

Management of synchronous operations on domain names of the ccTLD .it

Guidelines

Version 1.3

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1 Synchronous registration system of the Italian Registry

These “Guidelines for managing synchronous operations on domain names in the ccTLD.it” (hereafter “Synchronous System Technical Guidelines”) detail the operations needed for registering and maintaining domain names in accordance with synchronous registration.

The synchronous system for registering and maintaining a domain name is provided by organizations (henceforth Registrars) that have an active contract with the Registry (henceforth .it Registry or Registry of the ccTLD.it), which is subordinate to an accreditation procedure. The Registrar will always be an intermediary with the Registry for all domain name registering and maintenance and also for correctly updating the Database of Assigned Names (DBNA) by using the synchronous registration system.

The synchronous registration system allows Registrars to register and maintain domain names in realtime within the limits set out in the “Rules for assigning and managing domain names in the ccTLD.it” (hereafter, “Rules”).

The synchronous system for registering and maintaining domain names of the .it Registry uses the protocol EPP (Extensible Provisioning Protocol) to comply with internationally accepted standards and to comply with decisions already made by other ccTLDs and gTLDs.

The EPP is a synchronous client-server protocol based on XML. In the implementation of the .it Registry it provides secure connections for the management of the objects related to the registration and maintenance of domain names, namely:

- "domain" objects containing information about the Registrant (i.e. the assignee of the domain name), on technical and administrative contacts, and the authoritative nameservers associated with the domain name itself;
- "contact" objects with general information on the contacts referenced in "domain" objects i.e. the Registrant, the technical and administrative contacts.

The implementation of the various procedures complies as closely as possible to the EPP standard as shown in the RFC¹. The EPP allows extensions to the protocol to be defined so as to try to meet special needs, but these extensions only have a local significance and, with a few exceptions, the main ccTLDs and gTLDs that now implement synchronous systems have sought to limit them to the maximum and to adopt the universally recognized and accepted standard.

There are three categories of EPP commands that the Registrar (the client) may submit to the Registry (the server):

- commands for managing the session (login, logout, hello);
- commands for querying the server to obtain information on domain names and registered contacts as well as the presence of messages in the Registrar's polling queue (i.e. the queue of messages that the Registrar receives from the Registry);
- commands for registering and maintaining domain names and contacts associated with them.

The commands listed above should be submitted to the "epp.nic.it" Registry server except for the registration of domain names that have been cancelled for less than 7 (seven) days.

¹ RFC 5730 - Extensible Provisioning Protocol (EPP)

RFC 5731 - Extensible Provisioning Protocol Domain Name Mapping

RFC 5732 - Extensible Provisioning Protocol Host Mapping

RFC 5733 - Extensible Provisioning Protocol Contact Mapping

RFC 3375 - Generic Registry-Registrar Protocol Requirements

RFC 3735 - Guidelines for Extending the Extensible Provisioning Protocol

RFC 3915 - Domain Registry Grace Period Mapping for the Extensible Provisioning Protocol

In this case the request must be sent to the "epp-deleted.nic.it" server (see Section 3.1.3). In addition, the Registrar may send commands to that server to obtain information on domain names (see Section 4.2), to register a new contact (see Section 3.1.1), or to update the information associated with a registered contact (see Section 3.2.1).

A maximum of 5 static IP addresses are allowed access to the above-mentioned servers. The maximum number of sessions that can be open at the same time is 5, irrespectively of the number of clients used. The table in Sect. 5.11 shows the maximum number of commands to verify whether a particular domain name is registered in the registry database that a registrar can send in one day to the "epp.nic.it" and "epp-deleted.nic.it" servers. This table also indicates the maximum number of daily requests for the registration of domain names that have been cancelled within less than 7 (seven) days that Registrars can send to the "epp-deleted.nic.it" server.

More technical information on the EPP protocol and commands for managing the session and for querying the server are contained in the Appendices attached to the present.

The commands for registering and maintaining domain names and contacts associated with them are described in Section 3.

2 Objectives of the Guidelines

The "Synchronous System Technical Guidelines" contain the technical guidelines on the typical transactions of a system for registering and maintaining domain names based on a synchronous communication protocol.

The document details the transactions required for registering and maintaining domain names in accordance with the synchronous registration mode in the ccTLD .it.

To facilitate the reading of EPP commands sent by the Registrar and reported in the following sections, the required fields are specified in **bold**, while the fields that are extensions to the standard protocol are in *italics*.

Some fields of the various objects are listed according to the EPP standard and any future uses, but were not considered in the current implementation of the server.

2.1 Revisions

Versions later than 1.0 will be considered as revisions to this document.

Changes from version 1.0 of the 19th of June 2009:

- Table in Section 3.1.1.1: extension number of the fax added;
- Paragraphs 3, 4 and 7 in Section 3.1.6.1: amended;
- Sections 3.6.4 and 3.8.9: amended. Tests for congruence between the request and printed data in the database of the records for the "Request for change from Maintainer to Registrar of a registered domain name (with or without simultaneous change of Registrant): two tests added relating to the correct matching between the new identity of the Registrant (contactID) given in the request (ie that it is a new contactID and is not referenced as the Registrant for any domain name);
- Paragraphs 4 and 7 in Section 3.12.1.1.1;
- Section 3.14.4: amended. Tests of congruence of data in the request for registration of a domain name in response to an objection procedure and / or reassignment: two tests added on the correct matching of the new identity of the Registrant (contactID) given in the request (ie that it is a new contactID and is not referenced as the Registrant for any domain name);
- Table revised in Section 5.11. Other parameters regarding the 3000 maximum number of Check Domain commands that Registrars can send per day to the "epp.nic.it" and "epp-deleted.nic.it" servers and Create Domain commands that can be sent to the "epp-deleted.nic.it" server;

- Table revised in Section 5.7.1;
- Table revised in Section 5.7.2;
- Table revised in Section 5.7.3;
- Revision reason for error (Appendix D-Reason for error).

Changes from version 1.1 of the 18th of September 2009:

- Section 3.11.2.1 “Validation steps for the deletion of a domain name”: amended for the removal of *ok/noRegistrar* and *inactive/noRegistrar* statuses, in order to enable the current Registrar to delete domain names that are in those statuses;
- Section 3.11.2.4 “Effects of Delete Domain”: amended for the introduction of the deletion operation of the domain names that are in *ok/noRegistrar* and *inactive/noRegistrar* statuses by the current Registrar and their direct change to *pendingDelete/pendingDelete* status;
- Sections 3.11.3 “Restoring a deleted domain name” and 3.11.3.1 “Validation steps for the restoration of a domain name”: amended for the restoration of the domain names in *ok/noRegistrar* or *inactive/noRegistrar* status, by the current Registrar;
- Section 3.16.1 “Change to noRegistrar status”: amended for the introduction of the deletion operation of the domain names that are in *ok/noRegistrar* and *inactive/noRegistrar* statuses, by the current Registrar;
- Section 3.17 “Change in Registrant data by the Registry ”: added;
- Table revised in Section 5.11 “Other parameters” for the increase, from 3000 to 6000, of the maximum number of daily Check Domain commands that can be sent to the “epp.nic.it” server by each Registrar;
- Table revised in Section 5.7.2;
- Table revised in Section 5.7.3;
- Four new reasons for errors added (Appendix D - Reasons for errors): 4014, 4015, 5056 and 8069;
- Revision of the reasons for errors 9021 (=Domain is reserved), 9043 (=Domain is unassignable) and 9044 (=Domain is geographic): association between the return code of the EPP server (from 2302 to 2303) and the reason for error amended;
- Reason for error 9079 (Appendix D - Reasons for errors): amended.

Changes from version 1.2 of the 8th of March 2010:

- Section 3 “The transactions allowed on the domain names in the ccTLD.it” amended: starting from January 01, 2011 it is no longer possible to carry out the Bulk Transfer operation from Registrar to Maintainer and the operation for the transfer of a domain name from a Registrar to a Maintainer (with or without a simultaneous change of the Registrant);
- Section 3.2.2.1 “Validation steps for the simple change of a registered domain name”: amended for the addition or the removal of *clientTransferProhibited* and/or *clientUpdatedProhibited* constraint from a domain name in *pendingDelete/redemptionPeriod* status;
- Section 3.3.3 “Effects of the Update Domain for the change of Registrant”, 3.4.10 “Effects of a Transfer Domain”, 3.5 “Change of Registrar with the simultaneous change in the Registrant” and 5.5 “Charging and Billing” amended: the operation of modification of the Registrant is not charged to the Registrar anymore and therefore the expiry date of the domain name is not updated;
- Section 3.4.10 “Effects of a Transfer Domain” amended: the technical contact of the domain name is not duplicated any more but it is updated with the contact-ID of the

Registrant;

- Section 3.5.4 “Effects of Trade-Domain Transfer” amended: the admin and technical contacts of the domain name are not duplicated any more but they are updated with the contact-ID of the new Registrant;
- Section 3.7 “Request for a change from Registrar to Maintainer of a registered domain name” amended: starting from January 01, 2011 it is no longer possible to carry out the “hybrid” operation for the transfer of a domain name from a Registrar to a Maintainer;
- Section 3.9 “Request for the change from Registrar to Maintainer with a simultaneous change in the Registrant of a registered domain name” amended: starting from January 01, 2011 it is no longer possible to carry out the “hybrid” operation for the transfer of a domain name from a Registrar to a Maintainer with a simultaneous change of the Registrant;
- Sections 3.10 “Transfer of a large number of domain names through a *Bulk Transfer*” and the next after that amended: starting from January 01, 2011 it is no longer possible to carry out the Bulk Transfer operation from a Registrar to a Maintainer;
- Section 3.11.2 “Deleting a registered domain name” amended for the cancellation of a domain name by the Registrar also when the maintenance period has expired, when the juridical obligation on the basis of which the Registrar was obliged to maintain the domain name is terminated, in fact or in law;
- Section 3.11.2.1 “Validation steps for the deletion of a domain name”: amended in order to disable the current Registrar to delete domain names that are in *ok/noRegistrar* status;
- Section 3.11.2.4 “Effects of Delete Domain” amended: the current Registrar cannot delete domain names that are in *ok/noRegistrar* status;
- Sections 3.11.3 “Restoring a deleted domain name” and 3.11.3.1 “Validation steps for the restoration of a domain name”: amended for the restoration of the domain names in *pendingDelete/clientTransferProhibited/redemptionPeriod* status;
- Section 3.11.3.4 “Effects of Update Domain with ext = restore” amended: change of the status diagram;
- Section 3.12.1.1 “Written documentation to send to the Registry”: amended. If the transaction for the acquisition of the registration form, by the Registrar, took place electronically, the IP address and the log file have to be attached to the written documentation that has to be sent to the Registry following random checks;
- Section 3.16.1 “Change to noRegistrar status”: amended for the publication of the email sent to the Registrant. Moreover the current Registrar cannot delete domain names that are in *ok/noRegistrar* status;
- Table revised in Section 5.6 ;
- Table revised in Section 5.7.3;
- Two new reasons for errors added (Appendix D - Reasons for errors): 9086 and 9087.

2.2 Definitions

Term	Definition
Charge	The withdrawal from the Registrar's credit of the cost of all billable transactions including VAT. The cost of each transaction is debited immediately, so that the amount of the Registrar's credit is constantly updated.

Polling queue	The queue of all messages that the client receives from the server. By querying its polling queue, the Registrar can see some notifications relating to domain names (actions started, currently under way, or terminated on a given domain name), authentication, and credit level.
Registry Database	Database maintained by the .it Registry, where all data relating to domain names assigned in the ccTLD.it are stored and managed.
Billing	The cost of transactions that will be listed on the invoice to be sent to the Registrar. The invoice contains all the transactions carried out by the Registrar in respect of a particular payment. The billing may not necessarily take place the same time as the charge.
Grace period	The 15 (fifteen) days immediately following the expiry of the domain name.
Host/name server	The terms "host" and "name server" have the same meaning in this document and identify a generic nameserver that may be subject or not subject to the domain name to which it is associated. For example, the nameserver ns.example.it is subject to the example.it domain name.
Maintainer	An organization that performs asynchronous registrations of domain names on their own behalf or on behalf of Registrants.
MNT	Tag of Maintainer.
Redemption period	The 30 (thirty) days after the request for cancellation of a domain name by the Registrar.
Registrant	Person or organization requesting the registration of a domain name or who has already been assigned one.
Registrar	An organization that performs synchronous registrations of domain names on their own behalf or on behalf of Registrants. To become a Registrar, an organization must pass an accreditation test provided by the Registry.
Registry	The organization responsible for assigning domain names and for managing registers and primary nameservers for a TLD. It is delegated to this task directly by ICANN.
Status	A status characterizes the current transactional condition of an object and its possible future transitions. Compared to the asynchronous system, the synchronous system introduces the concept of status for managing contact object, and the concept of "Multistatus" is more underlined and used. See the "Rules" for more information on the statuses of the synchronous system.

3 The transactions allowed on the domain names in the ccTLD.it

There are two categories of transactions allowed on the domain names:

- transactions carried out by the Registrar on its own behalf, on behalf of the Registrant, or at the request of a competent Authority;
- transactions carried out by the Registry or at the request of a competent Authority.

The main transactions provided in the synchronous registration system of the .it Registry are as follows:

- registration and maintenance;
- change of the Registrant;
- change of the Registrar (with or without a simultaneous change of the Registrant);
- deletion of a contact or a domain name;
- recovery of a deleted domain name;
- revocation (at the request of a competent Authority or by the Registry).

In addition to the above is a "Bulk transfer" (the transfer of a considerable number of domain names between two Registrars or from a Maintainer to a Registrar) and so-called "hybrid" transactions, that is the transfer of a domain name from a Maintainer to a Registrar (with or without a simultaneous change of the Registrant), which involve both the synchronous registration system, with Registrars, and the asynchronous system, with Maintainers.

3.1 Registering a new domain name

Requests for registration are made via the EPP protocol by the Registrar for its own account or for the Registrant. The Registrar must obtain the explicit acceptance by the Registrant, of any declaration of assumption of responsibility relating to the registration of the domain name. The procedure by which such approval is acquired by the Registrar (see Section 3.1.6), must be such as to permit transmission to the Registry in writing, if the Registry should so require as described in Section 3.12.

The assignment of domain names in the ccTLD.it is on a "first come first served" basis. In the synchronous registration system, the chronological order of receipt of a request for registration of a domain name, syntactically and semantically correct, is determined on the basis of the time of its inclusion in the Registry Database by the Registrar. The success of a request for registration and its inclusion in the Registry Database take place at the same time.

To register a new domain name, the Registrar must first register all the contacts referenced in the new domain name (if not yet present in the Registry Database), that is to say the Registrant ("registrant"), the administrative contact ("admin"), and the technician contacts ("tech"). The Registrar can then proceed with the registration of new domain name using the previously registered contacts.

The registrations are made through the use of EPP Create command. Depending on the type of object to register, it is referred to as Create Contact for contacts, or Create Domain for domain names.

The creation of the hosts associated with a domain name, as with changes to them, takes place at the same time as the Create Domain and Update Domain commands. The host object is seen as a property of the domain object and thus the transactions on the host are not implemented.

3.1.1 Create Contact

The registration of a new contact is made by using Create Contact command.

3.1.1.1 Contact object fields required

The Create command needs the following information:

- **ID of the contact** (with a specific format described below)
- **Just one PostalInfo** organized as follows:
 - **Name**
 - Organization (required if the Registrant is not a natural person)

- **Address** organized as follows:
 - **Street/Square 1**
 - Street/Square 2
 - Street/Square 3
 - **City**
 - **Province**
 - **Postcode** (postalCode)
 - **Nation** (countryCode)
- **Phone**
- Phone extension
- Fax
- Fax extension
- **Email**
- **Contact AuthInfo**
- **ConsentForPublishing**
- *Registrant Data (only required for Registrants)*
 - *Nationality (nationalityCode)*
 - *EntityType*
 - *RegCode*

The ID of the contact is an alphanumeric code that uniquely identifies a contact ("registrant", "admin" and "tech") within the Registry Database.

The characters allowed are letters (a-z A-Z) (ASCII) hyphen (-), and digits (0-9).

The AuthInfo contact, i.e. the password for the authorization of the request for specific transactions, is ignored by the server. However, since it is a required field, it must always be filled, if necessary just with a zero value (see Section 3.1.1.3).

The section relating to Registrant data is required only if the contact to register is the same as the Registrant of the domain name.

If the section concerning the Registrant is not filled in, the contact-ID to be registered can only be referenced as a technical or administrative contact of the domain name. If, however, the section relating to the Registrant is filled in, the same contact-ID can be used to reference both the Registrant of a domain name and the administrative contact and/or technical contact.

The following table shows the contact object fields and their correspondence with the XML tag of the request:

Field	Description	XML Tag	XML Tag Attribute	Cardinality	Length	Value
Contact ID	Unambiguous identifier of the contact (technical, administrative or registrant)	contact:id		1	1-16	Alphanumeric value given by Registrar. Characters allowed are: letters (a-z A-Z)(ASCII), dash (-) and numbers (0-9).
PostalInfo		contact:postalInfo (solo type="loc")		1		
Name	First and family name of the contact	contact:name		1	1-255	

Organization	Identifies the organization which the contact belongs to	contact:org		0-1	1-255	Mandatory only if the Registrant is not a natural person (EntityType <> 1). It must be equal to the Name value if the Registrant is a natural person (EntityType = 1).
Address	Postal address: street, city, province, post code, country	contact:addr		1		
Street / Square	Name of street or square plus house/office number; of the registered office / residence of the contact	contact:street		1-3	1-128	A max. of 3 street fields can be filled.
City	Name of the city of the registered office / residence of the contact	contact:city		1	1-128	
Province	Initials of the province or name of the foreign country relating to the registered office / residence of the contact	contact:sp		1	1-128	If Country = IT, the province must contain the two letters corresponding to an Italian province.
Post code	Postcode of the city relating to the registered office / residence of the contact	contact:pc		1	1-16	Post code.
Country	Acronym of the country relating to the registered office / residence of the contact	contact:cc		1	2	The ISO 3166-1 code of the country must be given (e.g. IT, FR, NL). This coincides with the value of the Nationality field if the Registrant is not a natural person (EntityType <> 1).
Telephone	Telephone number of the contact	contact:voice		1		ISO international format must be used (e.g. +39.050315000).
Telephone extension number	Extension number	contact:voice	x	0-1	1-10	A value with a maximum of ten digits must be inserted.
Fax	Fax number of the contact	contact:fax		0-1		ISO international format must be used (e.g. +39.050315000).
Fax extension number	Extension Number	contact:fax	x	0-1	1-10	Max. 10 (ten) digits can be inserted.
Email	Contact's email address	contact:email		1		Use the RFC2822 and following format (e.g.: user@domain.it).

AuthInfo	Identifies the authorization password for specific operations on the contact	contact:authInfo		1		Ignored by server. Can be present and can be empty.
Disclose		contact:disclose		0-1		Ignored by server.
ConsentForPublishing	Boolean value to allow the publication of contact's personal data	extcon:consentForPublishing		1	1	Values allowed: true / 1 to allow false / 0 to deny
Registrant's Data		extcon:registrant		0-1		
Nationality	Identifies contact's nationality	extcon:nationalityCode		1	2	Must be one of the ISO 3166-1 codes (e.g.: IT, FR, NL, ..). If the Registrant is not a natural person (EntityType \neq 1) it must be equal to the Nation value.
EntityType	Numeric value to identify Registrant typology	extcon:entityType		1	1	Allowed values: 1. Italian and foreign natural persons 2. Companies/one man companies 3. Freelance workers/ professionals 4. non-profit organizations 5. public organizations 6. other subjects 7. foreigners who match 2-6.
RegCode	Domain name registrant's Tax-code	extcon:regCode		1	1-36	If EntityType = 1: if the Registrant is an Italian natural person, it contains his/her Codice Fiscale; for foreigners it can contain a document number. If EntityType = 4 and the Registrant is an association without VAT number and numeric tax code, it must be equal to "n.a.". If EntityType = 7: it contains the VAT number. In all the other cases, it must be equal to VAT number or the numeric tax code.

3.1.1.2 Validation steps for Contact registration

The system verifies that the request to Contact is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *contact-1.0.xsd*, *extcon-1.0.xsd* (see Appendix A - EPP Protocol);
- the following additional restrictions:
 - the ID of the person must not begin with the prefix "DUP" (used to identify duplication of contacts);
 - the ID of the contact must contain letters (a-z A-Z) (ASCII) hyphen (-), and digits (0-9);
 - the contact with the specified ID must not be present in the Registry Database;
 - the request must contain all the required fields;
 - it must comply with the cardinality of different fields;
 - the telephone and fax numbers must be in ISO format (eg: +39.0503139811). Any extension numbers (telephone and fax) in the "x" extension of the "voice" and "fax" fields can only have a maximum of 10 digits;
 - the value of the Email field must be in the format defined by RFC2822 and later;
 - the values of the Nation and Nationality fields must follow ISO 3166-1 (eg IT, FR, DE, etc.);
 - if the Registrant is other than a natural person (EntityType <> 1), the Nation and Nationality fields must match and must correspond to the ISO 3166-1 codes for one of the countries belonging to the European Union;
 - if the Registrant is a natural person (EntityType = 1), the Nation and Nationality fields may differ but at least one of them must correspond to the ISO 3166-1 code of a country belonging to the European Union;
 - if the Registrant is a natural person (EntityType = 1), the Name and Organization (if specified) fields must be the same. Where the organization is not specified, it will be forced to the value of the Name field;
 - if the Nation = IT, the Province field must contain the tag of two letters corresponding to a province in Italy;
 - if Nationality = IT:
 - if EntityType = 1, RegCode must have the format of a tax code;
 - if EntityType <> 1, RegCode must be of the form of a VAT number (11 digits) or tax identification number;
 - if EntityType = 4, RegCode must be of the form of a numeric tax code or the value "n.a." but only in case of associations with no VAT number or no numeric tax code;
 - if Nationality <> IT and the Registrant is an entity other than a natural person, the field EntityType must contain the value 7.

3.1.1.3 Examples of a Create Contact request

Example 1

Create Contact command for registering an administrative or technical contact. In the request for Create Contact below, the section on data from the Registrant is missing:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
    epp-1.0.xsd">
  <command>
    <create>
      <contact:create
        xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
```

```

xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
<contact:id>mr0001</contact:id>
<contact:postalInfo type="loc">
  <contact:name>Mario Rossi</contact:name>
  <contact:addr>
    <contact:street>Via Moruzzi 1</contact:street>
    <contact:city>Pisa</contact:city>
    <contact:sp>PI</contact:sp>
    <contact:pc>56124</contact:pc>
    <contact:cc>IT</contact:cc>
  </contact:addr>
</contact:postalInfo>
<contact:voice x="2111">+39.050315</contact:voice>
<contact:fax>+39.0503152593</contact:fax>
<contact:email>mario.rossi@example.it</contact:email>
<contact:authInfo>
  <contact:pw></contact:pw>
</contact:authInfo>
</contact:create>
</create>
<extension>
  <extcon:create
    xmlns:extcon="http://www.nic.it/ITNIC-EPP/extcon-1.0"
    xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extcon-
1.0 extcon-1.0.xsd">
<extcon:consentForPublishing>true</extcon:consentForPublishing>
  </extcon:create>
</extension>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

Example 2

Create Contact for the registration of a Registrant contact. The section relating to the Registrant data is present in the command.

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
epp-1.0.xsd">
  <command>
    <create>
      <contact:create
        xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
        <contact:id>mr0001</contact:id>
        <contact:postalInfo type="loc">
          <contact:name>Mario Rossi</contact:name>
          <contact:org>Mario Rossi</contact:org>
          <contact:addr>
            <contact:street>Via Moruzzi 1</contact:street>
            <contact:city>Pisa</contact:city>
            <contact:sp>PI</contact:sp>
            <contact:pc>56124</contact:pc>
            <contact:cc>IT</contact:cc>
          </contact:addr>
        </contact:postalInfo>
      </contact:create>
    </create>
  </command>
</epp>

```

```

        </contact:addr>
    </contact:postalInfo>
    <contact:voice x="2111">+39.050315</contact:voice>
    <contact:fax>+39.0503152593</contact:fax>
    <contact:email>mario.rossi@example.it</contact:email>
    <contact:authInfo>
        <contact:pw></contact:pw>
    </contact:authInfo>
</contact:create>
</create>
<extension>
    <extcon:create
        xmlns:extcon="http://www.nic.it/ITNIC-EPP/extcon-1.0"
        xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extcon-
1.0 extcon-1.0.xsd">
<extcon:consentForPublishing>true</extcon:consentForPublishing>
        <extcon:registrant>
            <extcon:nationalityCode>IT</extcon:nationalityCode>
            <extcon:entityType>1</extcon:entityType>
            <extcon:regCode>RSSMRA64C14G702Q</extcon:regCode>
        </extcon:registrant>
    </extcon:create>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

3.1.1.4 Examples of reponses to a Create Contact request

Example 1

Response to a successful Create Contact :

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="1000">
    <msg lang="en">Command completed successfully</msg>
</result>
    <resData>
<contact:creData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-
1.0.xsd">
    <contact:id>MR0001</contact:id>
    <contact:crDate>2008-04-16T11:43:32+02:00</contact:crDate>
    </contact:creData>
    </resData>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>DE1726130025</svTRID>
</trID>
</response>
</epp>

```

Example 2

Response to a failed Create Contact. The error is in the tax-code of the Registrant indicated in RegCode of the request:

```

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

```

```
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="2004">
<msg lang="en">Parameter value range error</msg>
<extValue>
<value>
<reasonCode xmlns="">8027</reasonCode>
</value>
<reason lang="en">Registrant: invalid reg code</reason>
</extValue>
</result>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>DE6260477045</svTRID>
</trID>
</response>
</epp>
```

3.1.1.5 Effects of the Create Contact

If the Create Contact command submitted by the Registrar is executed successfully and passes the validation steps described in Section 3.1.1.2, a contact is registered in the Registry Database and the following fields are set:

- if the contact is a "registrant" and is a natural person (i.e., EntityType = 1), the Organization field, if empty, is forced to the value of the Name field;
- registration data (coinciding with the date and time of insertion of the contact into the Database);
- current client ID;
- client ID that carried out the registration;
- the contact goes into **ok**.

3.1.2 Create Domain

A new domain name is registered by using the Create Domain command.

3.1.2.1 Fields of the domain object required

The Create Domain command needs the following information:

- **Domain name**
- Period of validity of the domain name (ignored by the server - default 1 year)
- **List of host items associated with the domain name** organized as follows:
 - Host name
 - IP address - only for hosts subject to the domain name.
- **The Registrant** (specifying the ID of the contact associated with the Registrant)
- **admin contact type** (specifying the ID of the administrative contact)
- **tech contact type** (specifying the ID of the technical contact)
- **AuthInfo of the domain name**

If the Registrant is a natural person (EntityType = 1) the Registrant and administrative contact (admin) must be the same. These fields will therefore contain the same contact-ID associated with a contact Database already registered in the Registry Database, including the extension of the Registrant.

The following table shows the fields of the domain object and the related correspondence

with the XML tag of the request:

Field	Description	XML Tag	XML Tag Attribute	Cardinality	Value
Domain name	Domain name to be registered	domain:name		1	Bear in mind the following limitations: - second level domain name minimum length is 3 characters - maximum length for every domain name part is 63 characters. Total length cannot be greater than 255 characters - characters allowed : numbers (0-9), letters (a-z) (ASCII) and dash (-). - a domain name cannot begin or end with the "-" character - it must not begin with "xn--"
Period	Domain name validity period	domain:period		0-1	Ignored by server. Default value is a year
Time unit		domain:period	unit="y m"	0-1	
Domain name associated hosts	Domain name associated hosts list as host name and ip address couples	domain:ns		1	
Host properties		domain:hostAttr		2-6	Number of associated hosts for a domain must be between 2 and 6
Host name	Associated host name	domain:hostName		1	
IP address	Host's IP address	domain:hostAddr		0-1	Only required for the hosts subordinate to the domain, is needed to generate the "glue records"
IP address type	Specify IPv4 for every IP address	domain:hostAddr	ip	0-1 (default "v4")	Default type is "IPv4"
Registrant	Identifies the person or the organization requesting a domain name registration or has already one assigned	domain:registrant		1	Must contain the contact-ID associated to the Registrant, already registered in the Registry's database by the Registrar
Admin contact	Identifies the domain name admin contact	domain:contact	type="admin"	1	Must contain the admin contact, already registered in the Registry's database by the Registrar. If the Registrant is a natural person, admin and Registrant fields must be the same
Technical Contact	Identifies the domain name technical contact	domain:contact	type="tech"	1-6	Must contain the contact-ID associated to the technical contact, already registered in the Registry's database by the Registrar

Domain name AuthInfo	Identifies the authorization password for specific operation on the domain name	domain:authInfo		1	Alphanumeric value given by the Registrant to the domain name Registrant. Its length is between 8 to 32 characters.
-------------------------	---	-----------------	--	---	---

3.1.2.2 Validation steps for the registration of a domain name

The system verifies that the request for Create Domain is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *domain-1.0.xsd*, *host-1.0.xsd* (see Appendix A - EPP Protocol);
- the following additional restrictions:
 - the domain name have the ".it" region suffix;
 - the domain name cannot be reserved, geographical or non-assignable as specified in the "Rules";
 - the domain name applied for must not be present in the Registry Database;
 - the domain name requested must meet the following requirements:
 - minimum length of 3 characters for second-level domain names;
 - maximum length of 63 characters for each component of the domain name. The length must not exceed 255 characters;
 - characters allowed: digits (0-9), letters (a-z) (ASCII) hyphen (-);
 - cannot begin or end with a hyphen (-);
 - must not contain the string "xn --" in the first four characters;
 - the request must contain all the required fields;
 - it must comply with the cardinality of different fields;
 - AuthInfo must have a minimum length of 8 characters and maximum of 32 characters;
 - the ID of the contacts referenced in the domain name to register (registrant, admin and tech) must already be present in the Registry Database;
 - the Registrant with the specified ID must be present in the Registry Database and created as a Registrant contact (i.e the fields filled for the data section of the Registrant);
 - the contact list must not contain the same two contacts with the same role;
 - the number of administrative and technical contacts must comply with the table in Sect. 5.11;
 - if the domain name is requested by a natural person, the Registrant and Admin fields must be the same;
 - the host list must not contain two hosts with the same IP address or with the same name;
 - the number of hosts to be associated with the domain name must comply with the table in Sect. 5.11;
 - for each host subject to a domain name the address must be specified in IPv4 format (glue record).

3.1.2.3 Examples of Create Domain requests

Example 1

Create Domain command to register a domain name ("example.it") maintained by subordinated hosts ("ns1.example.it" and "ns2.example.it"):

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
```



```

    epp-1.0.xsd">
<command>
  <create>
    <domain:create
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
      xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
        domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:period unit="y">1</domain:period>
      <domain:ns>
        <domain:hostAttr>
          <domain:hostName>ns1.example.it</domain:hostName>
          <domain:hostAddr
ip="v4">193.205.245.70</domain:hostAddr>
        </domain:hostAttr>
        <domain:hostAttr>
          <domain:hostName>ns2.example.it</domain:hostName>
          <domain:hostAddr
ip="v4">193.205.245.77</domain:hostAddr>
        </domain:hostAttr>
      </domain:ns>
      <domain:registrant>mr0001</domain:registrant>
      <domain:contact type="admin">cl8013</domain:contact>
      <domain:contact type="tech">mb8015</domain:contact>
      <domain:authInfo>
        <domain:pw>22fooBAR</domain:pw>
      </domain:authInfo>
    </domain:create>
  </create>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

The IP addresses of the hosts “ns1.example.it” and “ns2.example.it” are mandatory because they are subordinate with respect to the domain name “example.it” to register.

Example 2

Create Domain for the registration of a domain name (“paperino.it”) managed by hosts that are not subordinate (“ns1.example.it” e “ns.dominio.org”):

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <create>
      <domain:create
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>paperino.it</domain:name>
        <domain:period unit="y">1</domain:period>
        <domain:ns>
          <domain:hostAttr>
            <domain:hostName>ns1.example.it</domain:hostName>
          </domain:hostAttr>
          <domain:hostAttr>
            <domain:hostName>ns.dominio.org</domain:hostName>

```

```

        </domain:hostAttr>
    </domain:ns>
    <domain:registrant>mm-001</domain:registrant>
    <domain:contact type="admin">mm-001</domain:contact>
    <domain:contact type="tech">mb-001</domain:contact>
    <domain:authInfo>
        <domain:pw>22fooBAR</domain:pw>
    </domain:authInfo>
    </domain:create>
</create>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

The IP addresses of the hosts “ns1.example.it” e “ns.dominio.org” are not inserted into the request because they are not subordinate with respect to the domain name “paperino.it” to register.

The two examples shown above correspond to Scenario 1 in Section 3.1.5.

3.1.2.4 Examples of responses to a Create Domain request

Example 1

Response to a successful Create Domain:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
    <response>
        <result code="1000">
            <msg lang="en">Command completed successfully</msg>
        </result>
        <resData>
            <domain:creData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
                <domain:name>example.it</domain:name>
                <domain:crDate>2008-04-16T11:43:32+02:00</domain:crDate>
                <domain:exDate>2009-04-16T23:59:59+02:00</domain:exDate>
            </domain:creData>
        </resData>
        <trID>
            <clTRID>ABC-12345</clTRID>
            <svTRID>DE1726130025</svTRID>
        </trID>
    </response>
</epp>

```

The domain name specified in the Create Domain request is registered in the Registry's Database and is put in **inactive/dnsHold**. The domain name is thus waiting for the DNS configuration test.

