</sch:ClientID>
        <sch:Language>en</sch:Language>
      </sch:ClientData>
    </sch:SgndCommandRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### XML response received:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header />
  <SOAP-ENV:Body>
    <ns7:SgndCommandResponse xmlns:ns10="http://www.nic.es/sgnd/schemas-movement"
xmlns:ns11="http://www.nic.es/sgnd/schemas-invoice"
xmlns:ns12="http://www.nic.es/sgnd/schemas-tradeaction"
xmlns:ns13="http://www.nic.es/sgnd/schemas-ownershipcertificate"
xmlns:ns14="http://www.nic.es/sgnd/schemas-statistic"
xmlns:ns2="http://www.nic.es/sgnd/schemas-domain"
xmlns:ns3="http://www.nic.es/sgnd/schemas-order"
xmlns:ns4="http://www.nic.es/sgnd/schemas-contact"
xmlns:ns5="http://www.nic.es/sgnd/schemas-host"
xmlns:ns6="http://www.nic.es/sgnd/schemas-dnssec"
xmlns:ns7="http://www.nic.es/sgnd/schemas" xmlns:ns8="http://www.nic.es/sgnd/schemas-inbox" xmlns:ns9="http://www.nic.es/sgnd/schemas-extraordinarycancelation">
      <ns7:ExtraordinaryCancellationResponse>
```

```
<ns9:Total>2</ns9:Total>
<ns9:Domain>
  <ns9:Name>prueba3cancelacionespecial20150504.es</ns9:Name>
<ns9:Domain>
<ns9:Domain>
  <ns9:Name>prueba2cancelacionespecial20150504.es</ns9:Name>
<ns9:Domain>
</ns7:ExtraordinaryCancellationResponse>
<ns7:ReturnCode>1000</ns7:ReturnCode>
<ns7:ServerData>
  <ns7:Timestamp>2015-05-22T16:08:57.232+02:00</ns7:Timestamp>
  <ns7:ClientID>AR</ns7:ClientID>
  <ns7:ServerID>1432303737232</ns7:ServerID>
</ns7:ServerData>
</ns7:SgndCommandResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## 6. APPENDIX 1: SOAP RESPONSE CODES

The table below lists the codes the user can obtain by lodging a SOAP request on the SGND system.

Code	Description
1000	Request processed correctly
9000	Authentication error: The Accredited Registrar may be in one of the following situations: <ul style="list-style-type: none"> <li>Incorrect Username and/or password</li> <li>IP from which the request is made is not registered as a secure IP.</li> <li>The Accredited Registrar is deactivated.</li> </ul>
9100	Validation error: Some of the input fields have not been completed or the value entered is not what is expected.
9200	Business error: In this case the system will return <ReturnMsg> elements indicating the cause of the error; the language of these messages will be that entered by the Accredited Registrar in the <language> element of his/her input request.
9999	Unexpected error. An unexpected error has occurred when processing the request from the accredited registrar; try to make the request again and if the error persists, contact Red.es.

### 6.1. Error codes in bulk processes

In bulk operations involving domains (registration, de-registration, renewal, modification, transfer, transmission and linking/unlinking a domain to a trade action) the process may fail for isolated domains for a number of reasons; the table below lists the different error codes that may appear and the reason for them.

Code	Description
3001	The name of the domain on which we are trying to act is incorrect.
3002	The name of the domain on which we are trying to act does not exist.
3003	The name of the domain on which we are trying to act is blocked.
3004	The name of the domain on which we are trying to act is on a black list.
3005	The name of the domain on which we are trying to act is marked as phishing.
3006	The name of the domain on which we are trying to act is in the process of de-registration.
3007	The name of the domain on which we are trying to act is in the process of being transferred.



3008	The name of the domain on which we are trying to act is in the process of being renewed.
3009	The name of the domain on which we are trying to act is in the process of being transmitted.
3010	The Accredited Registrar is not the manager of the domain on which he/she is trying to act.
3011	The Accredited Registrar is already the manager of the domain on which he/she is trying to act.
3012	The administrative contact linked to the domain is different to the rest or his/her email address is not valid.
3013	The domain on which we are trying to act is already linked to a trade action.
3014	The domain on which we are trying to act is not linked to a trade action.
3015	The domain to be renewed has exceeded the maximum renewal date.
3016	You are not authorised to carry out the specified action on the domain given.
3017	The expiry date of the domain to be renewed is incorrect.
3018	To modify a domain, at least one field must be changed.
3019	The domain for which the domain registration was attempted is not available.
3020	The domain for which a registration request has been attempted already has a registration process under way.