Example 2

Response to a failed Create Domain che non si è concluso con successo. The error is in the fact that in the request for registration of a domain name a contact not created as a registrant is shown as a Registrant.

```

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

```

```
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="2308">
<msg lang="en">Data management policy violation</msg>
<value>
<registrant xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">CL-007</registrant>
</value>
<extValue>
<value>
<reasonCode xmlns="">8030</reasonCode>
</value>
<reason lang="en">Contact is not a registrant</reason>
</extValue>
</result>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>DE7026330253</svTRID>
</trID>
</response>
</epp>
```

3.1.2.5 Effects of the Create Domain request

If the Create Contact command submitted by the Registrar is executed successfully and passes the validation steps described in Section 3.1.1.2, a domain is registered in the Registry Database and the following fields are set:

- date of registration (coinciding with the date and time for entering the domain name in the Database);
- current client ID;
- client ID that carried out the registration;
- expiry date of the domain name;
- the domain name goes into **inactive/dnsHold**;
- the domain name is debited to the Registrar and is immediately available for invoicing.

The contacts specified that are not yet referenced go into **ok/linked**.

The Registry, upon registration of the domain name in the Database, emails the Registrant a summary of the data in the Database for the registered domain name, with the following format:

Subject: 10300 - New registration of the domain name <name of the domain>

We inform you that on <registration date> the domain name <name of the domain> has been registered through the Registrar <Registrar>.

The outcome of the registration is:

Registrant:

Address:

Country:

Nationality (for natural persons only):

Phone:

Fax:
RegCode:
Email:
EntityType:

The domain name <name of the domain> has been put in <status> status.

The Registrant, has made the following choice concerning consent:

- consent for personal data treatment for registration: YES
- consent for personal data treatment for diffusion and accessibility via the Internet: <YES/NO (value of consentForPublishing) >

and has made the following declarations and has accepted the following clauses:

- to be European citizen or resident in EU countries (registration for natural person);
- to have the registered office based in EU countries (registration for subjects other than natural persons);
- to be aware of and to accept that the registration and management of a domain name are subject to the "Rules of assignment and management of domain names in the ccTLD.it" and the "Regulations for the Resolution of disputes in the ccTLD.it and subsequent modifications;
- to have right of use and/or legal availability of the registered domain name requested and not to prejudice, with this registration request, the rights of third parties;
- to be aware that in order to fulfil personal data on the database of assigned domain names, and for their possible diffusion and accessibility on Internet, it is necessary to give express consent checking the relevant boxes on the basis of the information below. On the Registry website (<http://www.nic.it>) the document "The policy of the .it Registry about the Whois database" is available;
- to be aware of and to accept that in case of erroneous or false declaration in the present request, the Registry will proceed to the immediate revocation of the domain name, reserving the right to take out further legal action. In this case the revocation cannot give rise in any way whatsoever to requests for damages to the Registry;
- to release the Registry from any responsibility deriving from assignment or use of the domain name on the part of the requesting natural person;
- to accept Italian jurisdiction and the laws of the Italian State.

We inform you that the Registrar mentioned above is responsible for personal data treatment and that the CNR, through the Institute of Informatics and Telematics, is the holder.

As specified in the registration form, the data will be released to third parties for the activation of opposition and the defense of rights as well as the fulfilment of obligations of law or regulation.

Should you need further information, please contact the Registrar indicated in the registration and whose data are available on the website of the Registry <http://www.nic.it>.

Best regards,

Registro .it
Istituto di Informatica e Telematica
CNR - AREA DELLA RICERCA
Via Giuseppe Moruzzi, 1 - I-56124 PISA
Tel: +39 050 3139811

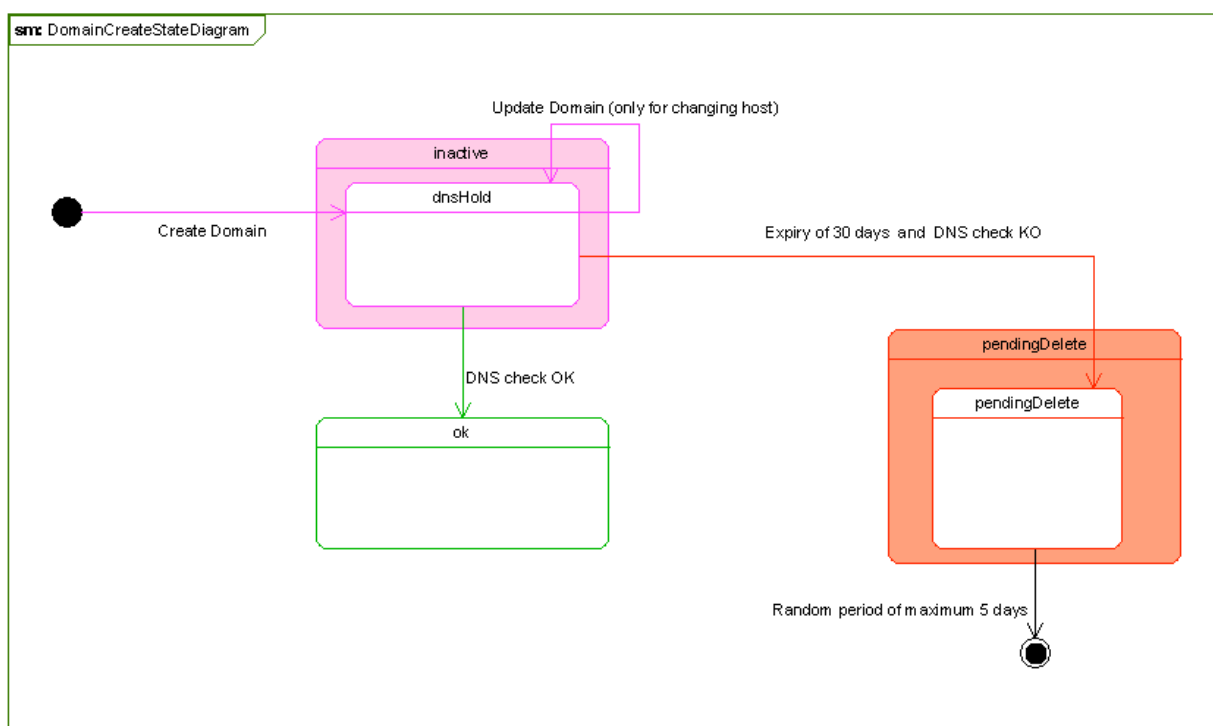
Fax: +39 050 3152713 (External Relations)

Email: hostmaster@nic.it

The DNS configuration for the list of hosts mentioned in Create Domain command is checked in a non-simultaneous transaction. The domain name remains *inactive/dnsHold* for maximum of 30 (thirty) days during which the Registrar must, if necessary, modify its DNS configuration. The server will periodically check whether the DNS configuration for the domain name in *inactive/dnsHold* is positive. When this occurs, the server will put in the Registrar polling queue a message that DNS has been successful and the domain name itself will go into **ok**. At the same time, the Registry emails the Registrant the same communication above mentioned.

If the configuration is always negative, on the expiry of the 30 (thirty) days, the domain name will be placed in **pendingDelete/pendingDelete** and, after a random period of maximum 5 (five) days, it will be removed from the list of active domain names and made available online for new registration. During the period of *inactive/dnsHold*, the server will accept Update Domain transactions (see Section 3.2.2) to correct, if necessary, the list of hosts and their IP addresses associated with the domain name. The receipt of such transactions by the server will not change the expiry of the period of *inactive/dnsHold* established initially. In this status, no changes to the Registrant are allowed.

The following diagram shows the various steps leading to the registration of a new domain name:



3.1.2.6 Checking the functionality of the nameserver

The verification phase of the configuration of the nameservers associated with the domain name takes place after the registration of the domain name itself in the Registry Database. The procedure for the control of nameservers analyzes the hosts associated with domain names registered in the Registry Database that are in *inactive/dnsHold* and executes the

appropriate query (i.e. queries to the nameserver) to verify that it is actually operative. In particular:

- there must be at least 2 (two) authoritative nameservers for the domain name, and they must correspond exactly to those found in the registration of the domain name;
 - the IP addresses of hosts in the registration of the domain name must correspond to those actually associated with them in the DNS;
 - the domain name cannot be associated with a CNAME record;
 - the name of the nameserver specified in the SOA record for the domain name cannot be a CNAME;
 - the names of the authoritative nameservers for the domain name cannot be CNAMEs;
 - if there is an MX registration it cannot be associated with a CNAME;
 - if, during the checking procedure, at least one nameserver returns the following responses:
 - Not responding
 - Not reachable
 - Not running
 - Non-existent domain
 - Host not found
 - Server failure
 - Query failed
- the procedure returns an error;
- all hosts in the registration must be authoritative for the domain name registered.

3.1.3 Request for a domain name subject to a cancellation in the previous 7 (seven) days

To register a domain name that is subject to a cancellation in the previous 7 (seven) days, the Registrar must submit the Create Domain command (see Section 3.1.2) to the "epp-deleted.nic.it" server.

Requests sent to the "epp.nic.it" server will therefore be rejected.

3.1.4 Request to register a reserved domain name

A request to register a reserved domain name (in accordance with what set forth in 3.5 of the Rules) takes place asynchronously.

The Registrant must send a paper request to the Registry in accordance with the forms referred to in Section 3.1.4.1, containing their data, the chosen Registrar and their contactID (which the Registrar must have already registered).

Each form is divided into four parts:

- the first part contains the following information:
 - the domain name of the request;
 - the personal and tax details of the natural person, who as representative of the Registrant endorses the request, as well as the registered office and tax data;
 - the new identifier of the Registrant (contactID);
 - name and possible IPv4 address of two authoritative nameservers for the domain name;
 - the tag of the Registrar (REG tag);
- the second part is related to indemnity in case of a false statement;
- the third part contains:
 - the place and date in which the document is produced;
 - the signature of the natural person or the legal representative of the Registrant;
- the fourth part is related to a disclosure on the protection and processing of personal

data.

No variations to the forms mentioned above can be made. The Registrant must complete all the required fields for their particular "category", which are summarized in the table below.

Compilation of the request to register a reserved domain name

Requested data	Reserved domain names to assign to the requester by geographical area (e.g. region, province, municipality)	Notes
Requester name and surname and request subscriber	<i>Mandatory</i>	(1)
Place of birth	<i>Mandatory</i>	(2)
Date of birth	<i>Mandatory</i>	(3)
Tax code/ identity card	<i>Mandatory</i>	(4)
Business name	<i>Mandatory</i>	(5)
Name and surname of legal representative	<i>Mandatory</i>	
Registered office	<i>Mandatory</i>	(6)
VAT number	<i>Mandatory</i>	(7)
Identifier of the Registrant (contactID)	<i>Mandatory</i>	(8)
Name and IPv4 address of two authoritative nameservers for the domain name	<i>Mandatory</i>	(9)
Registrar tag	<i>Mandatory</i>	(10)
Requester signature	<i>Mandatory</i>	(11)

Notes

- (1) Natural persons who have more than one first name and surname must give them all in full. No tags of first names or surnames are allowed.
- (2) The place of birth must also be given in full, including the province and/or foreign state.
- (3) The date of birth of the person (1) must be given in the format "dd-mm-yyyy."
- (4) Italian citizens must give their tax code. People in other EU statuses where there is not an equivalent of the tax code, must give the number of their identity document.
- (5) The complete company name of the Registrant of the domain name must be given
- (6) The address of the registered office must be given (street, city, province, post code, foreign state, if any) of the Registrant of the domain name listed in (5).
- (7) The VAT number or tax identification number of the Registrant of the domain name must be given.
- (8) The identifier of the Registrant (contactID) previously registered by the Registrar of the domain name must be given.
- (9) The possible IPv4 must be indicated only in case of nameservers subordinated to the domain name
- (10) The tag of the Registrar must be given.
- (11) The request must be signed by the person listed in (1).

3.1.4.1 Form for registering a reserved domain name

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Request to register a reserved domain name _____ .IT

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), delegated to represent in the present agreement the organization named (**corporate name**) with legal

representative (**first name, surname**) with VAT number (**VAT number or tax code**) with registered office in (**address [street/square, locality, postal code, province or foreign state]**), contact code (**contactID**), nameserver (**indicate name and possible IPv4 address of two authoritative nameservers for the domain name**), requests the Registry of the ccTLD.it that the domain name in question is assigned to the above-mentioned organization through the Registrar _____ -REG (**tag of the Registrar**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Request to register a reserved domain name - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the registration of the reserved domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to register a reserved domain name.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.1.4.2 Sending the registration request to the Registry

The request for registration can be sent to the Registry, by the Registrant or by the Registrar, by post, courier or fax. We recommend sending it through the Registrar as this is the most efficient way in terms of management. Requests for registration sent by fax must only be sent to +39 050 542420. The requests for registration can be on several pages (A4) and of a size and format different from that given in the forms on the Registry website - but no changes must be made to the wording and contents.

All requests for registration must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

3.1.4.3 Tests for congruence of the data in the Registry Database

The Registry, upon a legible paper request for registration checks that:

- the domain name given in the request is not registered and is a reserved domain name;

- the Registrant has the right to register the requested domain name;
- the identifier of the Registrant (contactID) given in the request:
 - is registered in the Database;
 - is registered as a Registrant contact;
 - has been registered by the Registrar set out in the request;
 - is a new contactID;
 - is not referenced as a Registrant of any domain name;
- there is a correspondence between the name of the Registrant listed in the request and that present in the registration of the Registrant in the Database, identified by the contactID also reported in the paper request;
- there is a correspondence between the VAT number or tax identification number of the Registrant listed in the request and the VAT number or tax code in the registration of the Registrant in the Database, identified by the contactID that is also reported in the paper request;
- the Registrar reported in the request has an active contract with the Registry and transactions have not been suspended;
- that all the mandatory fields have been filled in.

If the checks are not successful, the Registry sends the new Registrar an email containing:

- the domain name;
- the inconsistencies;
- the date and time of receipt by the Registry of the request for change.

3.1.4.4 Conclusion of the operation

If the checks are successful, the Registry will email the Registrar the outcome of the operation and the following data:

- the name of the domain registered;
- the date and time of the receipt of the request;
- the number of pages of the document received.

The Registry will thus:

- assign the domain name to the Registrant;
- generate the "AuthInfo" code for the domain name;
- email the AuthInfo to the Registrar who, in turn, must notify the Registrant;
- associate the technical and administrative contacts of the domain name with the contactID of the Registrant;
- associate the domain name with the nameservers indicated in the request;
- put the domain name into **ok**;
- invoice the Registrar for the transaction.

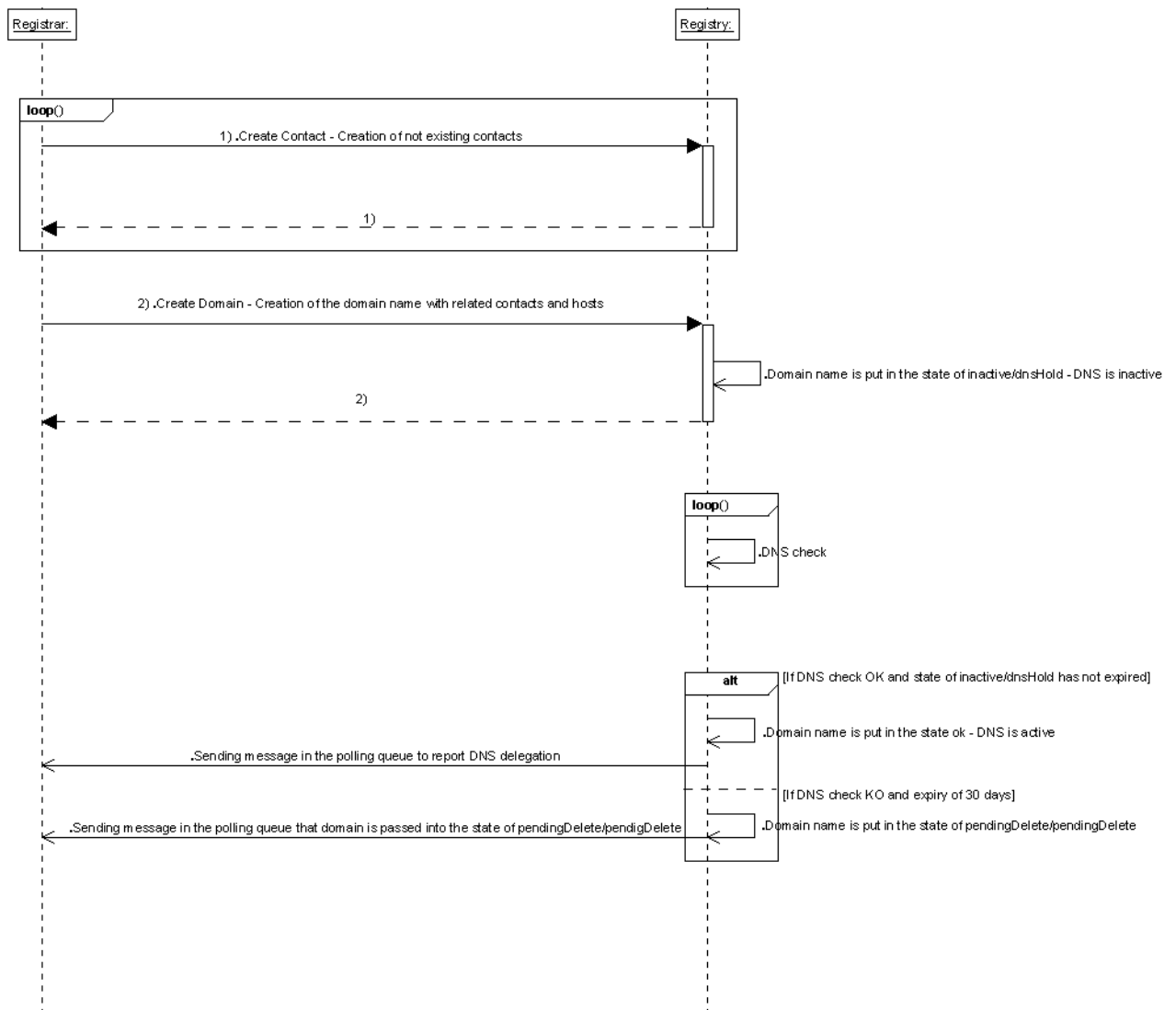
3.1.5 Examples of registering a domain name

Here are two possible scenarios to complete the registration of a domain name:

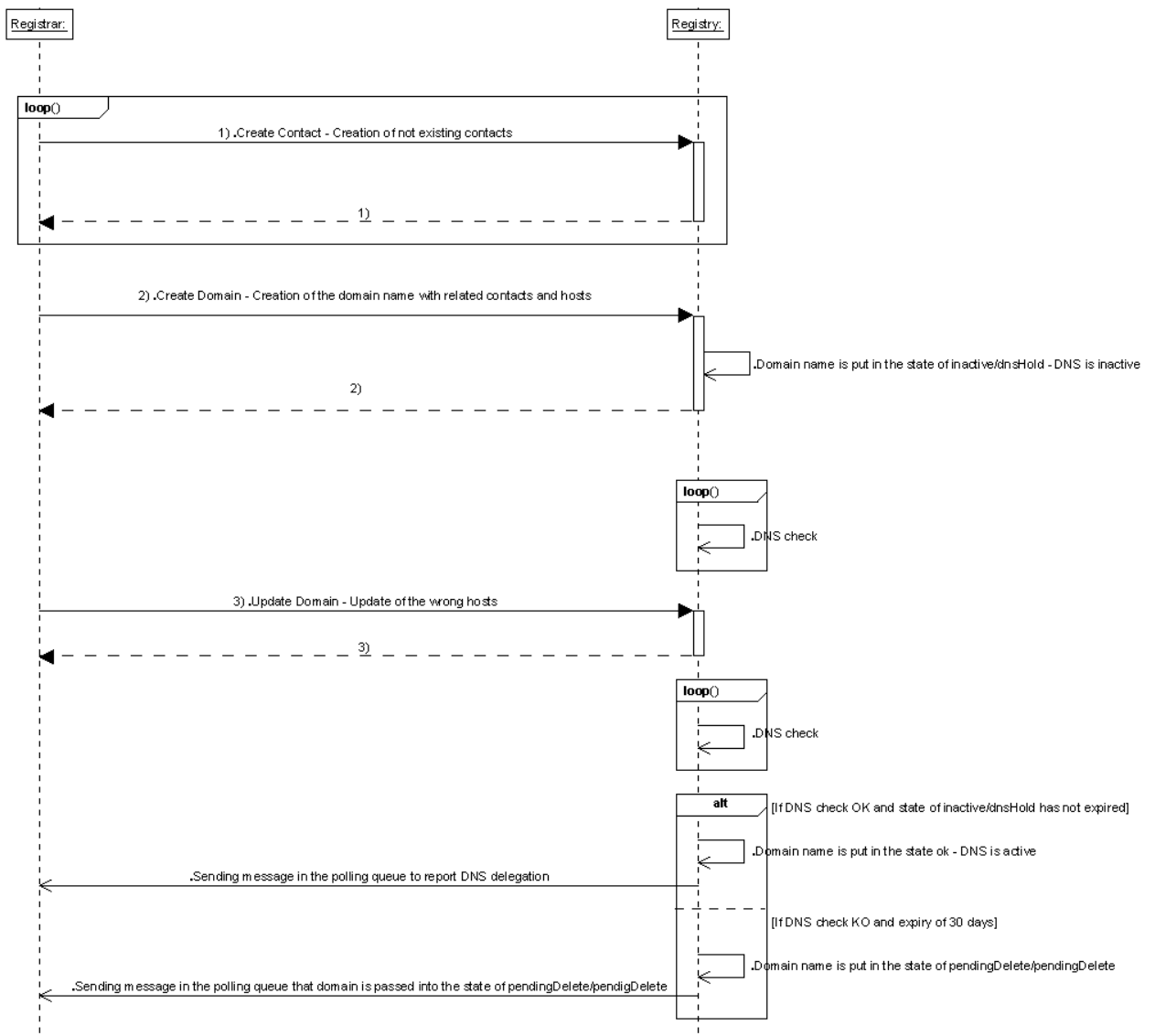
- in scenario 1 a domain name is registered via a sequence of Create Contact and Create Domain commands. The configuration of the nameserver is checked after Create Domain;
- in scenario 2 a domain name is registered with a list of hosts that is wrong, and is

then changed by the Registrar through a Domain Update before the end of the period in which the domain name is inactive/*dnsHold*. The configuration of the nameserver is checked after Update Domain.

sd: EPP Create Domain Scenario 1b



sd: EPP Create Domain Scenario 2b



3.1.6 Procedures for the acquisition of the acceptance of responsibility of the Registrant by the Registrar

The Registrar must obtain the data of the Registrant and the explicit acceptance by the Registrant, of any declaration of the assumption of responsibility for the registration of domain names on the basis of the registration form described in Section 3.1.6.1. The data in this form must be obtained from the Registrar both if this is the first registration and as a result either of a change in the Registrant or following an operation of Registrar transfer (with or without a Trade) for all the hypotheses listed in the "Rules".

3.1.6.1 Registration Form

Below is the form that the Registrar must create:

Registration Form

Sect. 1 - Registrant

Registrant: "Name of Registrant"	(eg XY Srl)
Legal representative: "Name surname of the legal representative for entities other than a natural person"	(eg Mario Bianchi)
Tax code of legal representative: "Tax code of legal representative"	(eg BNCMRA56A01H501A)
Address: "Complete Address"	(eg Via Caspio, 9 00100 Roma - RM)
Country: "ISO3166-1 Code of the Country"	(eg IT)
Nationality: "ISO3166-1 code of the Country - only for natural persons "	(eg IT)
Phone: "phone number in international format"	(eg +39.06776511)
Fax: fax number in international format	(ex. +39.06776512)
Regcode: "VAT/Tax code"	(eg 09558132581)
Email: "Email Address"	(eg xyzo@pippo.it)
EntityType: "Type of Registrant"	(eg 2 - company/firm)

Sect. 2 - Registration form for the domain name pippo.it

XY S.r.l. (name/title)/The applicant (if a natural person), **Registrant** of the domain name pippo.it, hereinafter **Registrant**, with registered office in Via Caspio, 9 00100 Roma (RM) - IT/natural person (street/square, town, post code, province, VAT, if applicable) telephone number (give phone number), fax number (give fax number), e-mail xyzo@pippo.it (**give Registrant e-mail**), legally represented by Mario Bianchi, tax code BNCMRA56A01H501A, requests the registration of the domain name pippo.it - through the Registrar (XY-Registrar) and takes all responsibilities arising from the use and management of the domain name, and undertakes to inform the Registrar or, in subordinate to the Registry, of any changes of in his/her/their data as outlined in the Rules for assignment of the ccTLD.it and in the Guidelines (<http://www.nic.it>)

Sect. 3 - Declarations and assumptions of liability

The Registrant of the domain name in question, declares under their own responsibility that they are:

- in possession of the citizenship or resident in a country belonging to the European Union (in the case of registration for natural persons);*
- established in a country belonging to the European Union (in the case of registration for other organizations);*

- c) aware and accept that the registration and management of a domain name is subject to the "Rules of assignment and management of domain names in ccTLD. it" and "Regulations for the resolution of disputes in the ccTLD.it" and their subsequent amendments;
- d) entitled to the use and/or legal availability of the domain name applied for, and that they do not prejudice, with the request for registration, the rights of others;
- e) aware that for the inclusion of personal data in the Database of assigned domain names, and their possible dissemination and accessibility via the Internet, consent must be given explicitly by ticking the appropriate boxes in the information below. See "The policy of the .it Registry in the Whois Database" on the website of the Registry (<http://www.nic.it>);
- f) aware and agree that in the case of erroneous or false declarations in this request, the Registry shall immediately revoke the domain name, or proceed with other legal actions. In such case the revocation shall not in any way give rise to claims against the Registry;
- g) release the Registry from any liability resulting from the assignment and use of the domain name by the natural person that has made the request;
- h) accept Italian jurisdiction and laws of the Italian State.

☐ YES accept

☐ NO do not accept

Sect. 4 - Information and acquisition of consent for the processing of data for the registration of the domain name and for visibility on the Internet

Disclosure regarding the protection of personal data (D. Lgs. 30 June 2003, No. 196, Art. 13)

To carry out activities to which the present disclosure relates:

- a) the holder of the treatment of data is the Italian National Research Council, through the Institute of Informatics and Telematics of the CNR, .it Registry (<http://www.nic.it>);
- b) the Registrar is responsible for processing the data and manages contractual relations with the Registrant, the identification data are contained in the contract between the said Registrar and the Registrant, and therefore known by the party concerned. A list of those responsible for processing data is available on the website of the Registry (<http://www.nic.it>). The Registrar is the holder of the treatment of data with regard to contractual relations directly with the Registrant, not included in this disclosure;
- c) the mandatory information is that information that is essential in order for the service requested to be provided.

The Registrant's personal data are collected by the Registrar who manages contractual relations with the Registrant using this form, in order to register and manage the domain name in the Data Base of Assigned Names at the Institute of Information and Telematics of the CNR, .it Registry.

In addition to the personal data collected by filling in the form, where the transaction is done electronically, the IP address from which the connection originates on the Internet relating to filling in the online form by the Registrant will also be detected and stored along with the log of the relative transaction. This is done in order to identify the Registrant in connection with the personal information and statements given by the Registrant. Personal data, the above-mentioned IP address and the log of the transaction are mandatory information.

The mandatory information collected will be treated for purposes of administrative and

accounting management, protection of rights and other objectives and activities related to registration, management, dispute, transfer and cancellation of the domain name, and for compliance with requirements of the law, regulations or EU legislation and disclosed to third parties for ancillary or necessary activities to ensure the accomplishment of those objectives. The data will not be used nor disclosed to third parties for any marketing purposes. With the exception of the IP address, the data will also be communicated to third parties who purport to want to act to protect individual rights in relation to the Registrant in connection with the registration or use of the domain name. In accordance with the standards of the Internet Engineering Task Force - IETF (<http://www.ietf.org>) to ensure the accessibility of the domain name on the Internet, in order to maintain the balance for the system, and in consideration of the policy of the Registry of the ccTLD .it in order to avoid situations of anonymity and to allow the tracing of assignees, in the case of registration the following information will in any case will be visible on the Internet, through a Whois query: domain name, name and surname of the Registrant or the corporate name, status of the domain, Registrar and technical data (contactID, date of registration, expiry date, date of last update and nameservers).

For the purposes of this disclosure, the consent to treatment for the purposes of registration refers to all these activities taken as a whole.

Giving consent for the purposes of registration is optional, but if no consent is given, it will not be possible to finalize the registration, assignment and management of the domain name.

Upon a separate agreement, via a Whois query the following will also be visible via the Internet: domain name, address of residence or head office of the Registrant along with their telephone number, fax number and e-mail address.

For the purposes of this disclosure, the consent for access and dissemination via the Internet is only for the latter activities and types of data.

Giving consent for accessibility and dissemination via the Internet is optional. Not giving consent does not preclude the registration but only public visibility via Whois queries of these data, within the limits defined above.

More information on how to query the Registry Database is available on the website of the Registry: www.nic.it.

The interested party can exercise their rights under Art. 7 of the Code for the protection of personal data which include the right of access, rectification and deletion of data.

These rights may be exercised by request to the Registrar who manages the contractual relationship with the Registrant and subordinate to the Institute of Informatics and Telematics of CNR, Via Giuseppe Moruzzi, 1, I-56124 Pisa, Italy.

Sec. 5 - Consent to the processing of personal data for registration

The interested party, after reading the above disclosure, gives consent to the processing of information required for registration, as defined in the above disclosure.

Giving consent is optional, but if no consent is given, it will not be possible to finalize the registration, assignment and management of the domain name.

☐ YES accept

☐ NO do not accept

Sec. 6 - Consent to the processing of personal data for diffusion and accessibility via the Internet

The interested party, after reading the above disclosure, gives consent to the dissemination and accessibility via the Internet, as defined in the disclosure above.

Giving consent is optional, but absence of consent does not allow the dissemination and accessibility of Internet data.

☐ YES accept

☐ NO do not accept

Sec. 7 - Explicit Acceptance of the following points

For explicit acceptance, the interested party declares that they:

c) are aware and agree that the registration and management of a domain name is subject to the "Rules of assignment and management of domain names in ccTLD.it" and "Regulations for the resolution of disputes in the ccTLD.it" and their subsequent amendments;

f) are aware and agree that in the case of erroneous or false declarations in this request, the Registry shall immediately revoke the domain name, or proceed with other legal actions. In such case the revocation shall not in any way give rise to claims against the Registry;

g) release the Registry from any liability resulting from the assignment and use of the domain name by the natural person that has made the request;

h) accept the Italian jurisdiction and laws of the Italian State.

☐ YES accept

☐ NO do not accept

3.2 Simple change

Simple changes are carried out using the EPP Update command, the Registrar submits a request to Update Contact or Update Domain, depending on the object to update.

With a simple change, the Registrar can only update certain fields of a contact or domain in the Registry Database. The Registrar may change the authoritative nameservers and the AuthInfo (i.e. the password for the authorization of the request for specific transactions) of a domain name, its administrative and technical contacts, and information associated with them.

Transactions classified as "simple change" are not charged to the Registrar.

3.2.1 Simple change to registered contact

Simple changes regarding a registered contact in the Registry Database are done by using Update Contact. This command allows the Registrar to perform the following steps:

- Addition or removal of a status
- Addition or change of the following fields:
 - PostalInfo organized as follows:
 - Name
 - Organization
 - Address structure:
 - Street/Square 1
 - Street/Square 2

- Street/Square 3
- City
- Province
- ZIP code (postcode)
- Country
- Phone
- Fax
- Email
- ConsentForPublishing
- Registrant data (if the contact is not already a Registrant)
 - Nationality (nationalityCode)
 - EntityType
 - RegCode

To identify the contact on which to perform the requested transaction, the Registrar uses the ID of the contact, which is mandatory.

The policies adopted by the Registry do not allow data regarding the Registrant extension to be changed (either individually or all together) once they have been set. The Registrar has two ways to set the information of its Registrant:

- when registering the contact with a Create Contact. In this way the contact is registered as a potential Registrant of one or more domain names;
- with a change after the registration, via an Update Contact. In this way the contact, who was initially registered as a technical contact (tech) and/or administrative (admin), can then be associated as a Registrant of one or more domain names.

3.2.1.1 Validation steps for the simple change of a registered contact

The system verifies that the request to Update Contact is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *contact-1.0.xsd*, *extcon-1.0.xsd* (see Appendix A - EPP Protocol);
- the following additional restrictions:
 - the contact with the ID specified must be present in the Registry Database;
 - restrictions must apply on the values and the minimum and maximum cardinality of the fields given for Create Contact;
 - the current status of the contact must not be serverUpdateProhibited or clientUpdateProhibited;
 - statuses that can be added must only be those that begin with the prefix "client";
 - the list of statuses by adding or removing statuses must not contain duplicates;
 - a status already associated with the contact cannot be added;
 - a status not associated with the contact cannot be removed;
 - if the contact is a Registrant (fields of Registrant data section filled):
 - the Name field is changeable only if the Registrant is other than a natural person (i.e., EntityType $\neq 1$);
 - the Country field is changeable only if the Registrant is a natural person (i.e., EntityType = 1);
 - the Organization field, if initially empty, must be completed if the Registrant is a natural person (i.e., EntityType = 1) the value of the field organization must be the same as the field Name;
 - the Organization field, once set, is no longer changeable;
 - the Nation, Nationality, EntityType and RegCode fields, if empty, must be filled in;
 - the Nationality, EntityType and RegCode fields, once set, are no longer

changeable (individually or all together).

3.2.1.2 Examples of an Update Contact request

Example 1

Update Contact for changing phone number and email address, and for the addition of the clientDeleteProhibited to prevent the cancellation of the contact:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <command>
      <update>
        <contact:update
          xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
          xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
          <contact:id>mr0001</contact:id>
          <contact:add>
            <contact:status s="clientDeleteProhibited"/>
          </contact:add>
          <contact:chg>
            <contact:voice>+39.05863152111</contact:voice>
            <contact:email>info@example.it</contact:email>
          </contact:chg>
        </contact:update>
      </update>
      <clTRID>ABC-12345</clTRID>
    </command>
  </epp>
```

Example 2

Update Contact to change the data relating to consent for publication of personal data:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <update>
      <contact:update
        xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
        <contact:id>mm001</contact:id>
        <contact:chg>
          </contact:chg>
        </contact:chg>
      </contact:update>
    </update>
    <extension>
      <extcon:update
        xmlns:extcon="http://www.nic.it/ITNIC-EPP/extcon-1.0"
        xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extcon-1.0
extcon-1.0.xsd">
        <extcon:consentForPublishing>false</extcon:consentForPublishing>
      </extcon:update>
    </extension>
```

```
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

3.2.1.3 Examples of a response to an Update Contact request

Example 1

Response to a successful Update Contact:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE5642766541</svTRID>
  </trID>
</response>
</epp>
```

Example 2

Response to a failed Update Contact. The error is due to the fact that the contact cannot be changed because it is in clientUpdateProhibited. The only change permitted is the removal of the said constraint.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="2304">
    <msg lang="en">Object status prohibits operation</msg>
    <extValue>
      <value>
        <reasonCode xmlns="">8008</reasonCode>
      </value>
      <reason lang="en">Contact has status
clientUpdateProhibited</reason>
    </extValue>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE6373644374</svTRID>
  </trID>
</response>
</epp>
```

3.2.1.4 Effects of Contact Update

If the Update Contact requested by the Registrar is executed successfully and passes the validation steps described in Section 3.2.1.1, the contact in the Registry Database is changed as requested. The following contact fields are also updated:

- the Organization field, if empty, is forced to the value of the Name field when the request was a change to set the fields in the Registrant data section and the Registrant

- is a natural person (i.e., EntityType = 1);
- date of last change;
- the client ID that performed the last change;
- the status of the contact remains unchanged unless the addition or removal of the member of the contact is requested.

3.2.2 Simple change of a registered domain name

The simple change of a domain name registered in the Registry Database is carried out through the use of Update Domain. This command allows the Registrar of the domain name to do the following:

- add and/or remove host (complete IP addresses for subordinate host);
- change of the contact-type admin;
- add and/or remove contact-type tech;
- add and/or remove statuses;
- change of the AuthInfo associated with the domain name.

To identify the domain name on which to perform the requested transaction, the Registrar uses the Name field that is mandatory.

If the transaction is required to change the AuthInfo associated with the domain name, the Registrar must notify the Registrant about the new value.

In compliance with the policies adopted by the Registry, the Registrar cannot send an Update Domain command that contains simultaneously more than one of the following:

- change of the Registrant;
- change of hosts associated with the domain name;
- change of the status;
- restore of a deleted domain name (see Section 3.11.3).

However, it is possible to make a change that affects the tech/admin contacts or the AuthInfo at the same time as one of the changes listed above.

In all the changes of hosts associated with the domain name requiring the removal of a host, it is enough to simply return the name to be removed (in section <rem> of the command) without any IP address associated with it.

In all the changes of hosts associated with the domain name requiring the addition of a host, it is enough to simply return the name to be added (in section <add> of the command), together with its IP address for a subordinate host.

The change of an IP address of a subordinate host, however, always takes place as the addition of the host with its new IP address and the simultaneous removal of the host for which the change in IP address has been requested without reporting the IP address currently associated with it and currently in the Registry Database (see example 3 in Section 3.2.2.2).

If the Registrant contact (registrant) of the domain name for which an Update Domain has been requested does not contain all the mandatory fields, the change fails, apart from the change of status. This situation may occur, for example, for registrant contacts created in the asynchronous registration system and migrated to the synchronous registration system.

There is only one possible scenario for an Update Domain, which is shown below.

In the event that the Update Domain does not require changes to hosts or requires changes to other fields as well as the host, validation steps are executed on these fields. If the validation steps are unsuccessful, the Registrar receives a negative response and the change is rejected (see examples 5 and 6 in Section 3.2.2.3), so the domain name does not change its status.

If the validation steps have been successful and the changes do not affect the host, the Registrar gets a response that the transaction has been completed successfully, and the changes are reflected immediately in the Registry Database (see examples 1, 2 and 3 in Section 3.2.2.3). The domain name only changes its status if a request has been made to change the status of the domain name itself.

If the validation steps have been successful but the changes affect the host as well, the Registrar gets a response that the transaction was successful but not completely finished (see example 4 in Section 3.2.2.3). The domain name then goes into **pendingUpdate** for a maximum of 5 (five) days. In this period, the server performs the validation of the DNS (see Section 3.1.2.6).

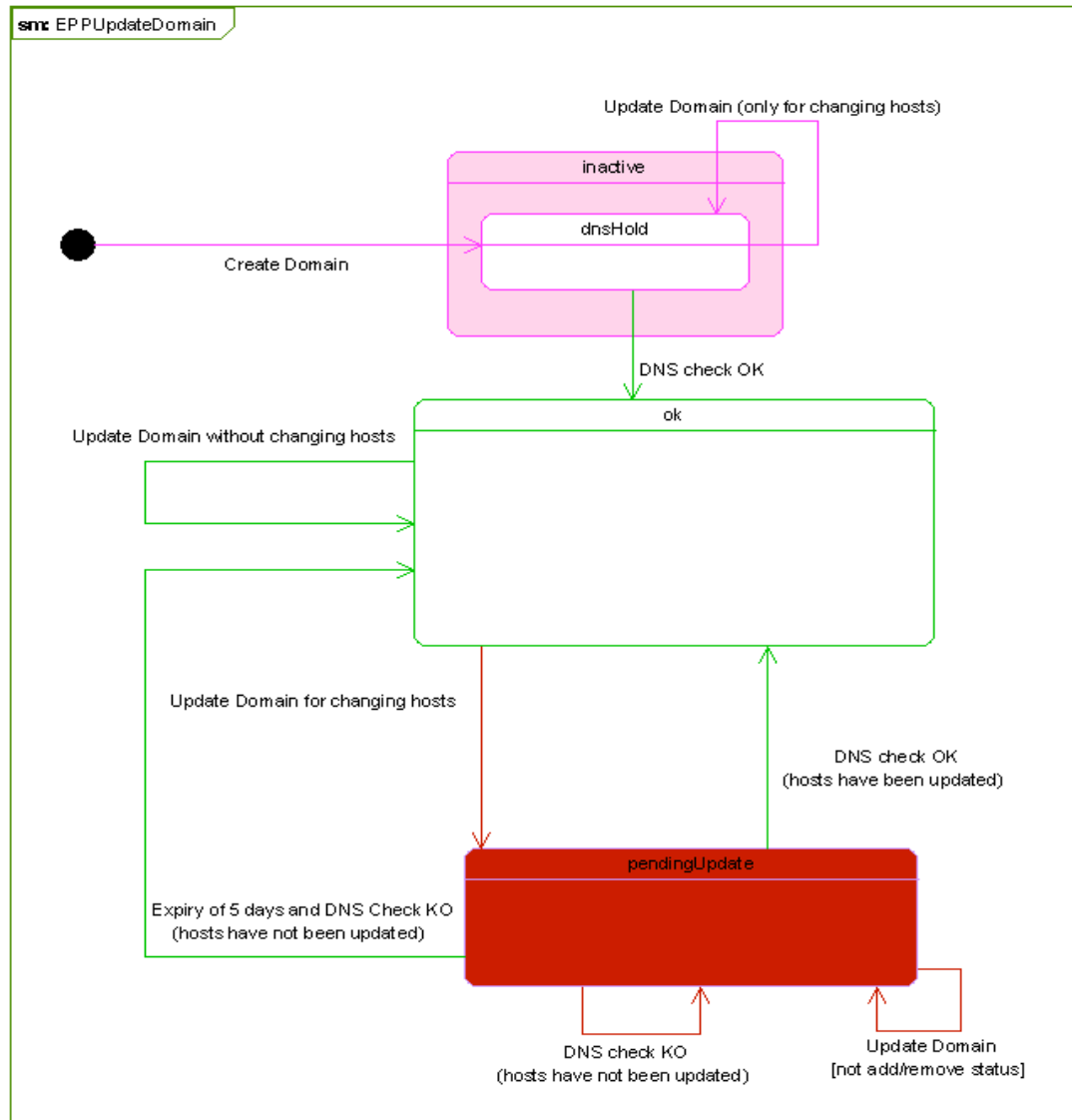
If the DNS check is positive, the changes to the host associated with the domain name appear in the Database and the server will insert into the polling queue a message indicating the successful completion of the change request.

If the DNS check is negative, the server will insert into the polling queue a message that notifies the Registrar of the error found in the new DNS configuration proposal, and the changes to the host associated with the domain name requests are not reported in the Database.

On expiry of the 5 (five) days, the server will insert into the polling queue a message that notifies the Registrar of the complete failure of the request to change hosts. Thus this change is not made to the Database and the domain name is put back into its previous status with the old configuration.

During pendingUpdate, the Registrar may change hosts, Registrant and the contacts associated with the domain name and this will mean that the information regarding the old amendment will be replaced with new information but the period of 5 (five) days pendingUpdate status will not begin again.

The following diagram shows the various stages that make up the procedure to change the registration of a domain name:



3.2.2.1 Validation steps for the simple change of a registered domain name

The system verifies that the request for Domain Update is compatible with:

- the constraints present in the XML Schemaepp-1.0.xsd, eppcom-1.0.xsd, domain-1.0.xsd, host-1.0.xsd (see Appendix A - Protocol EPP);
- the following additional restrictions:
 - the domain name for which the transaction is requested must be present in the Registry Database;
 - restrictions must apply on the values and the minimum and maximum cardinality of the fields given controlling Create Domain;
 - the domain name for which the transaction was requested must not be in one of the following statuses: pendingTransfer, pendingTransfer/bulk, pendingDelete/pendingDelete, serverUpdateProhibited, inactive/serverHold, inactive/revoked, inactive/toBeReassigned, ok/noRegistrar, inactive/noRegistrar;
 - if the domain name for which the transaction was requested is in clientUpdateProhibited or inactive/clientHold, the Registrar can only remove that status;

- if the domain name for which the transaction was requested is in *inactive/dnsHold*, the Registrar may only submit a new DNS configuration inserting (in section <add> of the command) the whole host list to be validated;
- if the domain name for which the transaction was requested is in *pendingUpdate*, the Registrar cannot add or remove any constraint;
- if the domain name for which the transaction was requested is in *pendingDelete/redemptionPeriod*, the Registrar may only send either a Domain Update with ext = restore request (see Section 3.11.3) or a Domain Update request for the addition or the removal of *clientTransferProhibited* and/or *clientUpdatedProhibited* constraints;
- the list of statuses by adding or removing statuses cannot contain duplicates;
- a status already associated with the domain name cannot be added;
- a status not associated with the domain name cannot be removed;
- contacts to add or remove with the IDs specified must be in the Registry Database;
- contacts to add or remove the domain name must have been registered by the same Registrar that submits the request for the change of the domain name;
- the contact list to add or remove must not contain the same two contacts with the same role;
- a contact already associated with the domain name cannot be added with the same role;
- the number of admin and technical contacts must comply with the table in Section 5.11;
- a contact that is not associated with the domain name cannot be removed;
- the host list must not contain two hosts with the same IP address or with the same name;
- the number of hosts to associate with the domain name must comply with the table in Section 5.11;
- a host already associated with the domain name cannot be added;
- a host that is not associated with the domain name cannot be removed;
- if the Registrant is a natural person (EntityType = 1), the administrative contact cannot be changed;
- the new AuthInfo, if specified in the request, must differ from that stored for the domain name for which the transaction was requested;
- the new AuthInfo, if specified in the request, must have a minimum length of 8 characters and maximum of 32 characters;
- more than one of the following cannot be carried out at the same time:
 - change of hosts associated with the domain name
 - change of the Registrant
 - change of the status
 - restore of a domain name (see Section 3.11.3)

3.2.2.2 Examples of Update Domain requests

Example 1

Domain Update command for the change of hosts associated with the domain name, the addition of a technical contact and the *clientDeleteProhibited* status to prevent the cancellation of the domain name itself:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
    epp-1.0.xsd">
    <command>
```

```

<update>
  <domain:update
    xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
    xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
    <domain:name>example.it</domain:name>
    <domain:add>
      <domain:ns>
        <domain:hostAttr>
          <domain:hostName>ns3.example.it</domain:hostName>
          <domain:hostAddr
ip="v4">193.205.245.73</domain:hostAddr>
        <domain:hostAttr>
      </domain:ns>
      <domain:contact type="tech">mak21</domain:contact>
      <domain:status s="clientDeleteProhibited">
    </domain:status>
    </domain:add>
    <domain:rem>
      <domain:ns>
        <domain:hostAttr>
          <domain:hostName>ns1.example.it</domain:hostName>
          <domain:hostAttr>
        </domain:ns>
      </domain:rem>
    </domain:update>
  </update>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

Example 2

Update Domain to replace one of the nameservers associated with the domain name (ns1.example.it) with a new one (ns3.example.it):

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <update>
      <domain:update
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
      <domain:add>
        <domain:ns>
          <domain:hostAttr>
            <domain:hostName>ns3.example.it</domain:hostName>
            <domain:hostAddr
ip="v4">193.205.245.7</domain:hostAddr>
          </domain:ns>
        </domain:add>
        <domain:rem>
          <domain:ns>
            <domain:hostAttr>
              <domain:hostName>ns1.example.it</domain:hostName>

```

```

        </domain:hostAttr>
    </domain:ns>
</domain:rem>
</domain:update>
</update>
<clTRID>ABC-12345</clTRID>
</command>
</epp>

```

Example 3

Update Domain for the change of the IP address of one of the authoritative nameservers (ns3.example.it) associated with the domain name. This type of transaction is implemented by adding the nameserver for which the IP address change has been requested (ns3.example.it) by inserting also its new IP address as well as the name of the nameserver (see Section 3.2.2) and the removal of the same nameserver (ns3.example.it) whose IP address must be changed:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <command>
        <update>
            <domain:update>
                xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
                xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
                    <domain:name>example.it</domain:name>
                <domain:add>
                    <domain:ns>
                        <domain:hostAttr>
                            <domain:hostName>ns3.example.it</domain:hostName>
                            <domain:hostAddr
ip="v4">193.205.245.8</domain:hostAddr>
                        </domain:hostAttr>
                    </domain:ns>
                </domain:add>
                <domain:rem>
                    <domain:ns>
                        <domain:hostAttr>
                            <domain:hostName>ns3.example.it</domain:hostName>
                        </domain:hostAttr>
                    </domain:ns>
                </domain:rem>
            </domain:update>
        </update>
        <clTRID>ABC-12345</clTRID>
    </command>
</epp>

```

3.2.2.3 Examples of responses to Update Domain request

Example 1

Response to successful Update Domain:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
        <response>
            <result code="1000">
                <msg lang="en">Command completed successfully</msg>
            </result>
            <trID>
                <clTRID>ABC-12345</clTRID>
                <svTRID>DE5642766541</svTRID>
            </trID>
        </response>
    </epp>

```

Example 2

Response to successful Update Domain for the addition of the clientUpdateProhibited status:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <response>
        <result code="1000">
            <msg lang="en">Command completed successfully</msg>
        </result>
        <extension>
            <extdom:chgStatusMsgData
                xmlns:extdom="http://www.nic.it/ITNIC-
EPP/extdom-1.0"
                xsi:schemaLocation="http://www.nic.it/ITNIC-
EPP/extdom-1.0 extdom-1.0.xsd">
                <extdom:name>example.it</extdom:name>
                <extdom:targetStatus>
                    <domain:status
                        xmlns:domain="urn:ietf:params:xml:ns:do
main-1.0" s="clientUpdateProhibited"
                        lang="en" />
                </extdom:targetStatus>
            </extdom:chgStatusMsgData>
        </extension>
        <trID>
            <clTRID>ABC-12345</clTRID>
            <svTRID>DE2653076473</svTRID>
        </trID>
    </response>
</epp>

```

Example 3

Response to a successful Update Domain for the addition of the inactive/clientHold status:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <response>
        <result code="1000">

```



```

    <msg lang="en">Command completed successfully</msg>
  </result>
  <extension>
    <extdom:chgStatusMsgData
      xmlns:extdom="http://www.nic.it/ITNIC-
        EPP/extdom-1.0"
      xsi:schemaLocation="http://www.nic.it/ITNIC-
        EPP/extdom-1.0 extdom-1.0.xsd">
      <extdom:name>example.it</extdom:name>
      <extdom:targetStatus>
        <domain:status
          xmlns:domain="urn:ietf:params:xml:ns:do
            main-1.0" s="inactive" lang="en" />
        <domain:status
          xmlns:domain="urn:ietf:params:xml:ns:do
            main-1.0" s="clientHold" lang="en" />
      </extdom:targetStatus>
    </extdom:chgStatusMsgData>
  </extension>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE7101000427</svTRID>
  </trID>
</response>
</epp>

```

Example 4

Response to a successful Update Domain for the change of the hosts associated with the domain “example.it”. The domain name goes into pendingUpdate while waiting for DNS validation.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
    1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed
        successfully</msg>
    </result>
    <extension>
      <extdom:chgStatusMsgData
        xmlns:extdom="http://www.nic.it/ITNIC-
          EPP/extdom-1.0"
        xsi:schemaLocation="http://www.nic.it/ITNIC-
          EPP/extdom-1.0 extdom-1.0.xsd">
        <extdom:name>example.it</extdom:name>
        <extdom:targetStatus>
          <domain:status
            xmlns:domain="urn:ietf:params:xml:ns:do
              main-1.0" s="pendingUpdate" lang="en"
            />
          </extdom:targetStatus>
        </extdom:chgStatusMsgData>
      </extension>
    <trID>

```

```

        <clTRID>ABC-12345</clTRID>
        <svTRID>DE0120177565</svTRID>
    </trID>
</response>
</epp>

```

Example 5

Response to a failed Update Domain. The error is due to the fact that the domain name cannot be changed because it is in `clientUpdateProhibited` status. The only permitted change is the removal of the said constraint.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <response>
        <result code="2304">
            <msg lang="en">Object status prohibits operation</msg>
            <extValue>
                <value>
                    <reasonCode xmlns="">9026</reasonCode>
                </value>
                <reason lang="en">Domain has status
clientUpdateProhibited</reason>
            </extValue>
        </result>
        <trID>
            <clTRID>ABC-12345</clTRID>
            <svTRID>DE2464420400</svTRID>
        </trID>
    </response>
</epp>

```

Example 6

Response to a failed Update Domain. The error is due to the fact that the tech contact indicated in the request is not in the Registry Database.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
    <response>
        <result code="2004">
            <msg lang="en">Parameter value range error</msg>
            <value>
                <contact xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">TECH25</contact>
            </value>
            <extValue>
                <value>
                    <reasonCode xmlns="">9003</reasonCode>
                </value>
                <reason lang="en">Contact does not exist</reason>
            </extValue>
        </result>
        <trID>
            <clTRID>ABC-12345</clTRID>

```

```
<svTRID>DE2134514246</svTRID>
</trID>
</response>
</epp>
```

3.2.2.4 Effects of Domain Update for simple change

If the Update Domain command submitted by the Registrar is executed successfully and passes the validation steps described in Section 3.2.2.1, the registration of the domain name in the Registry Database is changed in accordance with the changes requested. The following fields of the domain are also updated:

- date of last change;
- the client ID that performed the last change;
- the status of the domain name remains unchanged unless the addition or removal of the statuses of the domain name is requested;
- if the IP address of a host already associated with the domain name change, the new configuration stated in the <add> section of the Update Domain command will replace the previous one that is the one present in the <rem> section of the command.

3.3 Change of Registrant

The change of Registrant allows the Registrar to change the assignee of the domain name at the request of the new Registrant. To achieve this type of transaction, the old Registrant has to inform the new Registrant regarding the value of the AuthInfo associated with the domain name. At the same time as the change of the Registrant, the Registrar will provide new AuthInfo which is different from that currently associated with the domain name. The change in the Registrant is made by using EPP Update Domain.

3.3.1 Steps of validation for the change of Registrant

The system verifies that the request for Domain Update is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *domain-1.0.xsd* (see Appendix A - Protocol EPP);
- the following additional restrictions:
 - the domain name for which the transaction was requested must be present in the Registry Database;
 - the domain name for which the transaction was requested must not be in the status `pendingTransfer`, `pendingTransfer/bulk`, `inactive/dnsHold`, `pendingDelete/pendingDelete`, `pendingDelete/redemptionPeriod`, `inactive/clientHold`, `inactive/serverHold`, `clientUpdateProhibited`, `serverUpdateProhibited`, `inactive/revoked`, `inactive/toBeReassigned`, `ok/noRegistrar`, `inactive/noRegistrar`;
 - the new Registrant with the specified ID must be a contact in the Registry Database with all the compulsory data and the section related to the Registrant data;
 - the new AuthInfo specified in the request must have a minimum length of 8 characters and maximum of 32 characters.

3.3.2 Example Update Domain request for the change of Registrant

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
```

```

<command>
  <update>
    <domain:update
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
      xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:chg>
        <domain:registrant>mr002</domain:registrant>
        <domain:authInfo>
          <domain:pw>NEW2BARfoo</domain:pw>
        </domain:authInfo>
      </domain:chg>
    </domain:update>
  </update>
  <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

3.3.3 Effects of the Update Domain for the change of Registrant

If the Update Domain command for changing the Registrant requested by the Registrar is executed successfully and passes the validation steps described in Section 3.3.1, the domain object is changed and it is associated with the new Registrant and the new AuthInfo.

If the new Registrant is a natural person (EntityType = 1) and no new administrative contact is specified in the request, the system automatically changes it by entering the ID associated with the new Registrant.

The Registry sends an email to the new and the old Registrant in the following formats:

Mail for the new Registrant:

Subject: 10300 - New registration of the domain name <name of the domain>

We inform you that on <registration date> the domain name <name of the domain> has been registered through the Registrar <Registrar>.

The outcome of the registration is:

Registrant:

Address:

Country:

Nationality (for natural persons only):

Phone:

Fax:

RegCode:

Email:

EntityType:

The domain name <name of the domain> has been put in <status> status.

The Registrant, has made the following choice concerning consent:

- consent for personal data treatment for the registration: YES
- consent for personal data treatment for diffusion and accessibility via the Internet: <YES/NO (value of consentForPublishing)>

and has made the following declarations and has accepted the following clauses:

- to be European citizen or resident in EU countries (registration for natural person);
- to have the registered office based in EU countries (registration for subjects other than natural persons);
- to be aware of and to accept that the registration and management of a domain name are subject to the "Rules of assignment and management of domain names in the ccTLD .it" and the "Regulations for the Resolution of Disputes in the ccTLD .it" and subsequent modifications;
- to have right of use and/or legal availability of the registered domain name requested and not to prejudice, with this registration request, the rights of third parties;
- to be aware that in order to fulfil personal data on the database of assigned names, and for their possible diffusion and accessibility on Internet, it is necessary to give express consent checking the relevant boxes on the basis of the information below. On the Registry website (<http://www.nic.it>) the document "The policy of the .it Registry about the Whois database" is available;
- to be aware of and to accept that in the case of erroneous or false declaration in the present request, the Registry will proceed to the immediate revocation of the domain name, reserving the right to take out further legal action. In this case the revocation cannot give rise in any way whatsoever to requests for damages to the Registry;
- to release the Registry from any responsibility deriving from assignment and use of the domain name on the part of the requesting natural person;
- to accept Italian jurisdiction and the laws of the Italian State.

We inform you that the Registrar mentioned above is responsible for personal data treatment and that the CNR, through the Institute of Informatics and Telematics, is the holder.

As specified in the registration form, the data will be released to third parties for the activation of opposition and for the defence of rights as well as the fulfilment of obligations of law or regulation.

Should you need further information, please contact the Registrar indicated in the registration and whose data are also available on the website of the Registry <http://www.nic.it>.

Best regards,

Registro .it
Istituto di Informatica e Telematica
CNR - AREA DELLA RICERCA
Via Giuseppe Moruzzi, 1 - I-56124 PISA
Tel: +39 050 3139811
Fax: +39 050 3152713 (External Relations)
Email: hostmaster@nic.it

Mail to the former Registrant:

Subject: 10301 - Modification of the Registrant for the domain name <name of the domain>

We inform you that an operation of modification of the Registrant for the domain name <name of the domain> was made on <date of the operation>. Therefore <former Registrant> is no longer the Registrant of the domain name in object.

Best regards,

Registro .it
Istituto di Informatica e Telematica
CNR - AREA DELLA RICERCA
Via Giuseppe Moruzzi, 1 - I-56124 PISA
Tel: +39 050 3139811
Fax: +39 050 3152713 (External Relations)
Email: hostmaster@nic.it

3.4 Change of Registrar

The change of Registrar means that a domain name can be transferred from the current Registrar to another Registrar.

The request to change the Registrar is made by the new Registrar, on behalf of the Registrant, using EPP Transfer Domain with the attribute `op = "request"`.

To achieve this, the Registrant must first notify the new Registrar regarding the AuthInfo currently associated with the domain name, so that the new Registrar can insert it in the request to change the Registrar (see Section 3.4.2).

If Transfer Domain with `op = "request"` is successfully performed by the new Registrar and passes the validation steps described in section 3.4.1, the domain name goes into **pendingTransfer** (or `pendingTransfer/autoRenewPeriod` if the domain was in `ok/autoRenewPeriod`).

The domain name remains in this status up to a maximum of 5 (five) days during which the new Registrar can cancel the transaction by sending a Domain Transfer command with the attribute `op = "cancel"` (see Section 3.4.4).

The old Registrar, however, may take the following actions:

- accept the request to change the Registrar by sending Transfer Domain with the attribute `op = "approve"` (see Section 3.4.6);
- reject the request to change the Registrar by sending Transfer Domain with the attribute `op = "reject"` (see Section 3.4.8).

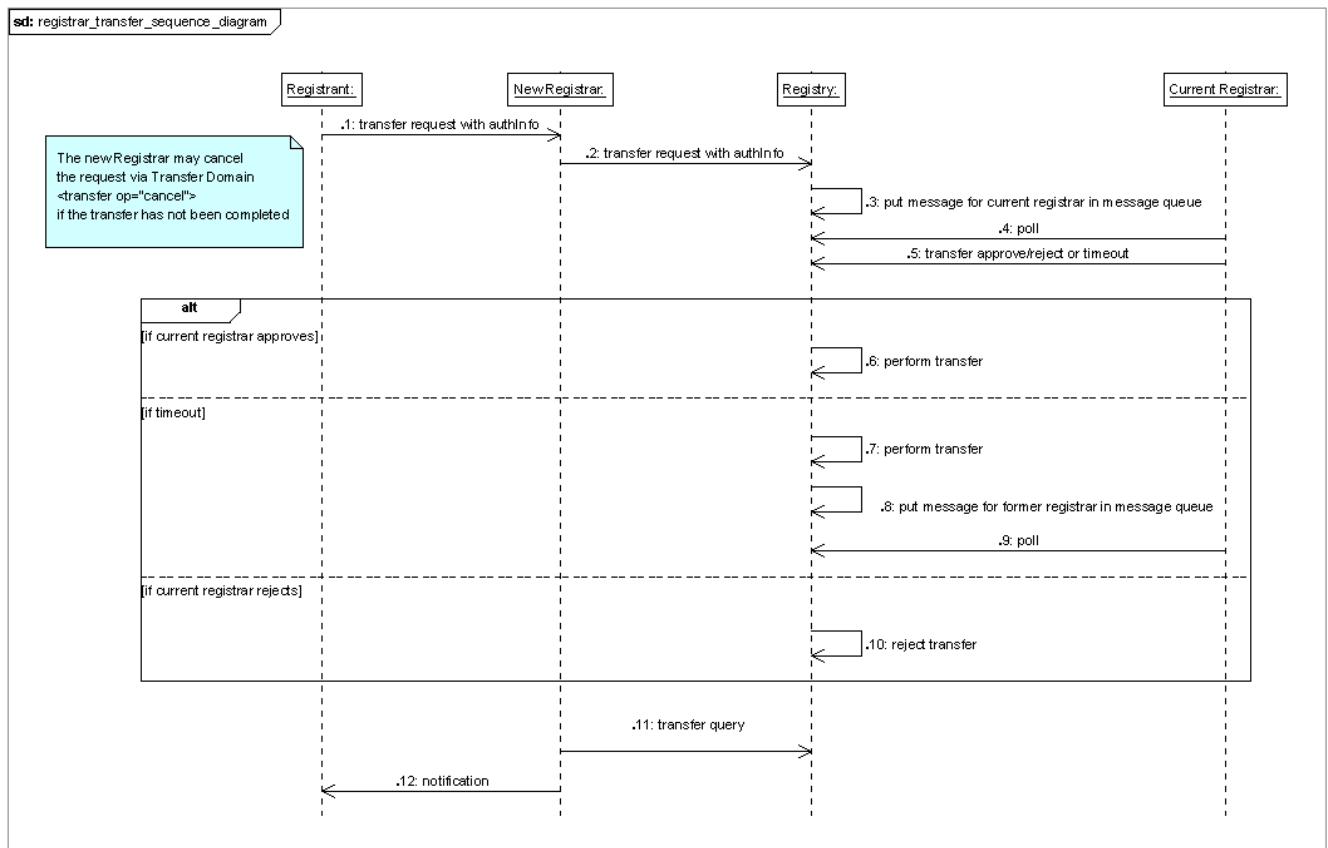
The commands for the deletion, approval and/or non-approval of transfer by the new and the old Registrar may be submitted without the AuthInfo for as long as the domain name is in `pendingTransfer`.

At the end of `pendingTransfer`, requests that have not been explicitly cancelled, rejected or approved are approved automatically by the system.

The server notifies both the old and the new Registrar of each step generated by the change of Registrar via a message in the polling queue.

Any information relating to a transfer in progress or completed may also be viewed by both the Registrars using the command Transfer Domain with the attribute `op = "query"`. This command will be addressed in detail in Section 4.2.3.

Once the domain name is in `pendingTransfer`, the change of the Registrar is charged to the new Registrar, but not immediately included in the transactions to be charged. The transaction will be invoiced at the end of the change of Registrar, once the old Registrar has accepted the transfer. In the other cases, the transaction will be returned to the new Registrar and will thus not be billed.



3.4.1 Validation steps for the modification of the Registrar

The system verifies that the request for Transfer Domain with op = "request" is compatible with:

- the constraints present in the XML Schema epp-1.0.xsd, eppcom-1.0.xsd, domain-1.0.xsd, RGP-1.0.xsd, extdom-1.0.xsd (see Appendix A - Protocol EPP);
- the following additional restrictions:
 - the domain name for which the transaction is requested must be present in the registry Database;
 - the domain name for which the transaction is requested must not be in pendingTransfer, pendingTransfer/bulk, pendingUpdate, inactive/dnsHold, pendingDelete/pendingDelete, inactive/clientHold, inactive/serverHold, pendingDelete/redemptionPeriod, inactive/revoked, clientTransferProhibited, serverTransferProhibited, inactive/toBeReassigned;
 - the AuthInfo specified in the request must match the AuthInfo associated with the domain name in the registry Database.

3.4.2 Example of a Domain Transfer request with op = request

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <transfer op="request">
      <domain:transfer
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"