## 7. APPENDIX 2: LEGAL FORM CODES

### 7.1. Appendix I: Spanish Provinces and Postal Prefixes

Postal Prefix	Province
01	ARABA
02	ALBACETE
03	ALICANTE
04	ALMERIA
05	AVILA
06	BADAJOS
07	BALEARIC ISLANDS
08	BARCELONA
09	BURGOS
10	CACERES
11	CADIZ
12	CASTELLON
13	CIUDAD REAL
14	CORDOBA
15	CORUÑA, A
16	CUENCA
17	GIRONA
18	GRANADA
19	GUADALAJARA
20	GIPUZKOA
21	HUELVA
22	HUESCA
23	JAEN
24	LEON
25	LLEIDA
26	RIOJA, LA
27	LUGO
28	MADRID
29	MALAGA
30	MURCIA
31	NAVARRA
32	OURENSE
33	ASTURIAS
34	PALENCIA
35	PALMAS, LAS
36	PONTEVEDRA
37	SALAMANCA
38	SANTA CRUZ DE TENERIFE
39	CANTABRIA
40	SEGOVIA
41	SEVILLA
42	SORIA
43	TARRAGONA
44	TERUEL
45	TOLEDO

46	VALENCIA
47	VALLADOLID
48	BIZKAIA
49	ZAMORA
50	ZARAGOZA
51	CEUTA
52	MELILLA

## 7.2. Appendix II: Country Acronyms ISO-3166-1 Alpha-2

Country	Code ISO-3166-1 Alpha-2
Afghanistan	AF
Albania	AL
Germany	DE
Andorra	AD
Angola	AO
Anguilla	AI
Antarctica	AQ
Antigua and Barbuda	AG
Netherlands Antilles	AN
Saudi Arabia	AS
Algeria	DZ
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD
Barbados	BB
Belgium	BE
Belize	BZ
Benin	BJ
Bermuda	BM
Belarus	BY
Bolivia	BO
Bosnia and Herzegovina	BA
Botswana	BW
Bouvet Island	BV
Brazil	BR
Brunei Darussalam	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI
Bhutan	BT
Cape Verde	CV
Cayman Islands	KY
Cambodia	KH
Cameroon	CM
Canada	CA
Central African Republic	CF
Cocos (Keeling), Island of	CC
Colombia	CO
Comoros	KM
Congo	CG
Congo, The Democratic Republic Of The (Zaire)	CD
Cook Islands	CK
North Korea, Democratic People's Republic Of	KP

Korea, Republic Of	KR
Ivory Coast	CI
Costa Rica	CR
Croatia	HR
Cuba	CU
Chad	TD
Czech Republic	CZ
Chile	CL
China, People's Republic	CN
Cyprus	CY
Denmark	DK
Dominica	DM
Dominican Republic	DO
Ecuador	EC
Egypt	EG
United Arab Emirates	AE
Eritrea	ER
Slovakia	SK
Slovenia	SI
Spain	ES
United States	US
Estonia	EE
Ethiopia	ET
Faroe Islands	FO
Philippines	PH
Finland	FI
Fiji	FJ
France	FR
Gabon	GA
Gambia	GM
Georgia	GE
South Georgia and the South Sandwich Islands	GS
Ghana	GH
Gibraltar	GI
Granada	GD
Greece	GR
Greenland	GL
Guam	GU
Guatemala	GT
Guernsey	GG
Guinea	GN
Equatorial Guinea	GQ
Guinea-Bissau	GW
Guyana	GY
Haiti	HT
Heard and McDonald Islands	HM
Honduras	HN
Hong Kong	HK
Hungary	HU
India	IN
Indonesia	ID
Iran	IR
Iraq	IQ
Ireland	IE
Isle Of Man	IM