```



```

        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:authInfo>
            <domain:pw>22fooBAR</domain:pw>
        </domain:authInfo>
        </domain:transfer>
    </transfer>
    <clTRID>ABC-12345</clTRID>
</command>
</epp>

```

3.4.3 Example of a response to a Transfer Domain con op = request

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="1001">
<msg lang="en">Command completed successfully; action pending</msg>
</result>
<resData>
<domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-
1.0.xsd">
    <domain:name>example.it</domain:name>
    <domain:trStatus>pending</domain:trStatus>
    <domain:reID>NEW-REGISTRAR</domain:reID>
    <domain:reDate>2008-02-25T07:40:00+01:00</domain:reDate>
    <domain:acID>DEMO-REGISTRAR</domain:acID>
    <domain:acDate>2008-03-01T23:59:59+01:00</domain:acDate>
    </domain:trnData>
</resData>
<trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>MA3347230155</svTRID>
</trID>
</response>
</epp>

```

3.4.4 Example of a request for Transfer Domain con op = cancel

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
    <command>
        <transfer op="cancel">
            <domain:transfer
                xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
                xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
                <domain:name>example.it</domain:name>
                <domain:authInfo>
                    <domain:pw>22fooBAR</domain:pw>
                </domain:authInfo>
                </domain:transfer>
            </transfer>

```

```

    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

3.4.5 Example of a response to a request for Transfer Domain con op = cancel

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1001">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <resData>
      <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:trStatus>clientCancelled</domain:trStatus>
        <domain:reID>NEW-REGISTRAR</domain:reID>
        <domain:reDate>2008-02-25T07:40:00+01:00</domain:reDate>
        <domain:acID>DEMO-REGISTRAR</domain:acID>
        <domain:acDate>2008-03-01T23:59:59+01:00</domain:acDate>
      </domain:trnData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>MA3347230155</svTRID>
    </trID>
  </response>
</epp>

```

3.4.6 Example of a request for Transfer Domain con op = approve

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <transfer op="approve">
      <domain:transfer
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:authInfo>
          <domain:pw>22fooBAR</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

3.4.7 Example of a response to a request for Transfer Domain con op = approve

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="1001">
<msg lang="en">Command completed successfully</msg>
</result>
<resData>
<domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-
1.0.xsd">
  <domain:name>example.it</domain:name>
  <domain:trStatus>clientApproved</domain:trStatus>
  <domain:reID>NEW-REGISTRAR</domain:reID>
  <domain:reDate>2008-02-25T07:40:00+01:00</domain:reDate>
  <domain:acID>DEMO-REGISTRAR</domain:acID>
  <domain:acDate>2008-03-01T23:59:59+01:00</domain:acDate>
</domain:trnData>
</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>MA3347230155</svTRID>
</trID>
</response>
</epp>

```

3.4.8 Example of a request for Transfer Domain con op = reject

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <transfer op="reject">
      <domain:transfer
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:authInfo>
          <domain:pw>22fooBAR</domain:pw>
        </domain:authInfo>
      </domain:transfer>
    </transfer>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>

```

3.4.9 Example of a request for Transfer Domain con op = reject

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="1001">
<msg lang="en">Command completed successfully</msg>
</result>
<resData>
<domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-

```

```

1.0.xsd">
  <domain:name>example.it</domain:name>
  <domain:trStatus>clientRejected</domain:trStatus>
  <domain:reID>NEW-REGISTRAR</domain:reID>
  <domain:reDate>2008-02-25T07:40:00+01:00</domain:reDate>
  <domain:acID>DEMO-REGISTRAR</domain:acID>
  <domain:acDate>2008-03-01T23:59:59+01:00</domain:acDate>
  </domain:trnData>
</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>MA3347230155</svTRID>
</trID>
</response>
</epp>

```

3.4.10 Effects of a Transfer Domain

If the change of Registrar is successful, i.e. endorsed by the old Registrar or automatically by the system:

- the "registrant" and "admin" contacts referenced in the registration of the domain name are automatically copied by the system and they are assigned a new ID in the format **DUPn** where:
 - "**DUP**" is a string of characters that is always present;
 - "**n**" is a random number (9 digits);
- the technical contact of the domain name is updated with the same contact-ID (in the format **DUPn**) of the Registrant referenced in the registration of the domain name;
- the expiry date of the domain name is updated;
- the domain name is in **ok**;
- the transaction is billed to the new Registrar.

The new Registrar may use the contacts with ID in the format **DUPn** or register their own contacts to be associated with the domain name (via the Create Contact + Update Domain, in Sections 3.1.1 and 3.2.2, respectively). It is recommended that they use their contact-IDs by creating new ones, if not yet registered in the Registry Database. If the new Registrar wishes to replace the **DUPn** IDs, they will have to first register their IDs (if not yet present in the Database) using Create Contact (see Section 3.1.1). Subsequently, using Update Domain, the Registrar will update the registration of the domain name in order to replace the various **DUPn** IDs with the IDs that they have just registered (see Section 3.2.2).

It is the new Registrar's responsibility to update the value of the AuthInfo and, if necessary, the hosts associated with the domain name (also through an Update Domain, see Section 3.2.2).

If the new Registrar has opted for the replacement of the **DUPn** associated with the Registrant with their own ID and also wishes to change the host associated with the domain name, they must carry out two Update Domain transactions:

- the first to change the hosts associated with the domain name and, if necessary, replace the IDs of the technical and administrative contacts;
- the second to change the Registrant by replacing the **DUPn** with the new ID at the same time as the change of AuthInfo associated with the domain name.

The order in which these Update Domain requests are submitted to the server can also be inverted.

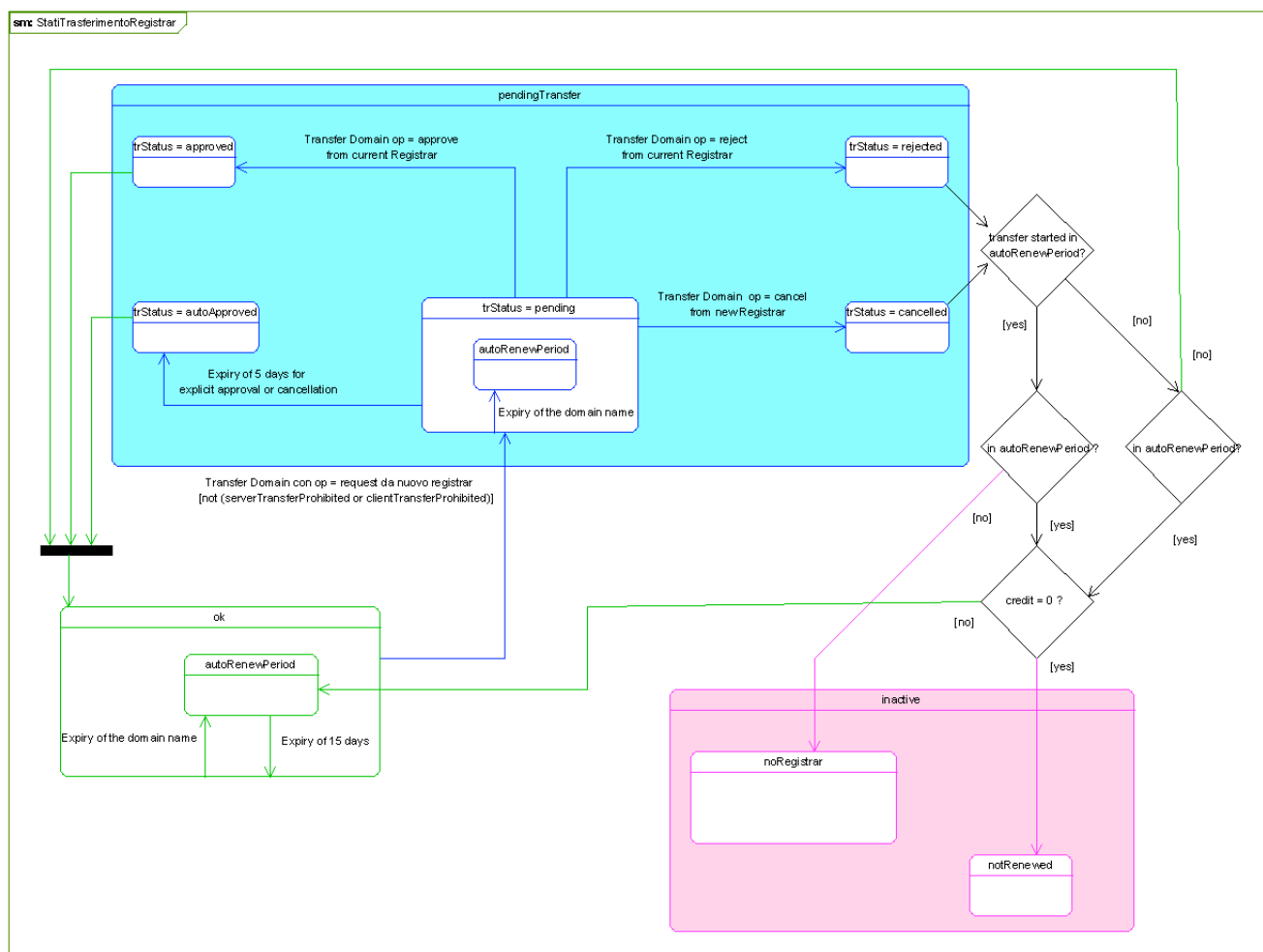
On the other hand, if the new Registrar has decided to keep the duplicate Registrant (**DUPn**), they can change the host name associated with the domain with just one Update

Domain (see Section 3.2.2), and replace, if necessary, the IDs of technical and administrative contacts and the AuthInfo.

Any **DUPn** duplicate contacts that are no longer referenced in any domain name in the Registry Database, may be cancelled by the Registrar using EPP Delete Contact (see Section 3.11.1).

If the change of the Registrar is not successful, i.e. is rejected by the old Registrar or cancelled by the new Registrar:

- the cost is re-debited to the new Registrar and therefore will not be invoiced;
- the domain name is placed in a status that can vary depending on whether the transaction started or not in the *autoRenewPeriod* and whether the old Registrar has enough credit or not, so:
 - if the transaction started in *autoRenewPeriod* and the *autoRenewPeriod* has not yet expired, the domain name goes into one of the following statuses:
 - *ok/autoRenewPeriod* if the old Registrar has sufficient credit;
 - *inactive/notRenewed* if the old Registrar has insufficient credit;
 - if the transaction started in *autoRenewPeriod* and the *autoRenewPeriod* has expired, the domain name goes into *inactive/noRegistrar*;
 - if the transaction did not start in *autoRenewPeriod* and *autoRenewPeriod* has since expired, the domain name goes into one of the following statuses:
 - *ok/autoRenewPeriod* if the old Registrar has sufficient credit;
 - *inactive/notRenewed* if the old Registrar has insufficient credit;
 - if the transaction did not start in *autoRenewPeriod*, and there has been no expiry, the domain name goes back to *ok* status.



3.5 Change of Registrar with the simultaneous change in the Registrant

The change of Registrar and change of Registrant of a domain name registered in the Registry Database may be performed simultaneously using EPP Transfer-Trade Domain. The command is similar to that used for the change of the Registrar (Transfer Domain with op = "request", see Section 3.4.2) with an additional extension (<extdom:trade>) that allows the new Registrar, at the request of the new Registrant, to change the Registrant and consequently the value of the AuthInfo associated with the domain name itself. To do this type of transaction, the old Registrant has to inform the new Registrant of the value of the AuthInfo currently associated with the domain name, which the new Registrar will then have to insert in the request. At the same time as the change of the Registrant with the change of the Registrar, the new Registrar must provide new AuthInfo (see Section 3.5.2) that must be notified to the new Registrant.

The new Registrar is only charged for the cost relating to the change of the Registrar. Regarding the interaction of the new and old Registrar with the EPP server and the possibilities that the server has for notifying both the steps of the status of the transfer, what was said for the change of the Registrar is valid here too (see Section 3.4).

3.5.1 Validation steps for the change of the Registrar with a simultaneous change of the Registrant

The system verifies that the Transfer-Trade Domain request is compatible with:

- restrictions on the request for Transfer Domain with op = "request" for the change of

- the Registrar (see Section 3.4.1);
- restrictions on the Domain Update request for the change of Registrant (see Section 3.3.1).

3.5.2 Example of a request for Transfer-Trade Domain

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <transfer op="request">
      <domain:transfer
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:authInfo>
          <domain:pw>22fooBAR</domain:pw>
        </domain:authInfo>
        </domain:transfer>
      </transfer>
    <extension>
      <extdom:trade
        xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
        xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0
extdom-1.0.xsd">
        <extdom:transferTrade>
          <extdom:newRegistrant>ml001</extdom:newRegistrant>
          <extdom:newAuthInfo>
            <extdom:pw>NEW2fooBAR</extdom:pw>
          </extdom:newAuthInfo>
          </extdom:transferTrade>
        </extdom:trade>
      </extension>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

3.5.3 Examples of a response to a request for Transfer-Trade Domain

Example 1

Response to a successful Transfer-Trade Domain:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1001">
      <msg lang="en">Command completed successfully; action
pending</msg>
    </result>
    <resData>
      <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-
1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:trStatus>pending</domain:trStatus>
      </domain:trnData>
    </resData>
  </response>
</epp>
```

```

<domain:reID>NEW-REGISTRAR</domain:reID>
<domain:reDate>2009-02-16T22:30:14+01:00</domain:reDate>
<domain:acID>DEMO-REGISTRAR</domain:acID>
<domain:acDate>2009-02-21T23:59:59+01:00</domain:acDate>
</domain:trnData>
</resData>
<extension>
<extdom:trade xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0 extdom-1.0.xsd">
<extdom:transferTrade>
<extdom:newRegistrant>ml001</extdom:newRegistrant>
<extdom:newAuthInfo>
<extdom:pw>NEW2fooBAR</extdom:pw>
</extdom:newAuthInfo>
</extdom:transferTrade>
</extdom:trade>
</extension>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>MA0373456171</svTRID>
</trID>
</response>
</epp>

```

Example 2

Response to a failed Transfer-Trade Domain. The error is due to wrong AuthInfo in the request:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="2202">
<msg lang="en">Invalid authorization information</msg>
<extValue>
<value>
<reasonCode xmlns="">9002</reasonCode>
</value>
<reason lang="en">Invalid domain authorization
information</reason>
</extValue>
</result>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>MA6177102420</svTRID>
</trID>
</response>
</epp>

```

Example 3

Response to a failed Transfer-Trade Domain. The error is due to the fact that the domain is not in a status allowed by the transaction requested:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">

```



```
<response>
  <result code="2304">
    <msg lang="en">Object status prohibits operation</msg>
    <extValue>
      <value>
        <reasonCode xmlns="">9022</reasonCode>
      </value>
      <reason lang="en">Domain has status
clientTransferProhibited</reason>
    </extValue>
  </result>
</trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>MA7670067452</svTRID>
</trID>
</response>
</epp>
```

3.5.4 Effects of Trade-Domain Transfer

The impact of the Transfer-Trade is the sum of those of a Domain Transfer for the change of the Registrar (see Section 3.4.10) with those of an Update Domain for the change of the Registrant (see Section 3.3.3).

If the change of the Registrar change is successful, i.e. is approved by old Registrar or automatically by the system:

- the domain object is changed by associating with it both the new Registrant and the new AuthInfo;
- to the “admin” and “tech” contacts are assigned the same contact-ID of the new Registrant of the domain name indicated in the Transfer-Trade Domain command;
- the expiry date of the domain name is updated;
- the domain name goes into **ok**;
- the transaction is billed to the new Registrar;
- the system sends an email to both the new and the old Registrant in the format specified in Section 3.3.3.

If the change of the Registrar along with the simultaneous change of Registrant is completed successfully, the new Registrar can, if necessary, update the host associated with the domain name and the technical contact with just one Domain Update transaction (see Section 3.2.2).

If the change of Registrar is not successful, i.e. is rejected by the old Registrar or cancelled by the new Registrar:

- the change of the Registrant is not made, with the result that the Registrant and the AuthInfo currently associated with the domain name remain unchanged;
- the cost is re-credited to the new Registrar and is not invoiced;
- the status of the domain name changes according to the procedures described in Section 3.4.10.

3.6 Request for change from Maintainer to Registrar of a registered domain name

A Registrant who wishes to move their domain name from the current Maintainer to a Registrar must send a paper request to the Registry in accordance with the two forms

referred to in Sections 3.6.1 and 3.6.2.

Each form is divided into four parts:

- the first part contains the following information:
 - the domain name of the request for change;
 - if the Registrant is a natural person, it includes:
 - their personal details and tax code;
 - if the Registrant is an entity other than a natural person, it includes:
 - personal details and tax code of the person who, as representative of the Registrant, endorses the request, the registered office and tax information of the Registrant of the domain name;
 - the tag of the current Maintainer (MNT tag);
 - the tag of the new Registrar (REG tag);
 - the new identifier of the Registrant (contactID);
- the second part is related to indemnity in case of a false statement;
- the third part contains:
 - the place and date of the request for the change of the Maintainer;
 - the signature of the applicant;
- the fourth part is related to a disclosure on the protection and processing of personal data.

No variations to the forms mentioned above can be made. The Registrant must complete all the required fields for their particular "category", which are summarized in the table below.

Compilation of the request for change from Maintainer to Registrar

Requested data	Domain names assigned to natural persons (without VAT number)	Domain names assigned to subjects other than natural persons	Notes
Requester name and surname and request subscriber	<i>Mandatory</i>	<i>Mandatory</i>	(1)
Place of birth	<i>Mandatory</i>	<i>Mandatory</i>	(2)
Date of birth	<i>Mandatory</i>	<i>Mandatory</i>	(3)
Residence	<i>Mandatory</i>	<i>"Not applicable"</i>	(4)
Tax code/ identity card	<i>Mandatory</i>	<i>Mandatory</i>	(5)
Business name	<i>"Not applicable"</i>	<i>Mandatory</i>	(6)
Name and surname of legal representative	<i>"Not applicable"</i>	<i>Mandatory</i>	
Legal residence	<i>"Not applicable"</i>	<i>Mandatory</i>	(7)
VAT number	<i>"Not applicable"</i>	<i>Mandatory</i>	(8)
Current Maintainer tag	<i>Mandatory</i>	<i>Mandatory</i>	(9)
New Registrar tag	<i>Mandatory</i>	<i>Mandatory</i>	(10)
New identifier of the Registrant (contactID)	<i>Mandatory</i>	<i>Mandatory</i>	(11)
Requester signature	<i>Mandatory</i>	<i>Mandatory</i>	(12)

Notes

- (1) Natural persons who have more than one first name and surname must give them all in full. No tags of first names or surnames are allowed.
- (2) The place of birth must also be given in full, including the province and/or foreign state.
- (3) The date of birth of the person (1) must be given in the format "dd-mm-yyyy."

- (4) The residence address of the person listed in (1) must be given. Natural persons residing outside Italy must give the country of residence.
- (5) Italian citizens must give their tax code. People in other EU statuses where there is not an equivalent of the tax code, must give the number of their identity document.
- (6) The complete company name of the Registrant of the domain name must be given (e.g. Pippo di Mario Rossi, Pippo sas di Mario Bianchi & c).
- (7) The address of the registered office must be given (street, city, province, post code, foreign state, if any) of the Registrant of the domain name listed in (6).
The VAT number or tax identification number of the Registrant of the domain name must be given. For associations that have no tax code number the date of incorporation must be indicated. For organizations that reside in other EU statuses an equivalent must be provided (eg: tax code).
- (8) The tag of the Maintainer currently associated with the domain name must be given.
- (9) The tag of the new Registrar must be given.
- (10) The new identifier (contactID) of the Registrant, previously registered by the new Registrar of the domain name, must be given.
- (11) The request must be signed by the person listed in (1).
- (12)

For Registrants (natural persons and/or firms) belonging to a member of the EU other than Italy, the same principles apply, except as provided by law in the individual statuses.

3.6.1 Form for the request for the change from Maintainer to Registrar of a domain name assigned to a natural person

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Maintainer change for the domain name _____ .IT

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) resident in (**address [street/square, locality, postal code, province or foreign state]**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), contact code (**contactID**), Registrant of the domain name in question, requests a Maintainer change for his/her domain name from _____-MNT (**current MNT tag**) to _____-REG (**new Registrar tag**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Maintainer for domain names assigned to natural persons - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Maintainer of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Maintainer.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.6.2 Form for the request for the change from Maintainer to Registrar of a domain name assigned to a subject other than a natural person

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Maintainer change for the domain name _____ .IT

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), delegated to represent in the present agreement the organization named (**corporate name**) with legal representative (**first name, surname**) with VAT number (**VAT number or tax code**) with registered office in (**address [street/square, locality, postal code, province or foreign state]**), contact code (**contactID**), assignee of the domain name in question, requests a Maintainer change for its domain name from _____ MNT (**current MNT tag**) to _____ -REG (**new Registrar tag**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Maintainer for domain names assigned to subjects that are not natural persons - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Maintainer of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Maintainer.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.6.3 Sending the request for the change from Maintainer to Registrar to the Registry

The request for the change from Maintainer to Registrar can be sent to the Registry, by the new Registrar or by the Registrant, by post, courier or fax. We recommend sending it through the new Registrar as this is the most efficient way in terms of management. Requests for the change of Maintainer sent by fax must only be sent to +39 050 570230. The request can be on several pages (A4) and of a size and format different from that given in the forms on the Registry website - but no changes must be made to the wording and contents.

All requests for the change from Maintainer to Registrar must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

3.6.4 Tests for congruence between the paper request and data in the Registry Database

The Registry, upon a legible paper request for the change from Maintainer to Registrar, verifies the congruence between the data reported in the request and what is registered in the Database. The Registry checks that:

- the domain name given in the application is registered;
- there is a correspondence between the Maintainer tag indicated in the request and the one currently in the registration of the domain name;
- the Registrar reported in the request has an active contract with the Registry and transactions have not been suspended;
- the new identifier of the Registrant (contactID) given in the request:
 - is registered in the Database;
 - is registered as a Registrant contact;
 - has been registered by the Registrar set out in the request;
 - is a new contactID;
 - is not referenced as a Registrant of any domain name;
- there is a correspondence between the name of the Registrant listed in the request and that in the registration of the Registrant in the Database, identified by the contactID which is itself given in the paper request;
- there is a correspondence between the VAT number or tax identification number of the Registrant listed in the request and the VAT number or tax code in the registration of the Registrant in the Database, identified by the contactID which is itself given in the paper request;
- the domain name is not one of the following asynchronous statuses: REGISTRAR-TRANSFER, BULK TRANSFER-, REGISTRANT-TRANSFER, PENDING-DELETE, REVOKED, REDEMPTION-PERIOD, REGISTRAR-LOCK, REGISTRAR-HOLD, REGISTRANT-HOLD, THIRDPARTY-HOLD, REGISTRY-LOCK, REGISTRY-HOLD, TO-BE-REASSIGNED;
- all the mandatory fields have been filled in.

If the checks are not successful and the request is legible, the Registry sends the new Registrar an email containing:

- the domain name;
- the inconsistencies;
- the date and time of receipt of the request for the change of Maintainer by the Registry.

If the transaction is not successful, the data in the Registry Database for the domain name that is the subject of the request for the change from Maintainer to Registrar remain unchanged.

3.6.5 Conclusion of the change from Maintainer to Registrar

If the checks are successful, the Registry will email the old Maintainer and the new Registrar:

- the name of the domain;
- the date and time of the receipt of the request;
- the name of the Maintainer and Registrar involved in the operation;
- the number of pages of the document received.

The Registry will thus:

- change the registration of the domain name by inserting the reference of the Registrar listed in the paper request;
- generate the "AuthInfo" code for the domain name;
- email the AuthInfo to the Registrar who, in turn, must notify the Registrant;
- change the Registrant of the domain name by inserting the new identifier of the Registrant (contactID) listed in the paper request;
- associate the technical and administrative contacts of the domain name with the contactID of the Registrant;
- email a request to the "old" Maintainer to remove proxies of nameservers for the domain name subject to change;
- change the expiry date of the domain name;
- invoice the transaction to the new Registrar.

The Registrar can change the technical contact and the nameservers associated with the domain name as well as the administrative contact in cases where the Registrant is an entity other than natural person (see Section 3.2.2).

3.7 Request for a change from Registrar to Maintainer of a registered domain name

Starting from January 01, 2011 it is no longer possible to carry out the "hybrid" operation for the transfer of a domain name from a Registrar to a Maintainer.

3.8 Request for a change from Maintainer to Registrar with a simultaneous change of the Registrant of a registered domain name

In the case of a domain name transfer from the current Registrant to another Registrant with a simultaneous change from the current Maintainer to a Registrar, the Registry must receive a request on paper using the forms referred to in Sections 3.8.2, 3.8.3, 3.8.4 , 3.8.5, 3.8.6 and 3.8.7.

Each form is divided into four parts:

- the first part contains the following information:
 - the domain name of the request for change;
 - if the Registrant is a natural person, it includes:
 - their personal details and tax code;
 - if the Registrant is an entity other than a natural person, it includes:
 - the name and tax of natural person, acting as representative of the Registrant, endorses the request, the head office and related tax information;
 - if the new Registrant is a natural person it includes:
 - their personal details and tax code;
 - if the new Registrant is an entity other than a natural person, it includes:
 - the name and tax of the person who, as representative of the new Registrant, endorses the request and the registered office and the tax information;
 - the tag of the current Maintainer (MNT tag);
 - the identifier of the new Registrant (contactID);
 - the tag of the new Registrar (REG tag);
- the second part is related to indemnity in case of a false statement;
- the third part contains:
 - the place and date of the request for the change of the Maintainer document;
 - the signature of the natural persons or of the legal representatives of the Registrants;
- the fourth part is related to a disclosure on the protection and processing of personal data.

No variations to the forms mentioned above can be made. The Registrant must complete all the required fields for their particular "category", which are summarized in the table below.

Compilation of the request for a change from Maintainer to Registrar with a simultaneous change of the Registrant

Requested data	Domain names assigned/to be assigned to natural persons (without VAT number)	Domain names assigned/to be assigned to subjects other than natural persons	Notes
Requester name and surname and request subscriber	Mandatory	Mandatory	(1)
Place of birth	Mandatory	Mandatory	(2)
Date of birth	Mandatory	Mandatory	(3)
Residence	Mandatory	"Not applicable"	(4)
Fiscal code/identity card	Mandatory	Mandatory	(5)
Business name	"Not applicable"	Mandatory	(6)
Name and surname of legal representative	"Not applicable"	Mandatory	
Legal residence	"Not applicable"	Mandatory	(7)
VAT number	"Not applicable"	Mandatory	(8)
Current Maintainer tag	Mandatory	Mandatory	(9)
New Registrant identifier (contactID)	Mandatory	Mandatory	(10)
New Registrar tag	Mandatory	Mandatory	(11)
Requesters signatures	Mandatory	Mandatory	(12)

Notes

- (1) Natural persons who have more than one first name and surname must give them all in full. No tags of first names or

- surnames are allowed.
- (2) The place of birth must also be given in full, including the province and/or foreign state.
 - (3) The date of birth of the person (1) must be given in the format "dd-mm-yyyy."
 - (4) The residence address of the person listed in (1) must be given. Natural persons residing outside Italy must give the country of residence.
 - (5) Italian citizens must give their tax code. People in other EU statuses where there is not an equivalent of the tax code, must give the number of their identity document.
 - (6) The complete company name of the Registrant of the domain name must be given (e.g. Pippo di Mario Rossi, Pippo sas di Mario Bianchi & c).
 - (7) The address of the registered office must be given (street, city, province, post code, foreign state, if any) of the Registrant of the domain name listed in (6).
 - (8) The VAT number or tax identification number of the Registrant of the domain name must be given. For associations that have no tax code number the date of incorporation must be indicated. For organizations that reside in other EU statuses an equivalent must be provided (eg: tax code).
 - (9) The tag of the Maintainer currently associated with a domain name must be given
 - (10) The identifier of the new Registrant (contactID), previously registered by the new Registrar of the domain name, must be given.
 - (11) The tag of the new Registrar that will maintain the domain name in a synchronous way, must be given
 - (12) The request must be signed by the person listed in (1).

For Registrants (natural persons and/or firms) belonging to a member of the EU other than Italy, the same principles apply, except as provided by law in the individual statuses.

3.8.1 Special cases of change from Maintainer to Registrar with a simultaneous change of the Registrant

For changes of Registrant due to legal successions, i.e. a merger or acquisition, the procedure is identical to the one described above, except that the document containing the identities of the current and new Registrant must only be signed by the latter.

If the change of Registrant is due to company transformation or corporate name change, the form for the request to change the Registrant outlined in Section 3.8.6, must only be signed by the new Registrant and contain information relating to data of the Registrant of the domain name in the Registry Database and the new data of the Registrant after the transformation of the company or corporate name change.

For changes of the Registrant of a domain name assigned to a natural person, due to legal succession, the form shown in Section 3.8.7 must be accompanied by a declaration of the heirs relating to the right of the new Registrant to take over the assignment of the domain name.

Changes of the Registrant due to company transformation, corporate name change, merger or acquisition, must be accompanied by documentation demonstrating the company changes that led to the request for the change of Registrant.

3.8.2 Form for the request for the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name (from natural person to natural person)

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____ .IT

The undersigned (*first name, surname*) born in (*place of birth and [province or foreign state]*) on (*date of birth*) resident in (*address [street/square, locality, postal code, province or foreign state]*) tax code number or identity document number (*tax code or number of*

identity card for foreign nationals not resident in Italy), current Registrant of the domain name in question with Maintainer _____-MNT (**current MNT tag**) requests to Registry of ccTLD.it that the domain name is assigned to (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) resident in (**address [street/square, locality, postal code, province or foreign state]**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), contact code (**contactID**), through the Registrar _____-REG (**new Registrar tag**).

The undersigned are aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant between natural persons - Version 2009-01

The undersigned (current Registrant) Name and Surname _____ (Signature)	The new Registrant Name and Surname _____ (Signature)
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"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

- 3.8.3 Form for the request for the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name (from a natural person to a subject other than a natural person)

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____**.IT**

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) resident in (**address [street/square, locality, postal code, province or foreign state]**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), current Registrant of the domain name in question with Maintainer _____-MNT (**current MNT tag**) requests the Registry of ccTLD.it that the domain name is assigned to the organization named (**corporate name**)

legally represented by *(first name, surname)* VAT number *(VAT number or tax code)* with registered office in *(registered office [street/square, locality, postal code, province or foreign state])* represented for the purposes of this agreement by *(first name, surname)* born in *(place of birth and [province or foreign state])* on *(date of birth)* tax code number or identity document number *(tax code or number of identity card for foreign nationals not resident in Italy)*, contact code *(contactID)*, through the Registrar _____ -REG *(new Registrar tag)*.

The undersigned are aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant from natural person to an entity that is not a natural person - Version 2009-01

The undersigned (current Registrant) <i>Name and Surname</i> _____ <i>(Signature)</i>	The new Registrant <i>Name and Surname</i> _____ <i>(Signature)</i>
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"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.8.4 Form for the request for the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name (from a subject other than a natural person to a natural person)

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____ .IT

The undersigned *(first name, surname)* born in *(place of birth and [province or foreign state])* on *(date of birth)* resident in *(address [street/square, locality, postal code, province or foreign state])* tax code number or identity document number *(tax code or number of identity card for foreign nationals not resident in Italy)*, as legal representative of the organization named *(corporate name)* *(VAT number or tax code)* with registered office in *(address [street/square, locality, postal code, province or foreign state])*, current Registrant of the domain name in question with Maintainer _____ -MNT *(current MNT tag)* requests the Registry of ccTLD.it that the domain name that is the subject of the

present request be assigned to **(first name, surname)** born in **(place of birth and [province or foreign state])** on **(date of birth)** resident in with tax code number or identity document number **(tax code or number of identity card for foreign nationals not resident in Italy)** contact code **(contactID)**, through the Registrar _____ -REG **(new Registrar tag)**.

The undersigned are aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant from an entity that is not a natural person to a natural person - Version 2009-01

The undersigned (current Registrant) Name and Surname _____ (Signature)	The new Registrant Name and Surname _____ (Signature)
---	---

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

- 3.8.5 Form for the request of the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name (from a subject other than a natural person to another subject other than a natural person)

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____ .IT

The undersigned **(first name, surname)** born in **(place of birth and [province or foreign state])** on **(date of birth)** tax code number or identity document number **(tax code or number of identity card for foreign nationals not resident in Italy)**, as legal representative of the organization named **(corporate name) (VAT number or tax code)** with registered office in **(address [street/square, locality, postal code, province or foreign state])**, current Registrant of the domain name in question with Maintainer _____ -MNT **(current MNT tag)** requests the .it Registry that the domain name that is the subject of the present request be assigned to the organization named **(corporate name)** with legal representative **(first**

name, surname) VAT number (*VAT number or tax code*) with registered office in (*address [street/square, locality, postal code, province or foreign state]*), represented for the purposes of the present agreement by (*first name, surname*) born in (*place of birth and [province or foreign state]*) on (*date of birth*) with tax code number or identity document number (*tax code or number of identity card for foreign nationals not resident in Italy*) contact code (*contactID*), through the Registrar _____-REG (*new Registrar tag*).

The undersigned are aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant between entities other than natural persons - Version 2009-01

The undersigned (current Registrant) <i>Name and Surname</i> _____ <i>(Signature)</i>	The new Registrant <i>Name and Surname</i> _____ <i>(Signature)</i>
--	--

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.8.6 Form for the request of the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name following a transformation, merger or name change

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____**.IT** following corporate transformation/merger/change of name

The undersigned (*first name, surname*) born in (*place of birth and [province or foreign state]*) on (*date of birth*) tax code number or identity document number (*tax code or number of identity card for foreign nationals not resident in Italy*), as legal representative of the organization named (*new corporate name*) VAT number (*VAT number or tax code*) with registered office in (*address [street/square, locality, postal code, province or foreign state]*), contact code (*contactID*), declares that the domain name in question with Maintainer _____-MNT (*current MNT tag*) has been:

- ☐ transformed
- ☐ merged
- ☐ subject to a name change

which led to a variation in the previous name (**old corporate name**) VAT number (**VAT number or tax code**) and attaches documentation proving what stated above.

The undersigned, moreover, requests the Registry of the ccTLD.it the assignment of the domain name in question through the Registrar _____ -REG (**new Registrar tag**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant following corporate transformation/merger/change of name - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.8.7 Form for the request for the change from Maintainer to Registrar with a simultaneous change of the Registrant of a domain name following succession

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: Registrant change for the domain name _____ .IT following succession

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), contact code (**contactID**), following the decease of (**first name, surname**), Registrant of the domain name in question with Maintainer _____ -MNT (**current MNT tag**) as heir to the

ownership of the domain name in question requests the assignment of the domain name in question through the Registrar _____ -REG (**new Registrar tag**). The undersigned attaches the documentation and the declaration of any other heirs with regard to the ownership of the new Registrant to take over the assignment of the domain name.

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Change of the Registrant following succession - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrant of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is for the purposes of evaluation of the request to change the Registrant.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.8.8 Sending the request for the change from Maintainer to Registrar with a simultaneous change in the Registrant to the Registry

The request for the change from Maintainer to Registrar with a simultaneous change in the Registrant can be sent to the Registry, by the new Registrant or by the Registrar, by post, courier or fax. We recommend sending it through the Registrar as this is the most efficient way in terms of management. Requests for the change of Maintainer with a simultaneous change in the Registrant sent by fax must only be sent to +39 050 570230. The requests can be on several pages (A4) and of a size and format different from that given in the forms on the Registry website - but no changes must be made to the wording and contents.

All requests for the change from Maintainer to Registrar with a simultaneous change in the Registrant must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

3.8.9 Tests for congruence between the paper request and data in the Registry Database

The Registry, upon a legible paper request for the change from Maintainer to Registrar with a simultaneous change in the Registrant, verifies the congruence between the data reported in the request and what is registered in the Database. The Registry checks that:

- the domain name given in the request is registered;
- there is a correspondence between the VAT number or tax identification number of the old Registrant listed in the request and the VAT number or tax code in the registration of the old Registrant in the Database;
- there is a correspondence between the name of the old Registrant listed in the request and that in the registration of the old Registrant in the Database;
- there is a correspondence between the Maintainer tag indicated in the request and the one currently in the registration of the domain name;
- the identifier of the new Registrant (contactID) given in the request:
 - is registered in the Database;
 - is registered as a Registrant contact;
 - has been registered by the Registrar set out in the request
 - is a new contactID;
 - is not referenced as a Registrant of any domain name;
- there is a correspondence between the name of the new Registrant listed in the request and that present in the registration of the Registrant in the Database, identified by the contactID also reported in the paper request;
- there is a correspondence between the VAT number or tax identification number of the new Registrant listed in the request and the VAT number or tax code in the registration of the Registrant in the Database, identified by the contactID that is also reported in the paper request;
- the Registrar reported in the request has an active contract with the Registry and transactions have not been suspended;
- the domain name is not one of the following asynchronous statuses: CHALLENGED, REGISTRAR-TRANSFER, BULK-TRANSFER, REGISTRANT-TRANSFER, REGISTRANT-HOLD, REGISTRAR-HOLD, REGISTRAR-LOCK, REGISTRY-LOCK, REGISTRY-HOLD, THIRDPARTY-HOLD, REDEMPTION-PERIOD, REDEMPTION-NO-PROVIDER, REVOKED, PENDING-DELETE and TO-BE-REASSIGNED;
- all the mandatory fields have been filled in.

If the checks are not successful and the request is legible, the Registry sends the new Registrar an email containing:

- the domain name;
- the inconsistencies;
- the date and time of receipt by the Registry of the request for change.

If the transaction is not successful, the data in the Registry Database for the domain name that is subject of the request for change, remain unchanged.

3.8.10 Conclusion of the change from Maintainer to Registrar with a simultaneous change of the Registrant

If the checks are successful, the Registry will email the Maintainer and the Registrar involved in the request the following data:

- the name of the domain registered;
- the date and time of the receipt of the request;
- the name of the Maintainer and of the Registrar involved in the operation;
- the number of pages of the document received.

The Registry will thus:

- modify the registration of the domain name by entering the reference of the new Registrar listed in the paper request;
- generate the "AuthInfo" code for the domain name;
- email the AuthInfo to the Registrar who, in turn, must notify the Registrant;
- change the Registrant of the domain name by entering the identifier of the new Registrant (contactID) given in the paper request;
- associate the technical and administrative contacts of the domain name with the contactID of the Registrant;
- email the "old" Maintainer to remove proxies of nameservers for the domain name subject to change;
- change the date of expiry of the domain name;
- invoice the new Registrar for the change from Maintainer to Registrar (the new Registrar will thus not have any further cost due to the simultaneous change of the Registrant).

The Registrar can change the technical contact and nameservers associated with the domain name as well as the administrative contact in cases where the Registrant is an entity other than natural person (see Section 3.2.2).

3.9 Request for the change from Registrar to Maintainer with a simultaneous change in the Registrant of a registered domain name

Starting from January 01, 2011 it is no longer possible to carry out the "hybrid" operation for the transfer of a domain name from a Registrar to a Maintainer with a simultaneous change of the Registrant.

3.10 Transfer of a large number of domain names through a *Bulk Transfer*

A *Bulk Transfer* permits, with one transaction, the transfer of a considerable number of domain names between two Registrars or from a Maintainer to a Registrar.

There is a fixed cost for a *Bulk Transfer* of up to 500 domain names, and an extra cost for each domain name in excess of 500 names. The costs and fees are set out in the service contract between the Registry and the Registrar.

A *Bulk Transfer* can only be requested through an online procedure available on the RAIN-NG (*Registrar Advanced INterface Next Generation*) portal, in "*Bulk Transfer*" section, and by sending the Registry a written document signed by both parties involved in the transaction (Registrar and/or Maintainer).

If the *Bulk Transfer* is not successful, there is no update of the expiry date of the domain names, which therefore remain unchanged.

For each *Bulk Transfer*, the parties involved (Registrar and/or Maintainer) must send a paper request to the Registry signed by their legal representatives or by persons delegated by them. The request must contain a statement that the Registrants of the domain names involved in the *Bulk Transfer* have been informed and have given their consent to the transfer.

3.10.1 Online Request Form for *Bulk Transfer*

The Registrar or Maintainer that wishes to perform a *Bulk Transfer* of a significant number of domain names to another Registrar, must access the RAIN-NG portal - "*Bulk Transfer*" section and fill in the following online form:

3.10.1.1 Online request form to be filled in by the Registrar or Maintainer transferor

Subject: request by the Registrar/Maintainer transferor to change the Registrar/Maintainer through a *Bulk Transfer*

The undersigned (*first name, surname*), legal representative or proxy of the legal representative (*first name, surname of legal representative*), of the organization² (*name, VAT number or tax code, REG/MNT tag*) with registered office (*registered office [street/square, locality, postal code, province or foreign state]*) owner of the contract for the registration of domain names in the ccTLD.it, requests that for the domain names listed below³ there be a Bulk Transfer to the Registrar **REG tag (give the new Registrar to which to transfer the domain names)**.

The undersigned declares that the Registrants of the domain names contained in the list have been informed and that they have accepted the *Bulk Transfer* in question⁴.

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties. The undersigned declares that he/she is not part of any judicial procedures relating to the present *Bulk Transfer*.

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change of the Registrar/Maintainer through a Bulk Transfer operation. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request. The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the Bulk Transfer request. The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

Date

3.10.2 Verification, Registrar or Maintainer transferor side, of domain names in *Bulk Transfer*

When the electronic form has been filled in, the request goes into "SUBMITTED". Then, an automatic Registry procedure checks whether the domain names listed may be subject to a "Bulk transfer". In particular, it checks that:

- the Registrar or the Maintainer of the domain names coincides with the Registrar or the Maintainer who has logged on the RAIN-NG portal to make the request for transfer;
- the REG tag of the Registrar transferee inserted in the form corresponds to a REG tag registered in the Registry Database;
- the Registrar transferee has an active contract with the Registry and that transactions have not been suspended;
- the domain names in the list are in the following statuses:

² The data of the organization are taken directly from the Database of the Registry. They are presented to the Registrar/Maintainer and cannot be modified

³ The list is provided by uploading a text file containing one domain name per line

⁴ Click to accept. If not accepted, the procedure stops

- ok, ok/autoRenewPeriod, inactive/notRenewed and ok/challenged, if domain names are currently managed by a Registrar;
- ACTIVE, NO-PROVIDER, REDEMPTION-NO-PROVIDER, CHALLENGED, GRACE-PERIOD and REDEMPTION-PERIOD, if domain names are currently managed by a Maintainer.

After the procedure, the system automatically generates an email to the Registrar or Maintainer transferor with the outcome of the procedure and a univocal identification that gives the list of domain names involved in the transaction.

If the procedure is not successful, the email contains the errors found during the verification procedure of domain names covered by the Bulk Transfer. The Bulk Transfer request goes into "REJECTED".

If successful, the Bulk Transfer request goes into "VERIFIED" the system simultaneously sends an automatic email to the Registrar or Maintainer transferor. The system also generates an email to the Registrar transferee containing:

- information related to the request for transfer;
- the URL⁵ to which to access the RAIN portal to complete the Bulk Transfer.

The Registrar transferee has 10 (ten) working days in which to access the RAIN-NG portal and accept the request for Bulk Transfer, or reject it.

If this period terminates without the Registrar transferee having accepted or rejecting the request, the request goes into "EXPIRED".

In the case of a rejection, the system emails the Registrar or Maintainer transferor about this rejection and the Bulk Transfer request goes into "CANCELLED".

If accepted, the Registrar transferee must fill in the electronic form referred to in Section 3.10.2.1.

3.10.2.1 Online Request Form to be filled in by the Registrar transferee

Subject: request by the Registrar transferee to change the Registrar/Maintainer through a Bulk Transfer

The undersigned (*first name, surname*), legal representative or proxy of the legal representative (*first name, surname of legal representative*), of the organization⁶ (*name, VAT number or tax code, REG tag*) with registered office (*registered office [street/square, locality, postal code, province or foreign state]*) owner of the contract for the registration of domain names in the ccTLD.it, requests that for the domain names listed⁷ there be a Bulk Transfer to the Registrar represented by the undersigned.

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties. The undersigned declares that he/she is not part of any judicial procedures relating to the present Bulk Transfer.

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of

⁵ The URL allows the transferee Registrar to access the Bulk Transfer request made by the Registrar or Maintainer transferor that contains the list of domain names validated by the automatic procedure

⁶ The data of the organization are taken directly from the Database of the Registry. They are presented to the Registrar and cannot be modified

⁷ The list of domain names cannot be modified by the transferee Registrar, which can only accept or refuse the Bulk Transfer request

Informatics and Telematics for purposes strictly related to the change of the Registrar/Maintainer through a Bulk Transfer operation. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the Bulk Transfer request.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics.

Date

3.10.3 Verification and acceptance, Registrar transferee side, of the domain names in Bulk Transfer

Once the Bulk Transfer form has been filled in and the transaction accepted⁸, the request goes into "APPROVED" and an automatic procedure verifies that the domain names on the list are in a status compatible with the Bulk Transfer. The procedure checks that the domain names are contained in the list are in one of the following statuses:

- ok, ok/autoRenewPeriod, inactive/notRenewed and ok/challenged, if domain names are currently managed by a Registrar;
- ACTIVE, NO-PROVIDER, REDEMPTION-NO-PROVIDER, CHALLENGED, GRACE PERIOD and REDEMPTION-PERIOD, if the domain names are currently managed by a Maintainer.

The procedure then places the domain names into:

- pendingTransfer/bulk, if the domain names are managed by a Registrar;
- BULK-TRANSFER, if the domain names are managed by a Maintainer.

If the procedure finds that one or more domain names are in a status that is incompatible with the Bulk Transfer, it deletes them from the list of domain names and does not perform a Bulk Transfer, leaving them in the status in which they find themselves.

At the end of the Bulk Transfer, the procedure produces a PDF form containing:

- the statements of the Registrar or Maintainer transferor;
- the statements of the Registrar transferee;
- The URL indicating the list of domain names under Transfer Bulk.

The system then emails the Registrar or Maintainer transferor and the Registrar transferee with the outcome of the procedure, and the univocal identification that lists the domain names involved in the transaction. The Bulk Transfer request goes into "DOC_WAITING".

To complete the transaction, the Registrar transferee must:

- print the PDF form generated by the system and relating to the request for the Bulk Transfer, sign it himself and have it signed by the Registrar or Maintainer transferor;
- send it to the Registry. The document can be sent to the Registry, by either the Registrar/Maintainer transferor or Registrar transferee, by post, courier or fax. Requests to change the Registrar or the Maintainer via a Bulk Transfer, sent by fax must only be sent to +39 050 570230 and must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR

⁸ Via Point and Click

Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

The signed form must reach the Registry within 10 (ten) working days after the request for bulk transfer by the Registrar transferee and thus since the assignment of domain names in the status of pendingTransfer/*bulk* or BULK-TRANSFER.

Once the correct paperwork has been received, the Registry:

- modifies the Registrar or the Maintainer currently associated with the domain names that are in pendingTransfer/*bulk* or BULK-TRANSFER with the Registrar transferee;
- duplicates the contacts listed in the registration of the said domain names by associating them with the Registrar transferee;
- restores the domain names status, in the case of Bulk Transfer from Registrar to Registrar, and, in the case of Bulk Transfer from Maintainer to Registrar, converts the statuses from the asynchronous system into the synchronous system, on the basis of the mapping table indicated in Section 4.3.3 of the “Rules for assigning and managing domain names in the ccTLD.it”.

The expiry date of the said domain names is not updated.

If the Bulk Transfer is successful, the Registry generates the "AuthInfo" code for each domain name for which the transaction has concluded. The new Registrar must inform the Registrant of the "AuthInfo" code. The Bulk Transfer request goes into "COMPLETED". However, if 10 (ten) working days pass without having received the form in question, the Registry will restore the domain names that are in pendingTransfer/*bulk* or BULK-TRANSFER to the status before the transaction. In this case the request goes into "EXPIRED".

The following example regards the form generated automatically by the system, which one of the parties involved in the Bulk Transfer (the Registrar/Maintainer transferor or the Registrar transferee) must send to the Registry for the transaction.

Example of a module automatically generated by the system to request a Bulk Transfer

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Donald Duck, the undersigned legal representative of the *Warehouse SpA* VAT number 12345678901, DONALD-REG, located in Depot 23, 57028 Suvereto, LI, holder of the contract for the registration of domain names in the ccTLD.it;

and

Carlo Verdi, the undersigned director delegated by the legal representative *Mario Rossi* of *Colours snc*, VAT No. 21222324259, *COLORS-REG*, based in *Piazza Mille Colori 1*, 56100 Pisa, PI, the contract holder for the registration of domain names in the ccTLD.it;

request

the transaction of "Bulk Transfer" for the domain names in the URL <http://rain.nic.it/.../> ..., from *DONALD-REG* to *COLOURS-REG*.

The parties, as defined above,

declare that

the assignors of the domain names have been informed and have accepted the above change of Registrar.

For the protection of the contracting parties, with regard to the processing of personal data, D. Lgs. 30 June 2003, n. 196 Code relating to the protection of personal data shall be observed.

Data are collected for the sole purpose of managing the transactions described in this document.

The undersigned are aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assume the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

The undersigned declare that they are not a party to any legal proceedings relating to the domain names that are the subject of this Bulk Transfer.

Date,

The undersigned (Registrar transferor) Donald Duck _____ (Signature)	The undersigned, (Registrar transferee) Carlo Verdi _____ (Signature)
--	---

3.11 Procedures for delete and restore

Deletes are carried out using the EPP Delete command: the Registrar must submit a request to Delete Contact or Delete Domain, depending on the object to be deleted. A restore can be made following a cancellation, but only for domain objects.

3.11.1 Deletion of a registered contact

The deletion of a "Registrant", "admin" or "tech" contact registered in the Registry Database is carried out by using Delete Contact.

This can only be requested by the Registrar and can be executed only if the contacts for which the cancellation request are not referenced in any domain object in the Registry Database and thus are not in *ok/linked* status.

In any case, the Registry will automatically delete all the duplicate contacts in the Database that have not been referenced in the registration of any domain name for more than 60 (sixty) days.

3.11.1.1 Delete Contact

Contacts are deleted using Delete Contact. To identify the contact on which to perform the requested transaction, the Registrar must use the ID of the contact.

3.11.1.2 Validation steps for deleting a contact

The system verifies that the request to Delete Contact is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *contact-1.0.xsd* (see Appendix A - EPP Protocol);
- the following additional restrictions:
 - the contact with the specified ID must be present in the Registry Database;
 - the contact with the specified ID must not be referenced in the registration of a domain name (i.e. the status of the contact for which the cancellation has been requested must be different from *ok/linked*);
 - the contact with the specified ID must not be in one of the following statuses: *ok/linked*, *clientDeleteProhibited*, *serverDeleteProhibited*.

3.11.1.3 Example of request for Delete Contact

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <delete>
      <contact:delete
        xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
        <contact:id>c1001</contact:id>
      </contact:delete>
    </delete>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```


3.11.1.4 Examples of a response to a request for Delete Contact

Example 1

Response to a successful request for Delete Contact:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE5642766541</svTRID>
  </trID>
</response>
</epp>
```

Example 2

Response to unsuccessful Delete Contact. The error is due to the fact that the contact is referenced in the registration of at least one domain name.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="2305">
    <msg lang="en">Object association prohibits
operation</msg>
    <extValue>
      <value>
        <reasonCode xmlns="">8005</reasonCode>
      </value>
      <reason lang="en">Contact is associated with
domains</reason>
    </extValue>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE3400722136</svTRID>
  </trID>
</response>
</epp>
```

3.11.1.5 Effects of Delete Contact

If the Delete Contact requested by the Registrar is executed successfully and passes the validation steps described in Section 3.11.1.2, the object contact is immediately removed from the list of active contacts and, therefore, cannot be subject to any transaction.

3.11.2 Deleting a registered domain name

A domain name registered in the Registry Database is deleted using Delete Domain. The transaction allows the Registrar to cancel a domain name at the request of the Registrant or a competent Authority, that is, the maintenance period having expired, when the juridical obligation on the basis of which the Registrar was obliged to maintain the

domain name is terminated, in fact or in law.

3.11.2.1 Validation steps for the deletion of a domain name

The system verifies that the Delete Domain request is compatible with:

- the constraints present in the XML Schema epp-1.0.xsd, eppcom-1.0.xsd, domain-1.0.xsd (see Appendix A - Protocol EPP);
- the following additional restrictions:
 - the domain name for which the transaction is requested must be present in the Registry Database;
 - the domain name for which the transaction is requested must not be in pendingDelete/pendingDelete, pendingDelete/redemptionPeriod, inactive/dnsHold, pendingUpdate, pendingTransfer, pendingTransfer/bulk, ok/noRegistrar, inactive/serverHold, inactive/clientHold, clientDeleteProhibited, serverDeleteProhibited, inactive/revoked, inactive/toBeReassigned.

3.11.2.2 Example of a request for Delete Domain

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <delete>
      <domain:delete
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
      </domain:delete>
    </delete>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

3.11.2.3 Examples of a response to a request for Delete Domain

Example 1

Response to a successful Delete Domain:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <extension>
      <extdom:chgStatusMsgData xmlns:extdom="http://www.nic.it/ITNIC-
EPP/extdom-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-
EPP/extdom-1.0 extdom-1.0.xsd">
        <extdom:name>example.it</extdom:name>
        <extdom:targetStatus>
          <domain:status xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
s="pendingDelete" lang="en" />
        <rgp:rgpStatus xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
```

```
s="redemptionPeriod" lang="en" />
</extdom:targetStatus>
</extdom:chgStatusMsgData>
</extension>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>DE7447371645</svTRID>
</trID>
</response>
</epp>
```

Example 2

Response to a failed Delete Domain. The error is due to the fact that the domain name is in a status that prohibits a delete.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="2304">
<msg lang="en">Object status prohibits operation</msg>
<extValue>
<value>
<reasonCode xmlns="">9024</reasonCode>
</value>
<reason lang="en">Domain has status
clientDeleteProhibited</reason>
</extValue>
</result>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>DE0444027005</svTRID>
</trID>
</response>
</epp>
```

3.11.2.4 Effects of Delete Domain

If the Delete Domain command requested by the Registrar is executed successfully and passes the validation steps described in section 3.11.2.1, the domain name is not immediately removed from the list of active domain names except for the domain names in inactive/*noRegistrar* status.

The domain name goes into pendingDelete/*redemptionPeriod* for a maximum of 30 (thirty) days except for the domain names which, before their deletion, were in inactive/*noRegistrar* status. These domain names are put directly in pendingDelete/*pendingDelete* status.

The domain names that are located in pendingDelete/*redemptionPeriod* are no longer delegates in the ccTLD.it area and can be recovered through the EPP Update Domain command with ext=restore (see Section 3.11.3).

On the expiry of the pendingDelete/*redemptionPeriod*, the domain name goes into pendingDelete/*pendingDelete* and is then completely removed through an automated process within a random period of time up to 5 (five) days. Once deleted, the domain name is removed from the list of active domain names and is immediately available online for a new registration.

The domain names that are in pendingDelete/*pendingDelete* cannot be subjected to any transaction.

3.11.3 Restoring a deleted domain name

A domain name that has been deleted from the Registry Database after a successful delete can be restored through the EPP Update Domain command with = ext restore.

The transaction allows the Registrar to restore a domain name in pendingDelete/*redemptionPeriod* or pendingDelete/clientTransferProhibited/*redemptionPeriod*, at the request of the Registrant or a competent Authority. The domain names which are in ok/*noRegistrar* or inactive/*noRegistrar* status can be restored through the EPP Update Domain command with = ext restore as well.

3.11.3.1 Validation steps for the restoration of a domain name

The system verifies that the request for restoration of a domain name is compatible with:

- the constraints present in the XML Schema *epp-1.0.xsd*, *eppcom-1.0.xsd*, *domain-1.0.xsd*, *RGP-1.0.xsd* (see Appendix A - Protocol EPP);
- the following additional restrictions:
 - the domain name for which the transaction is requested must be present in the Registry Database;
 - the domain name for which the transaction is requested must be in one of the following statuses: pendingDelete/*redemptionPeriod*, pendingDelete/clientTransferProhibited/*redemptionPeriod*, ok/*noRegistrar* or inactive/*noRegistrar*.

3.11.3.2 Example of Update Domain request with ext = restore

The process of restoring a domain name is implemented as an extension of a normal request for Update Domain, using Tgp-1.0.xsd and the interaction modes between client and server as described in the RFC "Domain Registry Grace Period Mapping for the Extensible Provisioning Protocol (EPP)". The EPP server of the Registry implements the following grace periods:

- auto renew period: this is the grace period following the automatic renewal of a domain on the expiry of its validity;
- redemption period: this is the grace period following the receipt of a client request for a Delete Domain. When the name is in this status it can be restored. The effect of the restore is to immediately recover the domain name that is reported in the status prior to receipt of the request for Delete Domain. Unlike what is specified in the RFC mentioned above, the EPP server of the Registry does not need a report from the client to justify the request to restore a domain name previously subject to a Delete Domain command.

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
    epp-1.0.xsd">
  <command>
    <update>
      <domain:update
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
          domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:chg/>
      </domain:update>
    </update>
    <extension>
```

```
<rgp:update xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
  xsi:schemaLocation="urn:ietf:params:xml:ns:rgp-1.0 rgp-
1.0.xsd">
  <rgp:restore op="request"/>
</rgp:update>
</extension>
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

3.11.3.3 Examples of a response to a request for Update Domain with ext=restore

Example 1

Response to successful Update Domain with ext=restore:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <extension>
      <extdom:chgStatusMsgData xmlns:extdom="http://www.nic.it/ITNIC-
EPP/extdom-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-
EPP/extdom-1.0 extdom-1.0.xsd">
        <extdom:name>example.it</extdom:name>
        <extdom:targetStatus>
          <domain:status xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
s="ok" lang="en" />
        </extdom:targetStatus>
      </extdom:chgStatusMsgData>
    </extension>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>DE4163505530</svTRID>
    </trID>
  </response>
</epp>
```

Example 2

Response to failed Update Domain con ext=restore. The error is due to the fact that the domain name is an a status that prohibits a restore.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="2304">
      <msg lang="en">Object status prohibits operation</msg>
      <extValue>
        <value>
          <reasonCode xmlns="">9055</reasonCode>
        </value>
        <reason lang="en">Domain has status ok</reason>
      </extValue>
    </result>
  <trID>
```

```
<clTRID>ABC-12345</clTRID>
<svTRID>DE5471730664</svTRID>
</trID>
</response>
</epp>
```

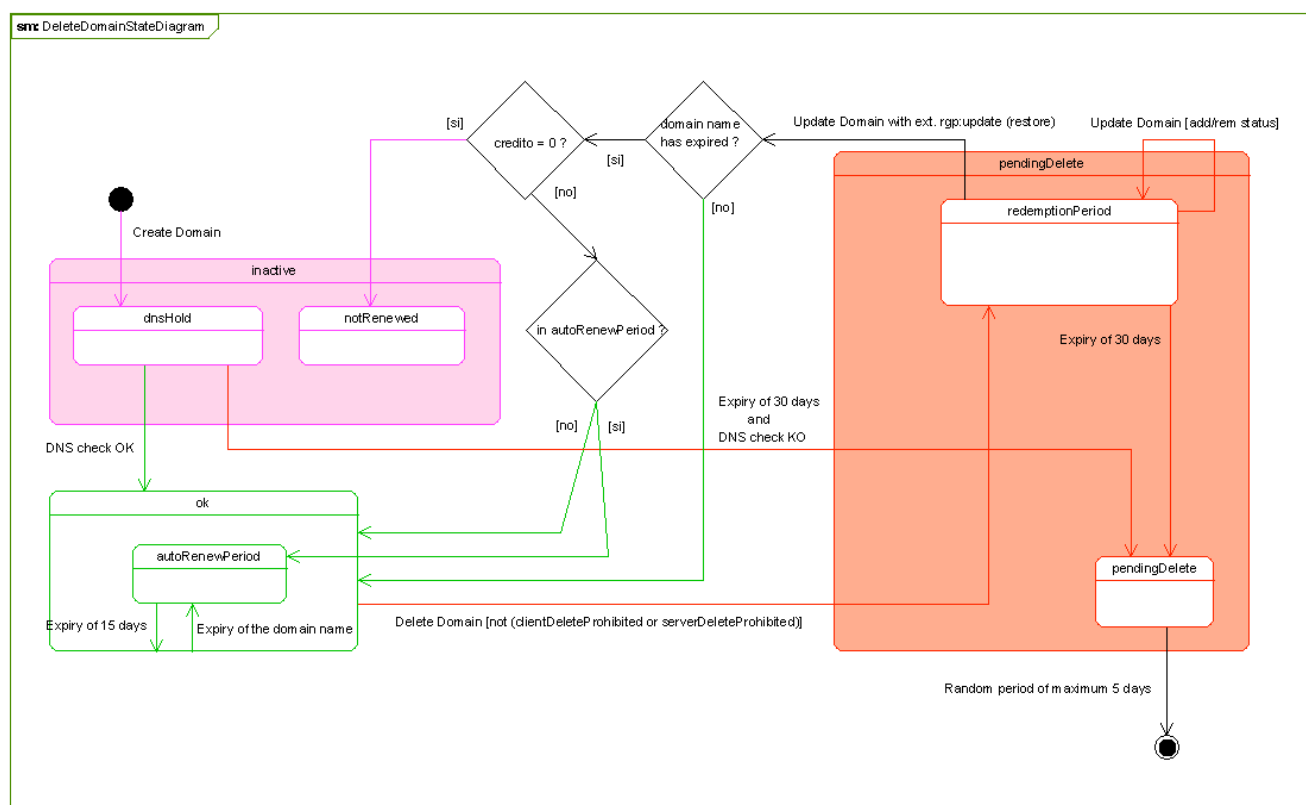
3.11.3.4 Effects of Update Domain with ext = restore

If the command Update Domain with ext = restore requested by the Registrar is successful and passes the validation steps described in Section 3.11.3.1, the domain name is immediately reinstated in the list of active domain names.

The process of restoring a domain name is charged to the Registrar and is immediately available for invoicing except for the domain names restoration from ok/noRegistrar or inactive/noRegistrar status.

Following the receipt of Update Domain with ext = restore, the domain name is listed in the status preceding the request for cancellation.

The following diagram shows the various steps in the deletion and possible restoration of a domain name:



3.12 Verification of domain names

The Registry can check through documented evidence what the Registrant has declared.

3.12.1 Random checks

The Registry periodically makes checks on domain names that have been registered and managed synchronously by extracting them at random from the Database.

The system puts the extracted domain names into serverDeleteProhibited AND serverUpdateProhibited AND serverTransferProhibited (equivalent to the registry-lock in the asynchronous system).

The Registry then begins the verification procedure, interacting via email with the Registrar that manages them when they are extracted. The Registry asks the Registrar to send written documentation with reference to Sect. 3.12.1.1 relating to the registration of the domain name extracted. The Registrar must send the documentation within ten working days of the request.

The documentation can be sent in advance to the Registry via:

- email as a pdf , to written-doc@nic.it
- fax to +39 050 570230

It must in any case also be sent by conventional post or courier to:

Registro .it

Istituto di Informatica e Telematica del CNR

Via Giuseppe Moruzzi, 1

I-56124 Pisa (Italy)

Once the documentation has been received, within five working days the Registry checks that it corresponds to the form contained in Sect. 3.12.1.1 and that the data correspond to those in the Database.

If the check finds no discrepancies, the domain name is restored to the previous status.