Iceland	IS
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jersey	JE
Jordan	JO
Kazakhstan	KZ
Kenya	KE
Kyrgyzstan	KG
Kiribati	KI
Kuwait	KW
Laos	LA
Lesotho	LS
Latvia	LV
Lebanon	LB
Liberia	LR
Libya	LY
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macao	MO
Macedonia	MK
Madagascar	MG
Malaysia	MY
Malawi	MW
Maldives	MV
Mali	ML
Malta	MT
Falkland Islands	FK
Northern Mariana Islands	MP
Morocco	MA
Marshall Islands	MH
Mauritius	MU
Mauritania	MR
Mayotte	YT
United States Minor Outlying Islands	UM
Mexico	MX
Micronesia, Federated States Of	FM
Moldova	MD
Monaco	MC
Mongolia	MN
Montserrat	MS
Mozambique	MZ
Myanmar	MM
Namibia	NA
Nauru	NR
Christmas Island	CX
Nepal	NP
Nicaragua	NI
Niger	NE
Nigeria	NG
Niue	NU
Norfolk Island	NF
Norway	NO

New Caledonia	NC
New Zealand	NZ
British Indian Ocean Territory	IO
Oman	OM
Netherlands	NL
Pakistan	PK
Palau	PW
Panama	PA
Papua New Guinea	PG
Paraguay	PY
Peru	PE
Pitcairn	PN
French Polynesia	PF
Poland	PL
Portugal	PT
Puerto Rico	PR
Qatar	QA
United Kingdom	GB
Rwanda	RW
Romania	RO
Russia	RU
Solomon Islands	SB
El Salvador	SV
Samoa	WS
American Samoa	AS
Saint Kitts and Nevis	KN
San Marino	SM
Saint Pierre and Miquelon	PM
Saint Vincent and the Grenadines	VC
Saint Helena	SH
Saint Lucia	LC
Sao Tome and Principe	ST
Senegal	SN
Serbia	CS
Seychelles	SC
Sierra Leone	SL
Singapore	SG
Syria	SY
Somalia	SO
Sri Lanka	LK
Swaziland	SZ
South Africa	ZA
Sudan	SD
Sweden	SE
Switzerland	CH
Suriname	SR
Thailand	TH
Taiwan	TW
Tanzania	TZ
Tajikistan	TJ
Palestinian Territory, Occupied	PS
French Southern Territories	TF
Timor-Leste	TL
Togo	TG
Tokelau	TK

Tonga	TO
Trinidad and Tobago	TT
Tunisia	TN
Turks and Caicos Islands	TC
Turkmenistan	TM
Turkey	TR
Tuvalu	TV
Ukraine	UA
Uganda	UG
Uruguay	UY
Uzbekistan	UZ
Vanuatu	VU
Vatican City State	VA
Venezuela	VE
Vietnam	VN
Virgin Islands, British	VG
Virgin Islands, U.S.	VI
Wallis and Futuna	WF
Yemen	YE
Djibouti	DJ
Zambia	ZM
Zimbabwe	ZW



### 7.3. Appendix III: Legal Form Codes

Code	Legal Form
1	individual
39	Economic Interest Group
47	Association
59	Sports Association
68	Professional Association
124	Savings Bank
150	Community Property
152	Community of Owners
164	Order or Religious Institution
181	Consulate
197	Public Law Association
203	Embassy
229	Local Authority
269	Sports Federation
286	Foundation
365	Mutual Insurance Company
434	Regional Government Body
436	Central Government Body
439	Political Party
476	Trade Union
510	Farm Partnership
524	Public Limited Company
525	Sports Public Limited Company
554	Civil Society
560	General Partnership
562	General and Limited Partnership
566	Cooperative
608	Worker-owned Company
612	Limited Company
713	Spanish Office
717	Temporary Alliance of Enterprises
744	Worker-owned Limited Company
745	Regional Public Entity
746	National Public Entity
747	Local Public Entity
877	Others
878	Designation of Origin Supervisory Council
879	Entity Managing Natural Areas

## 7.4. Appendix IV: Algorithm codes and Digest for DNSSEC

Code	Algorithm
5	RSA-SHA1
7	RSA-SHA1-NSEC3
8	RSA-SHA256
10	RSA-SHA512

Code	Digest
1	SHA-1
2	SHA-256