If the check finds discrepancies, Registry begins a cancellation procedure of the the domain name from the Database (see 3.13.2.2).

A domain name that has been subject to such a verification will not be re-extracted from the Database in future random checks, unless the domain name in question has a change in Registrant, in which case it may be re-extracted.

3.12.1.1 Written documentation to send to the Registry

If random checks so require, the Registrar must send the Registry the data listed in the form below. If the transaction for the acquisition of the registration form, by the Registrar, took place electronically, the IP address and the log file have to be attached to the written documentation that has to be sent to the Registry.

3.12.1.1.1 Written documentation form

Sect. 1 - Registrant Data

ORG: eg XY Ltd

Address: eg Via Caspio, 9 00100 Roma - RM)

Country: eg IT

Phone: eg +39.06776511

Fax: eg +39.06776512

RegCode: eg 09558132581

Email: eg xyzo@pippo.it

Requestor: Company name, legally represented by Joe Bloggs

Sect. 2 - Registration form for the domain name pippo.it

XY (company name)/The applicant (if a natural person), Registrant of the domain name pippo.it, hereinafter Registrant, with registered office in Via Caspio, 9 00100 Roma (RM) - IT/natural person (street/square, town, post code, province, VAT, if applicable) fax number (give fax number), e-mail xyzo@pippo.it (give Registrant e-mail), legally represented by (Joe Bloggs, tax payer code of the legal representative, only for organizations) requests the registration of the domain name pippo.it - through the Registrar (XY-Registrar) and takes all responsibilities arising from the use and management of the domain name, and undertakes to inform the Registrar or, in subordinate to the Registry, of any changes of in his/her/their data as outlined in the Rules for assignment of the ccTLD.it and in the

Guidelines (<http://www.nic.it>)

Sect. 3 - Declarations and assumptions of liability

The Registrant of the domain name in question, declares under their own responsibility that they are:

- a) *in possession of the citizenship or resident in a country belonging to the European Union (in the case of registration for natural persons);*
- b) *established in a country belonging to the European Union (in the case of registration for other organizations);*
- c) *aware and accept that the registration and management of a domain name is subject to the "Rules of assignment and management of domain names in ccTLD. it" and "Regulations for the resolution of disputes in the ccTLD.it" and their subsequent amendments;*
- d) *entitled to the use and/or legal availability of the domain name applied for, and that they do not prejudice, with the request for registration, the rights of others;*
- e) *aware that for the inclusion of personal data in the Database of assigned domain names, and their possible dissemination and accessibility via the Internet, consent must be given explicitly by checking the appropriate boxes in the disclosure below. See "The policy of the .it Registry in the Whois Database" on the website of the Registry (<http://www.nic.it>);*
- f) *aware and agree that in the case of erroneous or false declarations in this request, the Registry shall immediately revoke the domain name, or proceed with other legal actions. In such case the revocation shall not in any way give rise to claims against the Registry;*
- g) *release the Registry from any liability resulting from the assignment and use of the domain name by the natural person that has made the request;*
- h) *accept Italian jurisdiction and laws of the Italian State.*

☐ YES accept

☐ NO do not accept

Sect. 4 - Terms and conditions, and acquisition of consent for the processing of data for the registration of the domain name and for visibility on the Internet

Disclosure regarding the protection of personal data (D. Lgs. 30 June 2003, No. 196, Art. 13)

To carry out activities to which the present disclosure relates:

- a) *the holder of the treatment of data is the Italian National Research Council, through the Institute of Informatics and Telematics of the CNR, .it Registry (<http://www.nic.it>);*
- b) *the Registrar is responsible for processing the data and manages contractual relations with the Registrant, the identification data are contained in the contract between the said Registrar and the Registrant, and therefore known by the party concerned. A list of those responsible for processing data is available on the website of the Registry (<http://www.nic.it>). The Registrar is the holder of the treatment of data with regard to contractual relations directly with the Registrant, not included in this disclosure;*
- c) *the mandatory information is that information that is essential in order for the service requested to be provided.*

The Registrant's personal data are collected by the Registrar who manages contractual relations with the Registrant using this form, in order to register and manage the domain name in the Data Base of Assigned Names at the Institute of Information and Telematics of the CNR, .it Registry.

In addition to the personal data collected by filling in the form, where the transaction is done electronically, the IP address from which the connection originates on the Internet relating to filling in the online form by the Registrant will also be detected and stored along with the log of the relative transaction. This is done in order to identify the Registrant in connection with the personal information and statements given by the Registrant. Personal data, the above-mentioned IP address and the log of the transaction are mandatory information.

The mandatory information collected will be treated for purposes of administrative and accounting management, protection of rights and other objectives and activities related to registration, management, dispute, transfer and cancellation of the domain name, and for compliance with requirements of the law, regulations or EU legislation and disclosed to third parties for ancillary or necessary activities to ensure the accomplishment of those objectives. The data will not be used nor disclosed to third parties for any marketing purposes. With the exception of the IP address, the data will also be communicated to third parties who purport to want to act to protect individual rights in relation to the Registrant in connection with the registration or use of the domain name. In accordance with the standards of the Internet Engineering Task Force - IETF (<http://www.ietf.org>) to ensure the accessibility of the domain name on the Internet, in order to maintain the balance for the system, and in consideration of the policy of the Registry of the ccTLD .it in order to avoid situations of anonymity and to allow the tracing of assignees, in the case of registration the following information will in any case will be visible on the Internet, through a Whois query: domain name, name and surname of the Registrant or the corporate name, status of the domain, Registrar and technical data (contactID, date of registration, expiry date, date of last update and nameserver).

For the purposes of this disclosure, the consent to treatment for the purposes of registration refers to all these activities taken as a whole.

Giving consent for the purposes of registration is optional, but if no consent is given, it will not be possible to finalize the registration, assignment and management of the domain name.

Upon a separate agreement, via a Whois query the following will also be visible via the Internet: domain name, address of residence or head office of the Registrant along with their telephone number, fax number and e-mail address.

For the purposes of this disclosure, the consent for access and dissemination via the Internet is only for the latter activities and types of data.

Giving consent for accessibility and dissemination via the Internet is optional. Not giving consent does not preclude the registration but only public visibility via Whois queries of these data, within the limits defined above.

More information on how to query the Registry Database is available on the website of the Registry: www.nic.it.

The interested party can exercise their rights under Art. 7 of the Code for the protection of personal data which include the right of access, rectification and deletion of data.

These rights may be exercised by request to the Registrar who manages the contractual relationship with the Registrant and subordinate to the Institute of Informatics and Telematics of CNR, Via Giuseppe Moruzzi, 1, I-56124 Pisa, Italy.

Sect. 5 - Consent to the processing of personal data for registration

The interested party, after reading the above disclosure, gives consent to the processing of information required for registration, as defined in the above disclosure.

Giving consent is optional, but if no consent is given, it will not be possible to finalize the registration, assignment and management of the domain name.

☐ YES accept

☐ NO do not accept

Sect. 6 - Consent to the processing of personal data for diffusion and accessibility via the Internet

The interested party, after reading the above disclosure, gives consent to the dissemination and accessibility via the Internet, as defined in the disclosure above.

Giving consent is optional, but absence of consent does not allow the dissemination and accessibility of Internet data.

☐ YES accept

☐ NO do not accept

Sect. 7 - Explicit Acceptance of the following points

For explicit acceptance, the interested party declares that they:

c) are aware and agree that the registration and management of a domain name is subject to the "Rules of assignment and management of domain names in ccTLD.it" and "Regulations for the resolution of disputes in the ccTLD.it" and their subsequent amendments;

f) are aware and agree that in the case of erroneous or false declarations in this request, the Registry shall immediately revoke the domain name, or proceed with other legal actions. In such case the revocation shall not in any way give rise to claims against the Registry;

g) release the Registry from any liability resulting from the assignment and use of the domain name by the natural person that has made the request;

h) accept the Italian jurisdiction and laws of the Italian State.

☐ YES accept

☐ NO do not accept

Sect. 8 - Summary data of the Registrant

Acceptance Clauses and Assumption of Responsibility: YES

Terms and Conditions and Data Processing: YES

Terms and Conditions and Data diffusion via the Internet: NO

Acceptance of Restrictive Clauses: YES

Registrant email: xyzo@pippo.it

Declaration to send to the Registry along with the written documentation

The undersigned REGISTRAR declares that:

- the registration procedure took place in compliance with the Contract and the Rules;
- the contents and the information reported above are those in our possession and they have not undergone any changes.

Place, date:

Signature:

The legal representative of the Registrar or proxy

3.12.2 Verification of subjective requirements

Should the Registry deem fit or at the request of a third party to protect their rights, it shall be able to check that the Registrant of a domain name truly satisfies the subjective requirements that led to a domain name being assigned. The Registry sends the request to the Registrant by registered post. The request is always sent via email to the Registrar that manages the domain name. In such circumstances, the Registrant must send the Registry, within ten working days of receiving the request, a copy of an ID document (in the case of a natural person) or a similar document that proves the existence of the assignee.

3.13 Revocation of a registered domain name

The Registry may revoke a domain name, even on the advice of a competent Authority. A revoked domain name cannot be retrieved.

3.13.1 Revocation of a registered domain name at the request of the competent authority

The revocation of a domain name may be a result of a judicial or other decision issued by a competent authority, which is in any case notified to the Register in respect of the law. The domain names revoked at the request of the competent Authority go into *inactive/revoked* and remain there for 30 (thirty) days. After this period, the Registry puts these domain names into *pendingDelete/pendingDelete* for their permanent removal from the Database through an automated process, within a random period of time up to 5 (five) days.

In the event that a domain name revoked is the subject of an opposition (and thus is also in **challenged** status), the domain name will go immediately from *inactive/revoked* to *inactive/toBeReassigned*.

3.13.2 Revocation by the Registry

3.13.2.1 In the absence of subjective requirements

The Registry may revoke a domain name for lack of subjective requirements if the Registrant is not the holder (see Sect. 3.12.2).

The domain names automatically revoked for lack of subjective requirements go into *inactive/revoked* and remain there for 30 (thirty) days. After this period, the Registry puts these domain names into *pendingDelete/pendingDelete* for their permanent removal from the Registry Database, through an automated process, within a random period of time up to 5 (five) days.

In the event that a domain name revoked is the subject of an opposition (and thus is also in **challenged** status), the domain name will go immediately from *inactive/revoked* to *inactive/toBeReassigned*.

3.13.2.2 For failure to submit required documents to the Registrar

The Registry revokes a domain name in case of non receipt of the required documents, as specified in Section 3.12.1.

The domain names automatically revoked for failure of the Registrar to submit the required documents go into *inactive/revoked* and remain there for 30 (thirty) days. After this period, the Registry puts these domain names into *pendingDelete/pendingDelete* for their permanent removal from the Registry Database, through an automated process, within a random period of time up to 5 (five) days.

In the event that a domain name revoked is the subject of an opposition (and thus is also in **challenged** status), the domain name will go immediately from *inactive/revoked* to *inactive/toBeReassigned*.

3.14 Change to toBeReassigned status

At the end of a challenge and/or reassignment procedure that entails the assignment of a domain name to the subject that activated the challenge, the Registry passes the domain name into *inactive/toBeReassigned*. The domain name can be assigned, within thirty days following the domain name's move into *inactive/toBeReassigned*, only by the subject that made the challenge. Domain names in this status are not active as they are no longer delegated in the zone of the ccTLD.it.

The procedure to exit *inactive/toBeReassigned* is not synchronous. The new Registrant must send a written request to the Registry, following the forms set out in Sections 3.14.1 and 3.14.2, containing their personal data, the chosen Registrar and their contactID (which the Registrar should have already registered).

Each form is divided into four parts:

- the first part contains the following information:
 - the domain name of the request for change;
 - if the new Registrant is a natural person, it includes:
 - their personal details and tax code;
 - if the new Registrant is an entity other than a natural person, it includes:
 - the name and tax of natural person, acting as representative of the new Registrant that endorses the request, the head office and related tax information;
 - the identifier of the new Registrant (contactID);
 - the name and possible IPv4 address of two authoritative nameservers for the domain name;
 - the tag of the Registrar (REG tag);
- the second part is related to indemnity in case of a false statement;
- the third part contains:
 - the place and date in which the document was produced;
 - the signature of the natural person or of the legal representative of the Registrants;
- the fourth part is related to a disclosure on the protection and processing of personal data.

No variations to the forms mentioned above can be made. The Registrant must complete all the required fields for their particular "category", which are summarized in the table below.

Compilation of reassignment request of a domain name

Requested data	Domain names to be assigned to natural persons (without VAT number)	Domain names to be assigned to subjects other than natural persons	Notes
Requester first name and surname and request subscriber	<i>Mandatory</i>	<i>Mandatory</i>	(1)
Place of birth	<i>Mandatory</i>	<i>Mandatory</i>	(2)
Date of birth	<i>Mandatory</i>	<i>Mandatory</i>	(3)
Residence	<i>Mandatory</i>	<i>"Not applicable"</i>	(4)
Tax code/ identity card	<i>Mandatory</i>	<i>Mandatory</i>	(5)
Business name	<i>"Not applicable"</i>	<i>Mandatory</i>	(6)
First name and surname of legal representative	<i>"Not applicable"</i>	<i>Mandatory</i>	
Legal residence	<i>"Not applicable"</i>	<i>Mandatory</i>	(7)
VAT number	<i>"Not applicable"</i>	<i>Mandatory</i>	(8)
New Registrant identifier (contactID)	<i>Mandatory</i>	<i>Mandatory</i>	(9)
Name and IPv4 address of two authoritative nameservers for the domain name	<i>Mandatory</i>	<i>Mandatory</i>	(10)
Registrar tag	<i>Mandatory</i>	<i>Mandatory</i>	(11)
Requester's signature	<i>Mandatory</i>	<i>Mandatory</i>	(12)

Notes

- (1) Natural persons who have more than one first name and surname must give them all in full. No tags of first names or surnames are allowed.
- (2) The place of birth must also be given in full, including the province and/or foreign state.
- (3) The date of birth of the person (1) must be given in the format "dd-mm-yyyy."
- (4) The residence address of the person listed in (1) must be given. Natural persons residing outside Italy must give the country of residence.
- (5) Italian citizens must give their tax code. People in other EU statuses where there is not an equivalent of the tax code, must give the number of their identity document.
- (6) The complete company name of the Registrant of the domain name must be given (e.g. Pippo di Mario Rossi, Pippo sas di Mario Bianchi & c).
- (7) The address of the registered office must be given (street, city, province, post code, foreign state, if any) of the Registrant of the domain name listed in (6).
- (8) The VAT number or tax identification number of the Registrant of the domain name must be given. For associations that have no tax code number the date of incorporation must be indicated. For organizations that reside in other EU statuses an equivalent must be provided (eg: tax code).
- (9) The identifier of the new Registrant (contactID) must be given.
- (10) The IPv4 address must be indicated only in case of nameservers subordinated to the domain name
- (11) The tag of the new Registrar must be given.
- (12) The request must be signed by the person listed in (1).

For Registrants (natural persons and/or firms) belonging to a member of the EU other than Italy, the same principles apply, except as provided by law in the individual statuses.

3.14.1 Form for the registration of a domain name following a challenge and/or reassignment procedure: a natural person

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: reassignment request of the domain name _____**.IT**

The undersigned (**first name, surname**) born **in (place of birth and [province or foreign state])** on **(date of birth)** tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), contact code (**contactID**), nameserver (**indicate name and possible IPv4 address of two authoritative nameservers for the domain name**), requests the Registry of the ccTLD.it the reassignment of the domain name in question via the Registrar _____ -REG (**new Registrar tag**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Request for reassignment by a natural person - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the reassignment of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the reassignment request.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.14.2 Form for the registration of a domain name following a challenge and/or reassignment: subject other than a natural person

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: reassignment request of the domain name _____**.IT**

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), delegated to represent in the present agreement the organization named (**corporate name**) with legal representative (**first name, surname**) with VAT number (**VAT number or tax code**) with registered office in (**address [street/square, locality, postal code, province or foreign state]**), contact code (**contactID**), nameserver (**indicate name and possible IPv4 address of two authoritative nameservers for the domain name**), requests the Registry of the ccTLD.it that the domain name in question be assigned to the above-mentioned organization via the Registrar _____ -REG (**new Registrar tag**).

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Request for reassignment by a subject other than a natural person - Version 2009-01

The undersigned
Name and Surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the reassignment of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the reassignment request.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.14.3 Sending the registration request to the Registry

The request for registration can be sent to the Registry, by the new Registrant or by the Registrar, by post, courier or fax. We recommend sending it through the Registrar as this is the most efficient way in terms of management. Requests for registration sent by fax must only be sent to +39 050 542420. The requests for registration can be on several pages (A4) and of a size and format different from that given in the forms on the Registry website but no changes must be made to the wording and contents.

All requests for registration must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

3.14.4 Tests for congruence of the data in the request

The Registry, upon a legible paper request for registration checks that:

- the domain name given in the request is in inactive/*toBeReassigned*;
- the new Registrant is the same one that activated the challenge;
- the identifier of the new Registrant (contactID) given in the request:
 - is registered in the Database;
 - is registered as a Registrant contact;
 - has been registered by the Registrar set out in the request;
 - is a new contactID;
 - is not referenced as a Registrant of any domain name;
- there is a correspondence between the name of the Registrant listed in the request and that present in the registration of the Registrant in the Database, identified by the contactID also reported in the paper request;
- there is a correspondence between the VAT number or tax identification number of the new Registrant listed in the request and the VAT number or tax code in the registration of the Registrant in the Database, identified by the contactID that is also reported in the paper request;
- the Registrar reported in the request has an active contract with the Registry and transactions have not been suspended;
- that all the mandatory fields have been filled in.

If the checks are not successful and the request is legible, the Registry sends the Registrar an email containing:

- the domain name;
- the inconsistencies;
- the date and time of receipt by the Registry of the request for change.

If the operation is not successful, the data in the Registry Database for the domain name in question remain the same. If after thirty days the Registrar has not sent a correct request, the Registry cancels the domain name and makes it freely available for assignment.

3.14.5 Conclusion of the operation

If the checks reveal no discrepancies, the Registry emails the Registrar with the following details:

- the domain name registered;
- the date and time of receipt of the request;
- the number of pages of the document received.

The Registry thus:

- changes the registration of the domain name by entering the reference of the new Registrar set out in the paper;
- generates the "AuthInfo" code for the domain name;
- emails the AuthInfo to the Registrar who, in turn, must notify the new Registrant;
- changes the Registrant of the domain name by inserting the reference of the new Registrant (contactID) listed in the paper request;
- associates the technical and administrative contacts of the domain name with the contactID of the Registrant;
- changes the expiry date of the domain name;
- puts the domain name into **ok**;
- invoices the transaction to the new Registrar.

The Registrar can change the technical contact of the domain name as well as the administrative contact in cases where the Registrant is an entity other than natural person (see Section 3.2.2).

3.15 Renewal of a registered domain name

The validity period of one domain name is one year and is determined by the expiry date indicated in the *expire* field of the registration.

As the expiry date indicated in the *expire* field of the registration is reached, the domain name is put in *autoRenewPeriod*, that is the status that identifies the 15 days following the expiry of the domain name.

During the 15 days provided for the *autoRenewPeriod*, the domain name can be subject to all the possible operations of maintenance foreseen by the synchronous registration system. As the expiry date is reached, the renewal fee is immediately charged to the current Registrar, if the domain name is in a status that permits it.

The invoicing of the operation, on the contrary, occurs after the 15 days period provided for the *autoRenewPeriod*. If during such period of time, the domain name is transferred to another Registrar or cancelled, the renewal fee is credited again to the Registrar and the operation is not invoiced. Otherwise, in the absence of one of the above operations of Registrar transfer or cancellation by the Registrar, on behalf of the Registrant, the domain name is renewed by the Registry for the following 12 months.

3.16 Change to the statuses

3.16.1 Change to noRegistrar status

With the term *noRegistrar* the Registry identifies all those domain names managed by a Registrar who no longer has an active contract with the Registry. The Registry must inform the Registrant of each domain name managed by the Registrar that the contract has

terminated.

There are two different statuses noRegistrar:

- *ok/noRegistrar*: all the domain names of a Registrar who no longer has an active contract with the Registry and which have not yet expired. The domain names remain in *ok/noRegistrar* until they expire. The domain names that are in this status are active and in the ccTLD .it. This status identifies the domain names which, before the migration from the asynchronous registration system, were in NO-PROVIDER status as well;
- *inactive/noRegistrar*: domain names that have expired and for which the Registrar no longer has an active contract with the Registry, plus all those domain names for which a change of the Registrar was not successful beyond the expiry of the "grace period". This status identifies the domain names which, before the migration from the asynchronous registration system, were in REDEMPTION-NO-PROVIDER status as well. The domain names remain in *inactive/noRegistrar* for a maximum period of 60 (sixty) days. After this period of time the domain names go in *pendingDelete/pendingDelete*. The domain names that are in *inactive/noRegistrar* are not active and no longer delegated in the area of the ccTLD .it.

In both cases, the only transactions allowed on the domain name are: the change of the Registrar (see Section 3.4), the change of the Registrar with the simultaneous change of the Registrant (see Section 3.5), the recovery (see Section 3.11.3) or the cancellation (see Section 3.11.2), of the domain names in *inactive/noRegistrar* only, by the current Registrar should his contract become active again or in case of a domain name migrated from the asynchronous registration system.

As soon as the domain name is put in *ok/noRegistrar* status, the Registry send the Registrant an e-mail with the following format:

Subject: 10302 - Domain name <name of the domain> changing to *ok/noRegistrar* status

We inform you that the domain name <name of the domain> assigned in use to the Registrant <Organization field of the Registrant contact> and maintained by <Registrar>, was put in *ok/noRegistrar* status on <operation date>, because the Registrar <Registrar> no longer has a valid contract with the ccTLD "it" Registry.

The Registrant of a domain name in *ok/noRegistrar* status can request the reactivation of the domain name by means of an operation of modification of the Registrar according to the specifications described in the synchronous Technical Guidelines.

In absence of the above described operation of modification of the Registrar, at the expiry date of the domain name ("expire:" field of the "domain" object in the DBNA), the Registry will put the domain name in *inactive/noRegistrar* status and it will remain in this status for a maximum of 60 days.

In *inactive/noRegistrar* status, the Registry will remove the delegations in the ccTLD .it zone from the authoritative nameservers of the domain name, therefore the domain name will no longer be accessible via the Internet.

The Registrant of a domain name that is in *inactive/noRegistrar* status can request its reactivation by means of an operation of modification of the Registrar according to the specifications described in the synchronous Technical Guidelines.

If by the expiry date of the *inactive/noRegistrar* status, the operations described above have not been carried out for the domain name in object, the domain name will be put in *pendingDelete/pendingDelete* status for its definitive cancellation and removal from the DataBase of Assigned Domain Names (DBNA).

For further information and details the Registrant may visit the website of the Registry at the URL <http://www.nic.it>.

Best regards,

Registro .it
Istituto di Informatica e Telematica
CNR - AREA DELLA RICERCA
Via Giuseppe Moruzzi, 1 - I-56124 PISA
Tel: +39 050 3139811
Fax: +39 050 3152713 (External Relations)
Email: hostmaster@nic.it

As soon as the domain name is put in *ok/noRegistrar* status, the Registry send the Registrant an e-mail with the following format:

Subject: 10303 - Domain name <name of the domain> changing to *inactive/noRegistrar* status

We inform you that the domain name <name of the domain> assigned in use to the Registrant <Organization field of the Registrant contact> and maintained by <Registrar> has been put in *inactive/noRegistrar* status on <operation date>.

The Registrant has 60 (sixty) days, from the <operation date>, to request, by means of his/her Registrar (<Registrar>), an operation of recovery from the *inactive/noRegistrar* status.

The Registrant may also request the reactivation of the domain name through a new Registrar, by means of an operation of modification of the Registrar according to the specifications described in the synchronous Technical Guidelines.

During the 60 day period, the Registry does not maintain active the delegations in the ccTLD .it zone for the authoritative nameservers of the domain name, therefore the domain name will no longer be accessible via the Internet.

If by the expiry date of the *inactive/noRegistrar* status, the operations above described have not been carried out for the domain name in object, the domain name will be put in *pendingDelete/pendingDelete* status for its definitive cancellation and removal from the DataBase of Assigned Domain Names (DBNA).

Should you need further information please contact your Registrar <Registrar>, or access the website of the Registry at the URL <http://www.nic.it>.

Best regards,

Registro .it
Istituto di Informatica e Telematica
CNR - AREA DELLA RICERCA
Via Giuseppe Moruzzi, 1 - I-56124 PISA
Tel: +39 050 3139811
Fax: +39 050 3152713 (External Relations)
Email: hostmaster@nic.it

3.16.2 Change to *notRenewed* status

The term *notRenewed* identifies all those domain names that were not automatically renewed because of the Registrar's low credit. If at the expiry of the period of validity of the domain name the Registrar has not enough credit for the renewal, the domain name goes into *inactive/notRenewed*.

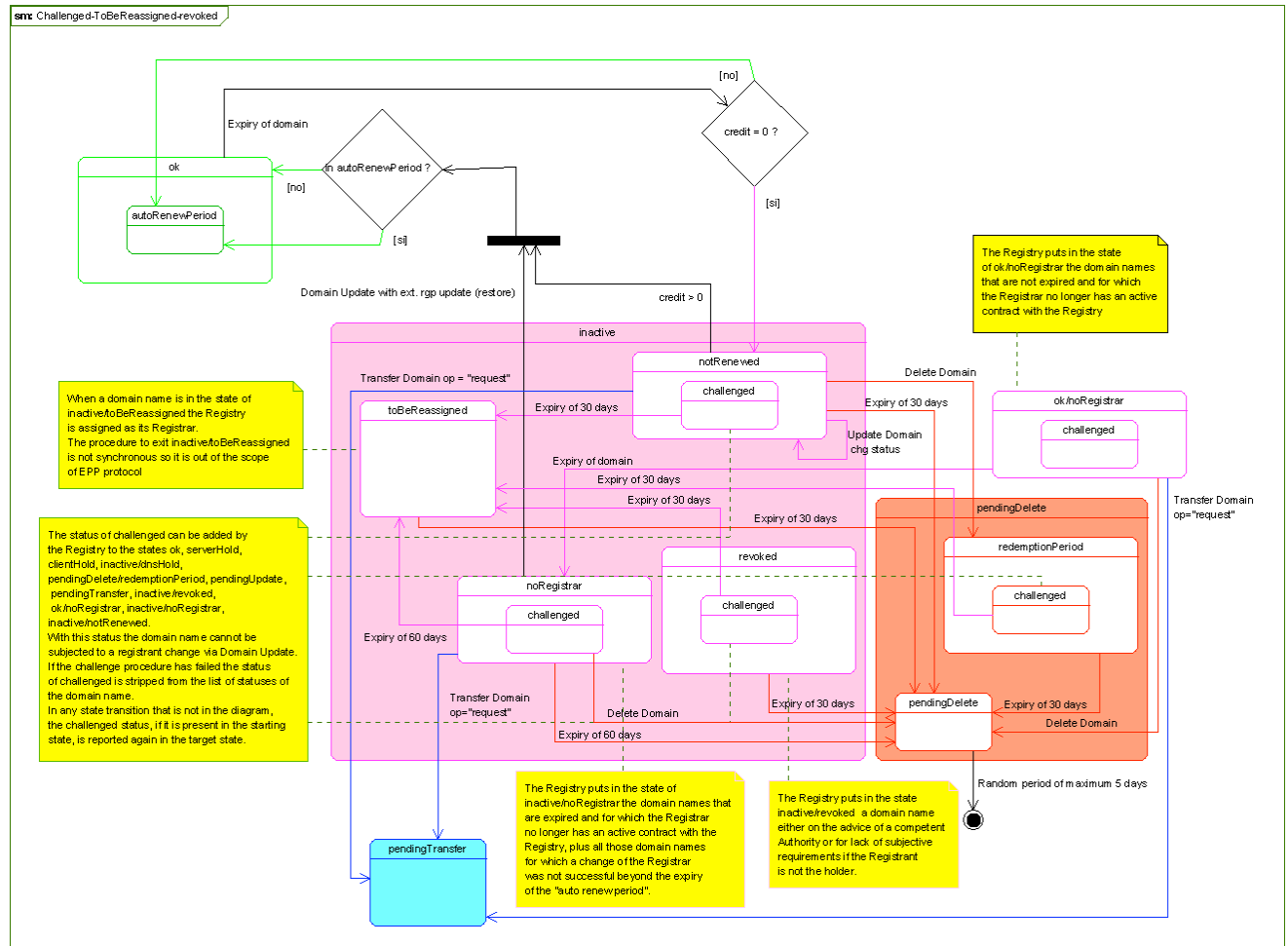
A domain name can come out of *inactive/notRenewed*, as a result of:

- sufficient credit being made available for the renewal. The domain name, in this case, goes into:
 - ok, if `autoRenewPeriod` is exceeded;
 - ok/`autoRenewPeriod`, if additional credit was made available before the domain name exceeded the `autoRenewPeriod`.

In both cases renewal will be charged, but only billed in the first case;

- expiry of the maximum period, 30 (thirty) days, in `inactive/notRenewed`. The domain name in this case goes into `pendingDelete/pendingDelete`;
- request to change the Registrar (with or without simultaneous change of the Registrant). The domain name in this case goes into `pendingTransfer`;
- request for cancellation. The domain name in this case goes into `pendingDelete/redemptionPeriod`.

Note: The only transactions allowed in this status are: change of the Registrar (with or without simultaneous change of Registrant), change to the constraints placed by the Registrar on the domain name, and deletion.



3.17 Change in Registrant data by the Registry

A Registrant can request the Registry to change or integrate some of the Registrant's data that is in the Registry Database. The change cannot, in any case, alter the assignee of the domain name.

The paper request for change of Registrant data must be in accordance with the two forms specified in 3.17.1 and 3.17.2.

Each form is divided into four parts:

- the first part contains the following information:
 - the domain name of the request for change of Registrant data;
 - if the Registrant is a natural person, it includes:
 - their personal details and tax code;
 - if the Registrant is an entity other than a natural person, it includes:
 - the name and tax code of the person, acting as representative of the Registrant that endorses the request, the head office and related tax information of the Registrant of the domain name;
 - the tag of the current Registrar (REG tag) present in the registration;
 - the errors contained in the Registry Database and the reasons for such errors;
- the second part is related to indemnity in case of a false statement;
- the third part contains:
 - the place and date in which the request for the change of Registrant data was produced;

- the signature of the applicant;
- the fourth part is related to a disclosure on the protection and processing of personal data.

No variations to the forms mentioned above can be made. The Registrant must complete all the required fields for their particular "category", which are summarized in the table below.

Compilation of the request for change in Registrant data

Data requested	Domain names assigned to natural persons (without VAT number)	Domain names assigned to entities other than natural persons	Notes
Requester first name and surname and request subscriber	<i>Mandatory</i>	<i>Mandatory</i>	(1)
Place of birth	<i>Mandatory</i>	<i>Mandatory</i>	(2)
Date of birth	<i>Mandatory</i>	<i>Mandatory</i>	(3)
Residence	<i>Mandatory</i>	<i>Mandatory</i>	(4)
Tax code / identity card	<i>Mandatory</i>	<i>Mandatory</i>	(5)
Business name	<i>"not applicable"</i>	<i>Mandatory</i>	(6)
First name and surname of legal representative	<i>"not applicable"</i>	<i>Mandatory</i>	
Legal residence	<i>"not applicable"</i>	<i>Mandatory</i>	(7)
VAT number	<i>"not applicable"</i>	<i>Mandatory</i>	(8)
Registrar tag	<i>Mandatory</i>	<i>Mandatory</i>	(9)
Requester's signature	<i>Mandatory</i>	<i>Mandatory</i>	(10)

Notes

- (1) Natural persons who have more than one first name and surname must give them all in full. No tags of first names or surnames are allowed.
- (2) The place of birth must also be given in full, including the province and/or foreign state.
- (3) The date of birth of the person (1) must be given in the format "dd-mm-yyyy."
- (4) The residence address of the person listed in (1) must be given. Natural persons residing outside Italy must give the country of residence.
- (5) Italian citizens must give their tax code. People in other EU statuses where there is not an equivalent of the tax code, must give the number of their identity document.
- (6) The complete company name of the Registrant of the domain name must be given (e.g. Pippo di Mario Rossi, Pippo sas di Mario Bianchi & c).
- (7) The address of the registered office must be given (street, city, province, post code, foreign state, if any) of the Registrant of the domain name listed in (6).
The VAT number or tax identification number of the Registrant of the domain name must be given. For associations that have no tax code number the date of incorporation must be indicated. For organizations that reside in other EU statuses an equivalent must be provided (eg: tax code).
- (8) The tag of the Registrar must be given.
- (9) The request must be signed by the person listed in (1).

For Registrants (natural persons and/or firms) belonging to a member of the EU other than Italy, the same principles apply, except as provided by law in the individual statuses.

3.17.1 Form for request for change in Registrant data by natural persons

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: change in Registrant data of the domain name _____**.IT**

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) resident in (**address [street/square, locality, postal code, province or foreign state]**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), Registrant of the domain name in question with Registrar ____-REG (**Registrar tag**) requests the change of Registrant data of the domain name specified in the request. The undersigned declares that due to an error (**specify reasons**) made when registering the domain name in question the following data were inserted incorrectly (specify which apply):

- (**first name, surname**)
- (**residence address [street/square, locality, postal code, province or foreign state]**)
- (**tax code or number of identity card for foreign nationals not resident in Italy**),
- (**type of Registrant – i.e. EntityType**)
- (**Nation**)
- (**Nationality**)

The undersigned encloses with the present documentation, proof of the authenticity of the data reported above.

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Form for request for change in Registrant data by natural persons – Version 2010-01

The undersigned
First name and surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change in Registrant data of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the change in Registrant data request.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.17.2 Form for request for change in Registrant data by entities other than natural persons

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Subject: change in Registrant data of the domain name _____**.IT**

The undersigned (**first name, surname**) born in (**place of birth and [province or foreign state]**) on (**date of birth**) resident in (**address [street/square, locality, postal code, province or foreign state]**) tax code number or identity document number (**tax code or number of identity card for foreign nationals not resident in Italy**), Registrant of the domain name in question with Registrar ____-REG (**Registrar tag**) requests the change of Registrant data of the domain name specified in the request. The undersigned declares that due to an error (**specify reasons**) made when registering the domain name in question the following data were inserted incorrectly (specify which apply):

- (**first name, surname**)
- (**residence address [street/square, locality, postal code, province or foreign state]**)
- (**tax code or number of identity card for foreign nationals not resident in Italy**),
- (**type of Registrant – i.e. EntityType**)
- (**Nation**)
- (**Nationality**)

The undersigned encloses with the present documentation, proof of the authenticity of the data reported above.

The undersigned is aware that the Registry will act by civil action and, where appropriate, criminal, in the case of a false statement. The undersigned also assumes the responsibility to hold harmless and indemnify the Registry in any case where the said misrepresentation causes damage to third parties.

Place, date

Form for request for change in Registrant data by entities other than natural persons – Version 2010-01

The undersigned
First name and surname

(Signature)

"In compliance with art. 13 of Leg. Decree 23/06/03 No. 196 concerning the protection of personal data, personal data supplied by applicants will be collected at the Institute of Informatics and Telematics for purposes strictly related to the change in Registrant data of the domain name in question. Such data will be processed at a Database of the Institute of Informatics and Telematics of the Italian National Research Council (CNR) in order to carry out transactions relating to the request.

The conferral of such data to the Institute for Informatics and Telematics of the CNR is obligatory for the purposes of evaluation of the change in Registrant data request.

The party concerned enjoys the rights as per article 7 of the above-cited decree. The person responsible for the processing of data is the Director of the Institute for Informatics and Telematics."

3.17.3 Sending the request for change in Registrant data to the Registry

The request for change in Registrant data can be sent to the Registry, by the Registrant or by the Registrar, by post, courier or fax.

We recommend sending it through the Registrar as this is the most efficient way in terms of management.

The request for change in Registrant data can be on several pages (A4) and of a size and format different from that given in the forms on the Registry website but no changes must be made to the wording and contents.

All requests for change in Registrant data must be addressed to:

Registro .it
Istituto di Informatica e Telematica del CNR
Via Giuseppe Moruzzi, 1
I-56124 Pisa (Italy)

Requests for change in Registrant data sent by fax must only be sent to the following number:

+39 050 542420.

3.17.4 Notification for change in Registrant data

The Registry shall email the Registrar and the Registrant (where there is an Email field of the "contact" object associated with the Registrant), to confirm the changes based on requests received. The e-mail will be sent if the data necessary for sending are readable. Requests for changes of Registrant data, entail the amendment in the Registry Database, of the data of the Registrant for the domain name specified in the request.

The notification e-mail sent to the Registrar and the Registrant will include:

- the domain name;
- the date and time of receipt of the request for change in Registrant data;
- the tag of the Registrar (REG tag);
- the number of pages of the document received;
- any reasons for rejection of the request for correction of the error.

All requests for changes in Registrant data that are inaccurate or do not contain the essential data, will be rejected by giving notice of the negative outcome to the Registrar and the Registrant (where there is an Email field of the "contact" object associated with the Registrant), and the data in the Registry Database for the domain name specified will be left unchanged. The e-mail will be sent if the data necessary for sending are readable.

This notification will be sent in cases where:

- the domain name is not in *pendingDelete/pendingDelete*, *pendingDelete/redemptionPeriod*, *inactive/revoked*, *inactive/clientHold*, *inactive/serverHold*, *clientUpdateProhibited*, *serverUpdateProhibited*, *pendingTransfer*, *pendingTransfer/bulk*;
- the person/entity who requested the change is different from the Registrant listed in the Database of the Registry;
- the tax code or VAT number reported in the request is different from that in the RegCode field, if present;
- the content of the request for change is not legible;
- the request for correction is devoid of the data required;
- the data required in the request for change are reported incorrectly or incomplete;
- the wording/form of the request form, as originally made available by the Registry,

- has been altered;
- the application is written in a language other than Italian;
- before the signature at the bottom of the request for change the first name and surname of the signee is not specified, or is related to a person other than the applicant.

3.17.5 Operational activation for change in Registrant data

If all checks are successful, the Registry concludes the process of changing the data, by changing the Registrant data in the Database. Upon loading the new data in the Database an e-mail will be sent to the Registrar and the Registrant (where there is an Email field of the "contact" object associated with the Registrant).

4 Commands for querying the server

The EPP protocol provides clients with commands to query the server. There is a distinction between:

- commands that query the server about the status of objects in the Registry Database, i.e. Check, Info, and Transfer Query commands:
 - the Check command allows a client to determine whether an object or domain contact is in the Database Registry, and thus whether or not it is available for registration. This command can be sent by any Registrar;
 - the Info command allows a client to obtain information about contact or domain in the Database and to display the current value of the property of the object including the current status, or relations with other objects (e.g. what contacts are associated - for various roles - with a registered domain name). This command can only be sent by the Registrar that manages the object; and for domain objects only, also by the Registrar that holds the AuthInfo;
 - the Transfer Query command allows a client to see the status of a request to change the current Registrar or the last change of the Registrar (to which an object has been submitted). This command is applicable only for domain objects because in the synchronous implementation of the Registry, contact objects cannot be transferred. This command can only be sent by the Registrar who currently manages the domain name, or by the Registrar who, in the case of a current request to change the Registrar, holds the AuthInfo (typically the Registrar that sent the request, i.e. the new Registrar);
- commands that query the server on the presence of messages in the client's polling queue, i.e. Poll Req and Poll Ack commands (see Sections 4.3 and 5.7).

4.1 Queries on contact objects

The format of the Check Contact command provides that the client may send in their request a list of contact IDs (up to a maximum number determined by the policies of the server and corresponding to the MAX_CHECK parameter described in "5.11 Other useful parameters"). In its response the server reports, for each identifier in the request, whether it can be used or not in a registration and, if not, the reason (e.g. it is already present in the Registry Database).

4.1.1 Check Contact

4.1.1.1 Example of Request to Check Contact

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <command>
    <check>
      <contact:check xmlns:contact="urn:ietf:params:xml:ns:contact-1.0">
        <contact:id>mm001</contact:id>
        <contact:id>mb001</contact:id>
        <contact:id>cl001</contact:id>
        <contact:id>bb001</contact:id>
      </contact:check>
    </check>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

4.1.1.2 Example of a response to a request to Check Contact

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <resData>
      <contact:chkData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
        <contact:cd>
          <contact:id avail="false">MM001</contact:id>
        </contact:cd>
        <contact:cd>
          <contact:id avail="false">MB001</contact:id>
        </contact:cd>
        <contact:cd>
          <contact:id avail="true">CL001</contact:id>
        </contact:cd>
        <contact:cd>
          <contact:id avail="true">BB001</contact:id>
        </contact:cd>
      </contact:chkData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>DE7512242614</svTRID>
    </trID>
  </response>
</epp>
```

4.1.2 Info Contact

The command Info Contact requires that the client can send only one contact identifier for which to request information. The contact object, identified by the ID specified in the command must be present in the Registry Database and must be currently associated with the client who submits the request: if not, the server returns an error.

The server, in its response, returns the information of the object deriving from registration and change commands submitted by the client, including any extensions in addition to those assigned automatically by the system.

The following table shows additional contact object fields and their correspondence with the XML tags:

Field	Description	XML Tag	XML Tag Attribute	Cardinality	Length	Notes
ROID (Repository Object Identifier)	Contact unambiguous identifier in the Registry database	contact:roid				Assigned automatically by the system
Creation date	Contact first registration date and time	contact:crDate				Assigned automatically by the system
Current client ID	Current registrar	contact:clID				Assigned automatically by the system
Client ID who made the creation	Registrar who made the contact registration	contact:crID				Assigned automatically by the system
Client ID who made the modification	Registrar who modified the contact	contact:upID				Assigned automatically by the system and visible only if the contact has been modified
Update date	Last contact modification date and time	contact:upDate				Assigned automatically by the system
Status	Identifies the statuses that the contact is in	contact:status				The default value, assigned by the system at the registration of the contact in the Registry Database, is ok. When the contact is referenced in the domain name registration, it goes into <i>ok/linked</i>

4.1.2.1 Example of Info Contact request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <info>
      <contact:info
        xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0
contact-1.0.xsd">
        <contact:id>MISSING001</contact:id>
      </contact:info>
    </info>
    <clTRID>ABC-12345</clTRID>
```

```
</command>
</epp>
```

4.1.2.2 Examples of responses for Info Contact request

Example 1

A response to an Info Contact request relating to a contract that has not yet been registered in the Registry Database:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="2303">
      <msg lang="en">Object does not exist</msg>
      <value>
        <id xmlns:contact="urn:ietf:params:xml:ns:contact-
          1.0">MISSING001</id>
      </value>
      <extValue>
        <value>
          <reasonCode xmlns="">9003</reasonCode>
        </value>
      <reason lang="en">Contact does not exist</reason>
    </extValue>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE2512246177</svTRID>
  </trID>
</response>
</epp>
```

Example 2

Response to an Info Contact relating to a contact registered by a different Registrar from the one who submitted the request:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="2201">
      <msg lang="en">Authorization error</msg>
      <extValue>
        <value>
          <reasonCode xmlns="">6001</reasonCode>
        </value>
      <reason lang="en">Lack of permissions to process command</reason>
    </extValue>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE4163604401</svTRID>
  </trID>
</response>
</epp>
```

Example 3

Response to an Info Contact regarding a “tech” contact:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <resData>
      <contact:infData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-1.0.xsd">
        <contact:id>TECH001</contact:id>
        <contact:roid>ITNIC-8</contact:roid>
        <contact:status s="ok" lang="en" />
        <contact:status s="linked" lang="en" />
        <contact:postalInfo type="loc">
          <contact:name>Mirco Bartolini</contact:name>
          <contact:org>Demo Registrar Srl</contact:org>
          <contact:addr>
            <contact:street>via 4 Novembre,12</contact:street>
            <contact:city>Barga</contact:city>
            <contact:sp>LU</contact:sp>
            <contact:pc>55052</contact:pc>
            <contact:cc>IT</contact:cc>
          </contact:addr>
        </contact:postalInfo>
        <contact:voice x="1234">+39.0583123456</contact:voice>
        <contact:fax x="">+39.058375124</contact:fax>
        <contact:email>bartolini@hotmail.it</contact:email>
        <contact:clID>DEMO-REGISTRAR</contact:clID>
        <contact:crID>DEMO-REGISTRAR</contact:crID>
        <contact:crDate>2008-02-19T14:46:35+01:00</contact:crDate>
        <contact:upID>DEMO-REGISTRAR</contact:upID>
        <contact:upDate>2008-03-21T12:35:51+01:00</contact:upDate>
      </contact:infData>
    </resData>
    <extension>
      <extcon:infData
        xmlns:extcon="http://www.nic.it/ITNIC-EPP/extcon-1.0"
        xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extcon-1.0 extcon-1.0.xsd">
        <extcon:consentForPublishing>true</extcon:consentForPublishing>
      </extcon:infData>
    </extension>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>DE0541652374</svTRID>
    </trID>
  </response>
</epp>
```

Example 4

Response to an Info Contact regarding a “registrant” contact:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
<result code="1000">
    <msg lang="en">Command completed successfully</msg>
</result>
<resData>
<contact:infData xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:contact-1.0 contact-
1.0.xsd">
<contact:id>MR0001</contact:id>
<contact:roid>ITNIC-24</contact:roid>
<contact:status s="ok" lang="en" />
<contact:status s="linked" lang="en" />
<contact:postalInfo type="loc">
<contact:name>Mario Rossi</contact:name>
<contact:org>NIC-IT Inc.</contact:org>
<contact:addr>
<contact:street>via Moruzzi,1</contact:street>
<contact:city>Pisa</contact:city>
<contact:sp>PI</contact:sp>
<contact:pc>56124</contact:pc>
<contact:cc>IT</contact:cc>
</contact:addr>
</contact:postalInfo>
<contact:voice x="2111">+39.050315</contact:voice>
<contact:fax x="">+39.0503152113</contact:fax>
<contact:email>mario.rossi@example.it</contact:email>
<contact:clID>DEMO-REGISTRAR</contact:clID>
<contact:crID>DEMO-REGISTRAR</contact:crID>
<contact:crDate>2008-02-27T11:28:32+01:00</contact:crDate>
<contact:upID>DEMO-REGISTRAR</contact:upID>
<contact:upDate>2008-02-29T12:28:22+01:00</contact:upDate>
</contact:infData>
</resData>
<extension>
<extcon:infData xmlns:extcon="http://www.nic.it/ITNIC-EPP/extcon-
1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extcon-1.0
extcon-1.0.xsd">
<extcon:consentForPublishing>true</extcon:consentForPublishing>
<extcon:registrant>
<extcon:nationalityCode>IT</extcon:nationalityCode>
<extcon:entityType>1</extcon:entityType>
<extcon:regCode>RSSMRA64C14G702Q</extcon:regCode>
</extcon:registrant>
</extcon:infData>
</extension>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>MA7242504661</svTRID>
</trID>
</response>
</epp>

```

4.2 Queries on domain objects

4.2.1 Check Domain

The command Check Domain allows the client to send a list of domain names (up to a maximum number determined by the policies of the server and corresponding to the MAX_CHECK parameter described in "5.11 Other useful parameters"). The server, for each domain name listed in the request, indicates whether it can be inserted or not in a registration request and, if not, the reason (e.g. it is already present in the Registry Database or it is reserved).

4.2.1.1 Example of a Check Domain request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <check>
      <domain:check
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example1.it</domain:name>
        <domain:name>example2.it</domain:name>
        <domain:name>example3.it</domain:name>
      </domain:check>
    </check>
    <clTRID>ABC-12345</clTRID>
  </command>
</epp>
```

4.2.1.2 Example of a response to a Check Domain request

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <resData>
      <domain:chkData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-
1.0.xsd">
        <domain:cd>
          <domain:name avail="false">example1.it</domain:name>
          <domain:reason lang="en">Domain is registered</domain:reason>
        </domain:cd>
        <domain:cd>
          <domain:name avail="false">example2.it</domain:name>
          <domain:reason lang="en">Domain is registered</domain:reason>
        </domain:cd>
        <domain:cd>
          <domain:name avail="true">example3.it</domain:name>
        </domain:cd>
      </domain:chkData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>DE5106741725</svTRID>
```

```
</trID>
</response>
</epp>
```

4.2.2 Info Domain

The Info Domain command allows the client to request information for a single domain name. The object domain associated with the domain name specified must be present in the Registry Database, and the client who submits the application must be the one currently associated with the domain name or another client in possession of the AuthInfo: otherwise the server will send a response error. The server, in its response, returns the information of the object deriving from registration and change commands submitted by the client, including any extensions in addition to those assigned automatically by the system.

The following table shows additional fields of the domain object and the related correspondence with the XML tags:

Field	Description	XML Tag	XML Tag Attribute	Cardinality	Notes
ROID (Repository Object Identifier)	Domain name unambiguous identifier in the Registry database	domain:roid			Assigned automatically by the system
Creation date	Domain name first registration date and time	domain:crDate			Assigned automatically by the system
Current client ID	Current Registrar	domain:clID			Assigned automatically by the system
Client ID who made the creation	Registrar who made the domain name registration	domain:crID			Assigned automatically by the system
Client ID who made the modification	Registrar who modified the domain name registration	domain:upID			Assigned automatically by the system and visible only if the domain name has been modified
Expiry date	Domain name expiry date and time	domain:exDate			Automatically updated by the system at the maintenance period expiration date (a year)
Update date	Domain name last modification date and time	domain:upDate			Assigned automatically by the system
Transfer date	Registrar modification operation end date and time	domain:trDate			Assigned automatically by the system and visible only if the Registrar of the domain name has been modified
Status	Identifies the statuses that the contact is in	domain:status			The default value, assigned by the system at the registration of the domain name in the Registry Database, is <i>inactive/dnsHold</i>

4.2.2.1 Examples of an Info Domain request

Example 1

Info Domain request submitted by the Registrar of a domain (and thus without AuthInfo)

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <info>
      <domain:info
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
          <domain:name hosts="all">example.it</domain:name>
        </domain:info>
      </info>
      <clTRID>ABC-12345</clTRID>
    </command>
  </epp>
```

Example 2

Domain Info request submitted by a Registrar who is different from the one in the domain name registration. In this case the Registrar must insert the value of the AuthInfo currently associated with the domain name:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <info>
      <domain:info
        xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
        xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
          <domain:name hosts="all">example.it</domain:name>
          <domain:authInfo>
            <domain:pw>22fooBAR</domain:pw>
          </domain:authInfo>
        </domain:info>
      </info>
      <clTRID>ABC-12345</clTRID>
    </command>
  </epp>
```

4.2.2.2 Examples of responses to a Domain Info request

Example 1

Response to a Domain Info request for a domain name not yet registered in the Registry Database:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="2303">
      <msg lang="en">Object does not exist</msg>
      <value>
        <name xmlns:domain="urn:ietf:params:xml:ns:domain-
```

```

1.0">missing.it</name>
</value>
<extValue>
  <value>
    <reasonCode xmlns="">9036</reasonCode>
  </value>
  <reason lang="en">Domain does not exist</reason>
</extValue>
</result>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE4442342340</svTRID>
</trID>
</response>
</epp>

```

Example 2

Response to a Domain Info request submitted by a Registrar who maintains the domain name or by a different Registrar who holds the AuthInfo:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <resData>
    <domain:infData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:roid>ITNIC-666</domain:roid>
      <domain:status s="ok" lang="en" />
      <domain:registrant>REG001</domain:registrant>
      <domain:contact type="admin">REG001</domain:contact>
      <domain:contact type="tech">TECH001</domain:contact>
      <domain:ns>
        <domain:hostAttr>
          <domain:hostName>ns1.example.it</domain:hostName>
          <domain:hostAddr ip="v4">192.0.2.1</domain:hostAddr>
        </domain:hostAttr>
        <domain:hostAttr>
          <domain:hostName>ns2.example.it</domain:hostName>
          <domain:hostAddr ip="v4">192.0.2.2</domain:hostAddr>
        </domain:hostAttr>
      </domain:ns>
      <domain:host>ns1.example.it</domain:host>
      <domain:host>ns2.example.it</domain:host>
      <domain:clID>DEMO-REGISTRAR</domain:clID>
      <domain:crID>DEMO-REGISTRAR</domain:crID>
      <domain:crDate>2008-02-21T15:18:12+01:00</domain:crDate>
      <domain:upID>DEMO-REGISTRAR</domain:upID>
      <domain:upDate>2008-03-12T16:21:08+01:00</domain:upDate>
      <domain:exDate>2009-02-21T23:59:59+01:00</domain:exDate>
      <domain:authInfo>
        <domain:pw>22fooBAR</domain:pw>
      </domain:authInfo>
    </domain:infData>

```

```

</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE5364020731</svTRID>
</trID>
</response>
</epp>

```

Example 3

Response to a Domain Info request submitted by a Registrar at the termination of a change of the Registrar. Note the presence of duplicated contacts and the date of transfer.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <resData>
    <domain:infData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:roid>ITNIC-666</domain:roid>
      <domain:status s="ok" lang="en" />
      <domain:registrant>DUP679000001</domain:registrant>
      <domain:contact type="admin">DUP679000001</domain:contact>
      <domain:contact type="tech">DUP142000001</domain:contact>
      <domain:ns>
        <domain:hostAttr>
          <domain:hostName>ns1.example.it</domain:hostName>
          <domain:hostAddr ip="v4">192.0.2.1</domain:hostAddr>
        </domain:hostAttr>
        <domain:hostAttr>
          <domain:hostName>ns2.example.it</domain:hostName>
          <domain:hostAddr ip="v4">192.0.2.2</domain:hostAddr>
        </domain:hostAttr>
      </domain:ns>
      <domain:host>ns1.example.it</domain:host>
      <domain:host>ns2.example.it</domain:host>
      <domain:clID>NEW-REGISTRAR</domain:clID>
      <domain:crID>DEMO-REGISTRAR</domain:crID>
      <domain:crDate>2008-02-21T15:18:12+01:00</domain:crDate>
      <domain:upID>NEW-REGISTRAR</domain:upID>
      <domain:upDate>2008-02-25T07:54:50+01:00</domain:upDate>
      <domain:exDate>2009-02-21T23:59:59+01:00</domain:exDate>
      <domain:trDate>2009-02-25T23:59:59+01:00</domain:trDate>
      <domain:authInfo>
        <domain:pw>22fooBAR</domain:pw>
      </domain:authInfo>
    </domain:infData>
  </resData>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>MA5313310327</svTRID>
  </trID>
</response>
</epp>

```

Example 4

Response to an Info Domain request on a domain name that is in inactive/*dnsHold*.

In this case the response can contain three extensions:

- **extdom:infData** contains statuses of the Registry which, along with the standard ones described in XML Schema domain-1.0.xsd, describe the status of the domain name in question. The statuses are described in the extdom-1.0.xsd (tag: extdom:ownStatus);
- **rgp:infData** contains the statuses belonging to the extension of the protocol for the grace period which, together with the standard described ones in the key domain-1.0.xsd, describe the status of the domain name in question. The statuses are described in the XML schema rgp-1.0.xsd (tag rgp:rgpStatus);
- **extdom:infNsToValidateData** contains the latest DNS configuration of the domain name subject to verification:
 - if the domain name is in inactive/*dnsHold*, there is no configuration that is verified as correct so the response will return only the last configuration tested;
 - if the domain name is in pendingUpdate, the response will return both the last correct configuration (in the domain:ns section) and the last configuration tested.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <resData>
    <domain:infData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:roid>ITNIC-40</domain:roid>
      <domain:status s="inactive" lang="en" />
      <domain:registrant>MM001</domain:registrant>
      <domain:contact type="admin">MM001</domain:contact>
      <domain:contact type="tech">MB001</domain:contact>
      <domain:clID>DEMO-REGISTRAR</domain:clID>
      <domain:crID>DEMO-REGISTRAR</domain:crID>
      <domain:crDate>2008-07-04T13:03:15+02:00</domain:crDate>
      <domain:upID>DEMO-REGISTRAR</domain:upID>
      <domain:upDate>2008-07-07T14:00:10+02:00</domain:upDate>
      <domain:exDate>2009-07-04T23:59:59+02:00</domain:exDate>
      <domain:authInfo>
        <domain:pw>22fooBAR</domain:pw>
      </domain:authInfo>
    </domain:infData>
  </resData>
  <extension>
    <extdom:infData xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0 extdom-1.0.xsd">
      <extdom:ownStatus s="dnsHold" lang="en" />
    </extdom:infData>
    <extdom:infNsToValidateData
```

```
xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0
extdom-1.0.xsd">
  <extdom:nsToValidate>
    <domain:hostAttr
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:hostName>ns1.example.it</domain:hostName>
    </domain:hostAttr>
    <domain:hostAttr
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:hostName>ns2.example.it</domain:hostName>
    </domain:hostAttr>
    <domain:hostAttr
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:hostName>dns.dominio.net</domain:hostName>
    </domain:hostAttr>
    <domain:hostAttr
      xmlns:domain="urn:ietf:params:xml:ns:domain-1.0">
      <domain:hostName>dns.dominio.com</domain:hostName>
    </domain:hostAttr>
  </extdom:nsToValidate>
</extdom:infNsToValidateData>
</extension>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE6767446305</svTRID>
</trID>
</response>
</epp>
```

4.2.3 Domain Transfer Query

The Domain Transfer Query command enables the client to request information on a single domain name for which a request to change the Registrar is under way or has been completed. The domain object associated with the domain name specified in the request must be present in the Registry Database and the client that sends the request must be the one that currently manages the domain name or the new Registrar who must take over and that is in possession of the AuthInfo. Otherwise the server sends a response error. In its response, the server reports the information of the object relative to the transfer, including any extensions that have been automatically assigned by the system.

For as long as the domain name is in pendingTransfer, the command can be submitted without AuthInfo both by the Registrar requesting the transfer (i.e. the new Registrar) and by the one currently associated with the domain name (i.e. the previous Registrar). Once the transfer has been completed, successfully or unsuccessfully, only the Registrar who holds the domain name can submit the Transfer Query command without the AuthInfo.

For a change of the Registrar with the simultaneous change in the Registrant which is still in progress, the server's response will include the identity of the new Registrant and the new AuthInfo. For the sake of privacy, this information is provided only if the request for Transfer Query came from the same Registrar as sent the request for transfer.

The information that the server will include in the response is shown in the following table:

Field	Description	XML Tag	XML Tag Attribute	Cardinality	Notes
-------	-------------	---------	-------------------	-------------	-------

Domain name	Unique ID of the domain name in the Registry's Database	domain:name			
Transfer status	Transfer substatus to describe the transfer situation	domain:trStatus			Assigned automatically by the system. Possible values: pending clientApproved clientRejected clientCancelled serverApproved
Client ID of the request	ID of Registrar that submitted the transfer request	domain:reID			Assigned automatically by the system
Request date	Date when the transfer request was submitted	domain:reDate			Assigned automatically by the system
Request acceptance Client ID	ID of Registrar to whom the possible transfer validation is requested	domain:acID			Assigned automatically by the system
Request acceptance date	Transfer must be accepted before this date	domain:acDate			Assigned automatically by the system. Calculated starting from the request date, adding the maximum period in which the domain can stay in the pendingTransfer
New Registrant data		extdom:transferTrade			Extension containing information to change the Registrant with the simultaneous change in Registrar
New Registrant	New Registrant identifier	extdom:newRegistrant			
New domain name AuthInfo	Identifies the new authorization password for the domain name specific operation request	extdom:newAuthInfo			

4.2.3.1 Example of Domain Transfer Query request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-
1.0.xsd">
  <command>
    <transfer op="query">
```

```
<domain:transfer
  xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
  xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
  <domain:name>example.it</domain:name>
  <domain:authInfo>
    <domain:pw>22fooBAR</domain:pw>
  </domain:authInfo>
</domain:transfer>
</transfer>
<clTRID>ABC-12345</clTRID>
</command>
</epp>
```

4.2.3.2 Examples of responses to a Domain Transfer Query request

Example 1

Response to a Domain Transfer Query request on a domain name that is not in pendingTransfer:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="2301">
    <msg lang="en">Object not pending transfer</msg>
    <value>
      <name xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">example.it</name>
    </value>
    <extValue>
      <value>
        <reasonCode xmlns="">9054</reasonCode>
      </value>
      <reason lang="en">Domain transfer not pending</reason>
    </extValue>
  </result>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE2130570550</svTRID>
  </trID>
</response>
</epp>
```

Example 2

Response to a Domain Transfer Query request submitted by an unauthorized Registrar: the Registrar that is making the request is not the one that currently operates the domain name nor the one that made the request to change the Registrar:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="2201">
    <msg lang="en">Authorization error</msg>
    <value>
      <name xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0">example.it</name>
```

```

</value>
<extValue>
  <value>
    <reasonCode xmlns="">9051</reasonCode>
  </value>
  <reason lang="en">Lack of permissions to view status of
    domain transfer request</reason>
</extValue>
</result>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE0344416664</svTRID>
</trID>
</response>
</epp>

```

Example 3

Response to a Domain Transfer Query request on a domain name that is in pendingTransfer:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <resData>
    <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:trStatus>pending</domain:trStatus>
      <domain:reID>NEW-REGISTRAR</domain:reID>
      <domain:reDate>2008-02-25T07:40:00+01:00</domain:reDate>
      <domain:acID>DEMO-REGISTRAR</domain:acID>
      <domain:acDate>2008-03-01T23:59:59+01:00</domain:acDate>
    </domain:trnData>
  </resData>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE6274716266</svTRID>
  </trID>
</response>
</epp>

```

Example 4

Response to a Domain Transfer Query request on a domain name for which the last request for change of Registrar has been approved:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>

```

```
<resData>
  <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
    <domain:name>example.it</domain:name>
    <domain:trStatus>clientApproved</domain:trStatus>
    <domain:reID>NEW-REGISTRAR</domain:reID>
    <domain:reDate>2008-02-25T07:54:21+01:00</domain:reDate>
    <domain:acID>DEMO-REGISTRAR</domain:acID>
    <domain:acDate>2008-02-25T07:54:49+01:00</domain:acDate>
  </domain:trnData>
</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>MA2564322642</svTRID>
</trID>
</response>
</epp>
```

Example 5

Response to a Domain Transfer Query requested by the new Registrar that has submitted the Transfer-Trade Domain command for the change of the Registrar with the simultaneous change of the registrant of a domain name (example.it).

In this case the domain name is in pendingTransfer.

The response to the Domain Transfer Query command contains "extdom:trade" because the Registrar that made a Domain Transfer Query request is the same as the one submitted the Domain Transfer Request with "extdom:trade":

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <resData>
    <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0 domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:trStatus>pending</domain:trStatus>
      <domain:reID>NEW-REGISTRAR</domain:reID>
      <domain:reDate>2008-07-29T15:02:34+02:00</domain:reDate>
      <domain:acID>DEMO-REGISTRAR</domain:acID>
      <domain:acDate>2008-08-03T23:59:59+02:00</domain:acDate>
    </domain:trnData>
  </resData>
  <extension>
    <extdom:trade xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0 extdom-1.0.xsd">
      <extdom:transferTrade>
        <extdom:newRegistrant>MM2-001</extdom:newRegistrant>
        <extdom:newAuthInfo>
          <extdom:pw>NEW2fooBAR</extdom:pw>
        </extdom:newAuthInfo>
      </extdom:transferTrade>
    </extdom:trade>
  </extension>
</response>
</epp>
```

```

        </extdom:transferTrade>
    </extdom:trade>
</extension>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>MA3324045222</svTRID>
</trID>
</response>
</epp>

```

Example 6

Response to a Domain Transfer Query submitted by the old Registrar on a domain name maintained by this old Registrar (example.it) that is subject to a Transfer-Trade Domain request for the change of the Registrar with the simultaneous change of the Registrant.

In this case the domain name is in pendingTransfer.

The response to the command Domain Transfer Query does not contain "extdom:trade" because the Registrar that made a Domain Transfer Query request is the same one that manages the domain name:

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
    <result code="1000">
        <msg lang="en">Command completed successfully</msg>
    </result>
    <resData>
        <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
            xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
            domain-1.0.xsd">
            <domain:name>example.it</domain:name>
            <domain:trStatus>pending</domain:trStatus>
            <domain:reID>NEW-REGISTRAR</domain:reID>
            <domain:reDate>2008-07-29T15:02:34+02:00</domain:reDate>
            <domain:acID>DEMO-REGISTRAR</domain:acID>
            <domain:acDate>2008-08-03T23:59:59+02:00</domain:acDate>
        </domain:trnData>
    </resData>
    <trID>
        <clTRID>ABC-12345</clTRID>
        <svTRID>DE2026115313</svTRID>
    </trID>
</response>
</epp>

```

4.3 Polling

4.3.1 Example of a Poll Req request

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
    <command>
        <poll op="req"/>
        <clTRID>ABC-12345</clTRID>
    </command>

```

</epp>

4.3.2 Example of a response to a Poll Req

Example 1

Response to a Req Poll completed successfully. The message informs the client in relation to the imminent expiry of the password.

The response contains extepp:passwordReminder which shows the expiry date of the password.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="1" id="26">
    <qDate>2008-07-22T09:07:43+02:00</qDate>
    <msg lang="en">Password will expire soon</msg>
  </msgQ>
  <extension>
    <extepp:passwdReminder xmlns:extepp="http://www.nic.it/ITNIC-
      EPP/extepp-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-
      EPP/extepp-1.0 extepp-1.0.xsd">
      <extepp:exDate>2008-07-30T12:28:42+02:00</extepp:exDate>
    </extepp:passwdReminder>
  </extension>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE7234153350</svTRID>
  </trID>
</response>
</epp>
```

Example 2

Response to a Poll Req completed successfully. The message informs the client that the nameservers associated with the domain name are not configured correctly.

The response contains extdom:dnsmErrorMsgData which contains information on the verification of the correctness of the DNS configuration of the domain name operated by the synchronous server:

- **extdom:responseId:** univocal identification code of the check request internally carried out by the synchronous server
- **extdom:validationDate:** date of the last check carried out
- **extdom:report:** report of the error detected structured as follows:
 - extdom:domain: (item)
 - **name:** name of the domain undergoing check (attribute)
 - **status:** check final outcome (attribute)
 - **extdom:test:** (list of items)
 - **name:** name of the test (attribute)
 - **status:** final outcome of the specific test (attribute)
 - **extdom:dns:** (list of items)
 - **name:** name of the nameserver undergoing a test (attribute)
 - **status:** outcome of the specific test on the nameserver (attribute)
 - **extdom:dnsreport:** (list of items)

- **level:** report level of the specific test (optional attribute)
- report of the test on the nameserver (item value)

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp
  1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="7" id="1971">
    <qDate>2008-12-03T08:02:34+01:00</qDate>
    <msg lang="en">DNS check ended unsuccessfully</msg>
  </msgQ>
  <extension>
    <extdom:dnsErrorMsgData
      xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
      xsi:schemaLocation="http://www.nic.it/ITNIC
      EPP/extdom-1.0 extdom-1.0.xsd">
      <extdom:responseId>80632e80-dele-474c-9b5f
        68b40d737c3f</extdom:responseId>
      <extdom:validationDate>2008-12
        03T07:59:57+01:00</extdom:validationDate>
      <extdom:report>
        <extdom:domain name="pippo2.it." status="FAILED">
          <extdom:test name="NameserversResolvableTest"
            status="SUCCEEDED">
            <extdom:dns name="ns1.pippo2.it."
              status="SUCCEEDED" />
            <extdom:dns name="ns2.pippo2.it."
              status="SUCCEEDED" />
          </extdom:test>
          <extdom:test name="NameserversAnswerTest"
            status="FAILED">
            <extdom:dns name="ns1.pippo2.it."
              status="FAILED" />
            <extdom:dns name="ns2.pippo2.it."
              status="FAILED" />
          </extdom:test>
          <extdom:test name="NameserverReturnCodeTest"
            status="SUCCEEDED" />
          <extdom:test name="AATest" status="SUCCEEDED"
            />
          <extdom:test name="NSCompareTest"
            status="SUCCEEDED" />
          <extdom:test name="CNAMEHostTest"
            status="SUCCEEDED" />
          <extdom:test name="IPCompareTest"
            status="FAILED">
            <extdom:dns name="ns1.pippo2.it."
              status="FAILED">
            <extdom:dnsreport level="debug">
              <![CDATA[
                ;; ->>HEADER<<- opcode: QUERY,
                  status: NXDOMAIN, id: 16052
                ;; flags: qr rd ra ; qd: 1 an: 0
                au: 1 ad: 0
```



```

        ;; QUESTIONS:
        ;; ns1.pippo2.it., type = ANY,
        class = IN
        ;; ANSWERS:
        ;; AUTHORITY RECORDS:
        it. 5402 IN SOA ns1.pippo2.
        hostmaster.pippo2.it. 2008120301
        10800 3600 604800 10800
        ;; ADDITIONAL RECORDS:
        ;; Message size: 87 bytes

    ]]>
</extdom:dnsreport>
<extdom:dnsreport>Unresolveable
  ns1.pippo2.it.</extdom:dnsreport>
</extdom:dns>
<extdom:dns name="ns2.pippo2.it."
  status="FAILED">
<extdom:dnsreport level="debug">
  <![CDATA[
    ;; ->>HEADER<- opcode: QUERY,
    status: NXDOMAIN, id: 15168
    ;; flags: qr rd ra ; qd: 1 an: 0 au:
    1 ad: 0
    ;; QUESTIONS:
    ;; ns2.pippo2.it., type = ANY,
    class = IN
    ;; ANSWERS:
    ;; AUTHORITY RECORDS:
    it. 5402 IN SOA ns1.pippo2.
    hostmaster.pippo2.it. 2008120301
    10800 3600 604800 10800
    ;; ADDITIONAL RECORDS:
    ;; Message size: 87 bytes

  ]]>
</extdom:dnsreport>
<extdom:dnsreport>Unresolveable
  ns2.pippo2.it.</extdom:dnsreport>
</extdom:dns>
</extdom:test>
<extdom:test name="MXCompareTest"
  status="SUCCEEDED" />
<extdom:test name="SOAMasterCompareTest"
  status="SUCCEEDED" />
</extdom:domain>
</extdom:report>
</extdom:dnsErrorMsgData>
</extension>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE6323330406</svTRID>
</trID>
</response>
</epp>

```

Example 3

Response to a Poll Req completed successfully. The server notifies the client of an event that took place on a domain name. In this case, the message informs the Registrar that the

domain name, which he managed, has been deleted. The response contains **extdom:simpleMsgData**, which only shows the domain name in question.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="1" id="24">
    <qDate>2008-07-21T12:44:37+02:00</qDate>
    <msg lang="en">Domain has been deleted</msg>
  </msgQ>
  <extension>
    <extdom:simpleMsgData xmlns:extdom="http://www.nic.it/ITNIC-
      EPP/extdom-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-
      EPP/extdom-1.0 extdom-1.0.xsd">
      <extdom:name>example.it</extdom:name>
    </extdom:simpleMsgData>
  </extension>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE6463463742</svTRID>
  </trID>
</response>
</epp>
```

Example 4

Response to a Poll Req completed successfully. The server sends the switch status of a domain name.

The message is sent following a report from a client following an event. This example considers a request for deletion and subsequent placing of the domain name in pendingDelete/*redemptionPeriod*.

The response contains **extdom:chgStatusMsgData**, which contains the following information:

- **extdom:name:** The name of the domain to which the message refers and which underwent a switch status;
- **extdom:targetStatus:** the status of arrival of the domain name contains the statuses that may belong to the standard ones described in XML Schema domain-1.0.xsd (tag domain:status) to the extension of the protocol for the grace period and are described in rgp-1.0.xsd (tag rgp:rgpStatus) or the extension extdom-1.0.xsd (tag extdom:ownStatus).

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="1" id="84">
    <qDate>2008-08-04T18:57:45+02:00</qDate>
```

```

    <msg lang="en">redemptionPeriod is started</msg>
  </msgQ>
  <extension>
    <extdom:chgStatusMsgData
      xmlns:extdom="http://www.nic.it/ITNIC-EPP/extdom-1.0"
      xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extdom-1.0
        extdom-1.0.xsd">
      <extdom:name>example.it</extdom:name>
      <extdom:targetStatus>
        <domain:status xmlns:domain="urn:ietf:params:xml:ns:domain-
          1.0" s="pendingDelete" lang="en" />
        <rgp:rgpStatus xmlns:rgp="urn:ietf:params:xml:ns:rgp-1.0"
          s="redemptionPeriod" lang="en" />
      </extdom:targetStatus>
    </extdom:chgStatusMsgData>
  </extension>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE5746633232</svTRID>
  </trID>
</response>
</epp>

```

Example 5

Response to a Poll Req completed successfully. The server notifies the interruption of the proxy.

The message is sent following the deletion of a domain name registered with nameservers subordinate to it and referenced in the registration of other domain names.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1301">
      <msg lang="en">Command completed successfully; ack to
        dequeue</msg>
    </result>
    <msgQ count="1" id="24">
      <qDate>2008-07-21T12:50:57+02:00</qDate>
      <msg lang="en">Lost delegation</msg>
    </msgQ>
    <extension>
      <extdom:dlgMsgData xmlns:extdom="http://www.nic.it/ITNIC-
        EPP/extdom-1.0" xsi:schemaLocation="http://www.nic.it/ITNIC-
        EPP/extdom-1.0 extdom-1.0.xsd">
        <extdom:name>domain.it</extdom:name>
        <extdom:ns>ns1.example.it</extdom:ns>
      </extdom:dlgMsgData>
    </extension>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>DE6463463742</svTRID>
    </trID>
  </response>
</epp>

```

Example 6

Response to a Poll Req completed successfully. The server notifies the current Registrar of

the domain name of the request for change of Registrar received from the new Registrar. In this case the change of Registrar was requested by the “NEW-REGISTRAR” using Domain Transfer “op=request”. The message is inserted in the polling queue of the Registrar “DEMO-REGISTRAR” that manages the domain name.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="1" id="33">
    <qDate>2008-07-29T10:19:16+02:00</qDate>
    <msg lang="en">Domain transfer has been requested:
      pendingTransfer is started</msg>
  </msgQ>
  <resData>
    <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
      1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
      domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:trStatus>pending</domain:trStatus>
      <domain:reID>NEW-REGISTRAR</domain:reID>
      <domain:reDate>2008-07-29T10:19:16+02:00</domain:reDate>
      <domain:acID>DEMO-REGISTRAR</domain:acID>
      <domain:acDate>2008-08-03T23:59:59+02:00</domain:acDate>
    </domain:trnData>
  </resData>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>DE0637101245</svTRID>
  </trID>
</response>
</epp>
```

Example 7

Response to a Poll Req completed successfully. The server notifies the current Registrar of the domain name that the request for change of Registrar has been annulled by the new Registrar.

The request is submitted by the Registrar “NEW-REGISTRAR” using Domain Transfer “op=cancel”. The message is inserted in the polling queue of the Registrar “DEMO-REGISTRAR” that manages the domain name.

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1301">
      <msg lang="en">Command completed successfully; ack to
        dequeue</msg>
    </result>
    <msgQ count="1" id="34">
      <qDate>2008-07-29T10:23:34+02:00</qDate>
      <msg lang="en">Domain transfer has been cancelled</msg>
    </msgQ>
  </response>
</epp>
```

```

</msgQ>
<resData>
  <domain:trnData
    xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
    xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
    <domain:name>example.it</domain:name>
    <domain:trStatus>clientCancelled</domain:trStatus>
    <domain:reID>NEW-REGISTRAR</domain:reID>
    <domain:reDate>2008-07-
29T10:19:16+02:00</domain:reDate>
    <domain:acID>DEMO-REGISTRAR</domain:acID>
    <domain:acDate>2008-07-
29T10:23:34+02:00</domain:acDate>
  </domain:trnData>
</resData>
<trID>
  <clTRID>ABC-12345</clTRID>
  <svTRID>DE2670233227</svTRID>
</trID>
</response>
</epp>

```

Example 8

Response to a Poll Req completed successfully. The server notifies the new Registrar that the request for change of Registrar has been rejected by the current Registrar of the domain name.

The request is submitted by the Registrar “DEMO-REGISTRAR” using Domain Transfer “op=reject”. The message is inserted in the polling queue of the Registrar “NEW-REGISTRAR” that previously made the request for change of Registrar.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1301">
      <msg lang="en">Command completed successfully; ack to
dequeue</msg>
    </result>
    <msgQ count="1" id="36">
      <qDate>2008-07-29T10:31:23+02:00</qDate>
      <msg lang="en">Domain transfer has been rejected</msg>
    </msgQ>
    <resData>
      <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
domain-1.0.xsd">
        <domain:name>example.it</domain:name>
        <domain:trStatus>clientRejected</domain:trStatus>
        <domain:reID>NEW-REGISTRAR</domain:reID>
        <domain:reDate>2008-07-29T10:30:39+02:00</domain:reDate>
        <domain:acID>DEMO-REGISTRAR</domain:acID>
        <domain:acDate>2008-07-29T10:31:22+02:00</domain:acDate>
      </domain:trnData>
    </resData>
    <trID>
      <clTRID>ABC-12345</clTRID>
      <svTRID>MA3616063160</svTRID>
    </trID>
  </response>
</epp>

```

```

    </trID>
</response>
</epp>

```

Example 9

Response to a Poll Req completed successfully. The server notifies the new Registrar that the request for change of Registrar has been approved by the current Registrar of the domain name.

The request is submitted by the Registrar “DEMO-REGISTRAR” using Domain Transfer “op=approve”. The message is inserted in the polling queue of the Registrar “NEW-REGISTRAR” and, with a different svTRID, in that of the old Registrar “DEMO-REGISTRAR”.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1301">
    <msg lang="en">Command completed successfully; ack to
      dequeue</msg>
  </result>
  <msgQ count="1" id="36">
    <qDate>2008-07-29T10:31:23+02:00</qDate>
    <msg lang="en">Domain transfer has been executed</msg>
  </msgQ>
  <resData>
    <domain:trnData xmlns:domain="urn:ietf:params:xml:ns:domain-
      1.0" xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
      domain-1.0.xsd">
      <domain:name>example.it</domain:name>
      <domain:trStatus>clientApproved</domain:trStatus>
      <domain:reID>NEW-REGISTRAR</domain:reID>
      <domain:reDate>2008-07-29T10:30:39+02:00</domain:reDate>
      <domain:acID>DEMO-REGISTRAR</domain:acID>
      <domain:acDate>2008-07-29T10:31:22+02:00</domain:acDate>
    </domain:trnData>
  </resData>
  <trID>
    <clTRID>ABC-12345</clTRID>
    <svTRID>MA6908753421</svTRID>
  </trID>
</response>
</epp>

```

Example 10

Response to a Poll Req completed successfully.

In this case the change of Registrar is made automatically by the server at the expiry of pendingTransfer. The message is inserted in the polling queue of the Registrar “NEW-REGISTRAR” and, with a different svTRID, in that of the old Registrar “DEMO-REGISTRAR”.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>

```

```
<result code="1301">
  <msg lang="en">Command completed successfully; ack to
    dequeue</msg>
</result>
<msgQ count="1" id="36">
  <qDate>2008-07-29T10:31:23+02:00</qDate>
  <msg lang="en">Domain transfer is expired: transfer has
    been executed</msg>
</msgQ>
<resData>
  <domain:trnData
    xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"
    xsi:schemaLocation="urn:ietf:params:xml:ns:domain-1.0
      domain-1.0.xsd">
    <domain:name>example.it</domain:name>
    <domain:trStatus>serverApproved</domain:trStatus>
    <domain:reID>NEW-REGISTRAR</domain:reID>
    <domain:reDate>2008-07-
      29T10:30:39+02:00</domain:reDate>
    <domain:acID>DEMO-REGISTRAR</domain:acID>
    <domain:acDate>2008-07-
      29T10:31:22+02:00</domain:acDate>
  </domain:trnData>
</resData>
<trID>
<clTRID>ABC-12345</clTRID>
<svTRID>MA5790443211</svTRID>
</trID>
</response>
</epp>
```

4.3.3 Example of a Poll Ack request

Poll Ack for deleting the message with msgID="227" from the client's polling queue:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <command>
    <poll op="ack" msgID="227"/>
    <clTRID>ABC-12346</clTRID>
  </command>
</epp>
```

4.3.4 Examples of responses to a Poll Ack request

Example 1

Response to successful Poll Ack:

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg lang="en">Command completed successfully</msg>
  </result>
  <trID>
    <clTRID>ABC-12346</clTRID>
```



```

        <svTRID>DE7575242452</svTRID>
    </trID>
</response>
</epp>

```

Example 2

Response to successful Poll Ack sent by client whose polling queue is empty.

```

<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
    <result code="1300">
        <msg lang="en">Command completed successfully; no
        messages</msg>
    </result>
    <trID>
        <clTRID>ABC-12345</clTRID>
        <svTRID>DE0550674265</svTRID>
    </trID>
</response>
</epp>

```

5 Appendix A - The EPP protocol

The EPP protocol is a "stateful" XML application protocol in which the information exchanged between client and server includes the concept of status, and both systems keep track of the status of the communication session. The protocol can support a variety of transport protocols.

Initially the clients identify themselves to the server, using secure connections, and are authenticated, and then exchange with the server information on the services implemented and the objects manipulated. The clients then start the sessions based on a series of "request-response" exchanges.

All the EPP commands are atomic (there is no partial success or failure even though the effect of a transaction might not be completed by the conclusion of the corresponding request).

The basic elements of the protocol are:

- Identification of the services offered by the server
- Commands
- Responses
- Extensions to the protocol

The EPP uses XML namespaces to provide an extensible management paradigm of objects, and for identifying XML Schema required to parse and validate the XML content both of the base protocol and of any extensions.

5.1 XML Schemas supported Registry's EPP server

All definitions of commands or objects used in the implementation of the EPP protocol of the Registry's synchronous system are contained in XML Schemas.

Since the EPP protocol is extensible, all extensions to the standard are, in turn, described in other XML Schema.

It is necessary therefore that the client of the synchronous system supports the following XML Schema:

- standard XML Schema of the EPP protocol:
 - *epp-1.0.xsd*: Extensible Provisioning Protocol v1.0 schema
 - *domain-1.0.xsd*: Extensible Provisioning Protocol v1.0 domain provisioning schema
 - *contact-1.0.xsd*: Extensible Provisioning Protocol v1.0 contact provisioning schema
 - *eppcom-1.0.xsd*: Extensible Provisioning Protocol v1.0 shared structures schema
- XML Schema that cover the extension for the management of the grace period adopted by the Registry:
 - *rgp-1.0.xsd*: Extensible Provisioning Protocol v1.0 domain name extension schema for Registry grace period processing
- XML Schema that cover extensions to the EPP protocol defined by the Registry:
 - *extepp-1.0.xsd*: IT-NIC Extensible Provisioning Protocol v1.0 EPP extension.
 - *extcon-1.0.xsd*: IT-NIC Extensible Provisioning Protocol v1.0 domain extension
 - *extdom-1.0.xsd*: IT-NIC Extensible Provisioning Protocol v1.0 contact extension

5.2 EPP Commands

EPP commands are processed by the server in the order they are received from the client. For each request sent by the client, the server sends an immediate response that confirms the receipt and processing of the request.

There are three categories of EPP commands that the client may submit to the server:

- commands for session management (login, logout, hello)
- commands for registering and changing of contact and domain objects
- commands for querying the server that do not change contact and domain objects

In cases where the request must continue offline, in addition to sending the response, the server will notify the client that the command was received and processed, but that the requested action is not yet complete. Subsequently, the server notifies the client that the offline processing is complete.

Request and response examples will be shown for each command.

5.3 Structure of EPP requests and responses

Each request sent by the client contains the following elements:

- An initial standard

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
```

- An element that may be of two types:

- `<hello>`: to send a hello
- `<command>`: to send the request for any other transaction. This element, together with other elements of the command, also contains the following:
 - An optional `<extension>` which can be used for the extensions defined by the server to the requests of the commands
 - An optional `<clTRID>` (client transaction identifier) that can be used by the client to logically identify a transaction. It is an alphanumeric string with a minimum length 3 and maximum of 64 characters. Example: `<clTRID>ABC-12345</clTRID>`

- A final standard `</epp>`

Each response from the server contains the following elements:

- An initial standard header

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
```

- A number of different elements depending on the request received:
 - in response to an `<hello>` command:
 - a `<greeting>`
 - in response to any other command:
 - one or more `<result>` elements reporting the success or failure of the command requested. If the requested command has been completed successfully, there will only be one `<result>`. Conversely, in the event of failure, there may be multiple `<result>`.
 - Each `<result>` contains:
 - an attribute `code`: return code of the request (see Section 5.9);
 - `<msg>`: an element with a textual description of the return code in the language specified by the optional `lang`;
 - zero or more `<value>`: identifying the elements (including XML tag and value) included in the request that caused the error;
 - zero or more `<extValue>`: that can be used to provide additional diagnostic information, containing in turn:
 - `<value>`: which identifies an element (including XML tag and value) included in the request that caused the error;
 - `<reason>`: with a textual description of the reason for the error in the language specified by the optional `lang`;
 - `<msgQ>`: an optional element that describes the messages in the polling queue of the Registrar. If the polling queue is empty, `<msgQ>` must not be present. If the queue is not empty, `<msgQ>` must be present in response to a Poll Req and may be present in commands other than the query command of the queue (Poll Req). Each `<msgQ>` contains the following:
 - an attribute `count`, which is the number of messages in queue;
 - an `id` attribute, which uniquely identifies the message within the queue;
 - a `<qDate>`, in the response to the command Poll Req, which contains the date when the message was inserted in the queue;
 - a `<msg>`, in the response to the command Poll Req, which contains a textual description of the return code in the language specified by the optional `lang`.
- `<resData>`: an optional element that contains the specific elements of the response associated with the command requested.
- `<extension>`: an optional element that can be used for the extensions defined by the server in response to the commands.
- An optional `<trID>` (transaction identifier) which returns the possible `clTRID` assigned by the client in the request and a `svTRID` (server transaction identifier) always and uniquely assigned by the server.
- A final standard element `</epp>`

5.3.1 Example of a response with message in queue

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg lang="en">Command completed successfully</msg>
    </result>
    <msgQ count="1" id="227">
      <qDate>2008-02-21T14:20:00+01:00</qDate>
      <msg lang="en">DNS check ended successfully</msg>
    </msgQ>
    <trID>
      <svTRID>DE2377442201</svTRID>
    </trID>
  </response>
</epp>
```

5.4 Pending Actions

The EPP server of the Registry provides for three pending actions subsequent to a request being sent:

- Registering a domain name with DNS configuration validated
- Changing the DNS configuration of an existing domain name
- Changing the Registrar (with or without simultaneous change in the Registrant) of an existing domain name

There are no pending actions affecting transactions on the contacts.

The notification of completion of the pending (with success or failure) takes place via a message that the server includes in the "polling queue" (see Section 5.7).

Other notifications sent by the server to the client regard the status switches of domain objects after delays.

5.5 Charging and Billing

The implementation of the synchronous system of the Registry stipulates that the following transactions on domain names shall be billed:

- Registration of a new domain name
- Change of Registrar (with or without the simultaneous change of the Registrant)
- Recovery from redemption period (following a request for deletion)
- Maintenance (automatic renewal of a domain name registered in the Registry Database)

The first three transactions are requests made by the Registrar through the EPP protocol, while the fourth is performed by the Registry on the expiry of the period of validity of the domain name. In the event of a change of Registrar with a trade extension (change of the Registrar with the simultaneous change of the Registrant), the cost charged is only related to the change of the Registrar.

It is necessary to distinguish a charge for a transaction from its actual billing:

- **debit**, means the action of taking from the Registrar's credit, the cost of a transaction including any VAT. In order to keep the amount of the credit of the Registrar constantly updated, the transactions listed above are immediately debited.
- **invoicing/billing**, this means reporting such costs in an invoice sent to the Registrar.

The invoice contains all the transactions carried out by the Registrar in respect of a particular payment.

This separation is necessary since billing may not take place at the same time as charging. For example, for changes of the Registrar (case 2) and automatic renewal (case 4), charging and billing are not simultaneous:

- **automatic renewal:** if the domain name is in a status that permits it, the debit takes place at the expiry of the domain name. The billing, however, takes place on the expiry of the grace period - autoRenewPeriod. If during this period, the domain name is transferred to another Registrar or deleted, the cost of renewal is re-accredited to the Registrar and the renewal is not invoiced.
- **change of Registrar:** the debit of the transaction takes place at the time of the request to change the Registrar. Invoicing only occurs when the transaction is successful. If the transaction fails, the cost of the change of Registrar will be re-credited to the Registrar that made the request, and the transaction is not invoiced.

In cases 1 and 3 charging and billing take place at the same time.

5.6 Time Periods

For some status switches and for the management of certain information regarding the objects registered in the Registry Database (registrars, contacts, domains), the Registry's synchronous server refers to specific time periods which are listed below:

Name	Meaning	Unit	Value
DNS_HOLD_PERIOD	Maximum period in inactive/dnsHold	dd	30
PENDING_UPDATE_PERIOD	Maximum period in pendingUpdate	dd	5
REDEMPTION_PERIOD	Maximum period in pendingDelete/redemption period	dd	30
PENDING_TRANSFER_PERIOD	Maximum period in pendingTransfer	dd	5
AUTO_RENEW_PERIOD	Grace period after domain name automatical renewal	dd	15
PENDING_DELETE_PERIOD	Maximum period in pendingDelete/pendingDelete	dd	5 max
CHALLENGED_PERIOD	Maximum period in challenged	dd	180
REVOKED_PERIOD	Maximum period in inactive/revoked	dd	30
TO_BE_REASSIGNED_PERIOD	Maximum period in inactive/toBeReassigned	dd	30
NO_REGISTRAR_PERIOD	Maximum period in inactive/noRegistrar	dd	60
NOT_RENEWED_PERIOD	Maximum period in inactive/notRenewed	dd	30
UNLINKED_CONTACT_PERIOD	Maximum user disconnection time length	dd	60
BILLING_LOW_CREDIT_PERIOD	Time period used to calculate minimum credit threshold that a Registrar must have to maintain his own domains. The Registrar must have the credit needed to renew expiring domains from the current date for the given period of time	dd	15

BILLING_LOW_CREDIT_WARNING_PERIOD	Time period to calculate the date when the server will notify the client of credit about to go under the minimum threshold	dd	7
PASSWD_VALIDITY_PERIOD	Password validity period	dd	180
PASSWD_REMINDER_PERIOD	Time period to calculate the date when the server will notify the client of imminent expiry of password	dd	15
OLD_MESSAGE_PERIOD	Maximum message stay period in the polling queue	dd	60
RECENTLY_DELETED_DOMAINS_PERIOD	Minimum period during which it is not allowed to send to the production server a Create Domain request for a domain that can be registered once more after its deletion. The Create Domain request must be sent to a special server.	dd	7
ACCREDITATION_TEST_PERIOD	Maximum period for executing the accreditation test	min	60

5.7 Polling queue

The EPP protocol requires that the server informs the client of all the events that occur offline, with respect to the normal "request-response".

The client receives a notification through the insertion of messages in the Registrar's polling queue, for which the protocol makes available two commands:

- *Poll Req*: for consulting the first message in the queue (the oldest);
- *Poll Ack*: for removing a message identified by a specific ID from the queue.

The synchronous system server implements two classes of messages:

- *the first concerns the Registrar* i.e. those messages that relate to the authentication or the Registrar's credit;
- *the second concerns domain names of a Registrar* i.e. those messages that relate to actions started, currently under way, or completed on a particular domain name.

5.7.1 Messages concerning the Registrar

The table summarizes the messages that relate to the Registrar.

Event	Message
Registrar password is about to expire	Password will expire soon
Current credit is under the personal threshold set by the Registrar	Credit is under the threshold set by the Registrar
Low credit: minimum threshold very close	Low credit will be reached soon
Low credit: minimum threshold reached	Low credit: only auto renew and not invoiced operations are allowed
Credit ~ 0	Out of funds: only not invoiced operations are allowed

5.7.2 Messages concerning the domain names of a Registrar

The table summarizes the correspondences between the events of the EPP server and messages posted in the polling queue.

(ext = restore) indicates the request for recovery of a domain name from pendingDelete/redemptionPeriod, which, as an extension of the Update Domain command, is reported in detail in Section 3.11.3.

Event	Start status	Destination status	Message
Reception of a Create Domain	--	inactive/ <i>dnsHold</i>	dnsHold is started
DNS check OK	inactive/ <i>dnsHold</i>	ok	DNS check ended successfully
			DNS check ended successfully with warning
DNS check KO	inactive/ <i>dnsHold</i>	inactive/ <i>dnsHold</i>	DNS check ended unsuccessfully
Reception of an Update Domain for change host	inactive/ <i>dnsHold</i>	inactive/ <i>dnsHold</i>	--
Expiry dnsHold	inactive/ <i>dnsHold</i>	pendingDelete/ <i>pendingDelete</i>	dnsHold is expired
Reception of an Update Domain for change host	ok	pendingUpdate	pendingUpdate is started
DNS check OK	pendingUpdate	ok (new DNS configuration)	DNS check ended successfully
			DNS check ended successfully with warning
DNS check KO	pendingUpdate	ok (old DNS configuration)	DNS check ended unsuccessfully
Expiry pendingUpdate	pendingUpdate	ok (old DNS configuration)	pendingUpdate is expired
Reception of a Delete Domain	ok	pendingDelete/ <i>redemptionPeriod</i>	redemptionPeriod is started
	ok/ <i>autoRenewPeriod</i>		
Expiry redemptionPeriod	pendingDelete/ <i>redemptionPeriod</i>	pendingDelete/ <i>pendingDelete</i>	redemption Period is expired
	pendingDelete/ <i>redemptionPeriod/challenged</i>	inactive/ <i>toBeReassigned</i>	

Reception of an Update Domain (ext=restore)	pendingDelete/redemptionPeriod	ok	--
	ok/noRegistrar		
	inactive/noRegistrar		
Expiry pendingDelete	pendingDelete/pendingDelete	--	Domain has been deleted (for the Registrar that manages the domain name)
			Lost delegation (for the Registrars that manage those domain names whose nameservers are subordinate to the cancelled domain name)
Reception of a Transfer Domain (op=request)	ok	pendingTransfer	Domain transfer has been requested: pendingTransfer is started (for the Registrar that manages the domain name)
	ok/noRegistrar		
	inactive/noRegistrar		
	inactive/toBeReassigned		
	inactive/notRenewed		
Reception of a Transfer Domain (op=reject)	pendingTransfer	inactive/noRegistrar (if the transfer began in autoRenewPeriod and the domain name is not in autoRenewPeriod)	Domain transfer has been rejected (for the Registrar that requested the transfer)
		ok (if the transfer did not begin in autoRenewPeriod and the domain name is not in autoRenewPeriod)	
		ok/autoRenewPeriod (if the domain name is in autoRenewPeriod and credit > 0)	
		inactive/notRenewed (if credit = 0)	

Reception of a Transfer Domain (op=cancel)	pendingTransfer	inactive/noRegistrar (if the transfer began in autoRenewPeriod and the domain name is not in autoRenewPeriod)	Domain transfer has been cancelled (for the Registrar that manages the domain name)
		ok (if the transfer did not begin in autoRenewPeriod and the domain name is not in autoRenewPeriod)	
		ok/autoRenewPeriod (if the domain name is in autoRenewPeriod and credit > 0)	
		inactive/notRenewed (if credit = 0)	
Reception of a Transfer Domain (op=approve)	pendingTransfer	ok	Domain transfer has been executed (for the Registrar that requested the transfer)
			Domain transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name (for the Registrar that manages the domain name)
Expiry pendingTransfer	pendingTransfer	ok	Domain transfer is expired: transfer has been executed (for the Registrar that requested the transfer)
			Domain transfer is expired: transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name (for the Registrar that manages the domain name)
Reception of a Transfer Domain (op=request with ext. Trade)	ok	pendingTransfer	Domain and trade transfer has been requested: pendingTransfer is started (for the Registrar that
	ok/noRegistrar		
	inactive/noRegistrar		

	inactive/toBeReassigned		<i>manages the domain name)</i>
	inactive/notRenewed		
Reception of a Transfer Domain (op=reject) for Domain and Trade Transfer	pendingTransfer	inactive/noRegistrar <i>(if the transfer began in autoRenewPeriod and the domain name is not in autoRenewPeriod)</i>	Domain and trade transfer has been rejected <i>(for the Registrar that requested the transfer)</i>
		ok <i>(if the transfer did not begin in autoRenewPeriod and the domain name is not in autoRenewPeriod)</i>	
		ok/autoRenewPeriod <i>(if the domain name is in autoRenewPeriod and credit > 0)</i>	
		inactive/notRenewed <i>(if credit = 0)</i>	
Reception of a Transfer Domain (op=cancel) for Domain and Trade Transfer	pendingTransfer	inactive/noRegistrar <i>(if the transfer began in autoRenewPeriod and the domain name is not in autoRenewPeriod)</i>	Domain and trade transfer has been cancelled <i>(for the Registrar that manages the domain name)</i>
		ok <i>(if the transfer did not begin in autoRenewPeriod and the domain name is not in autoRenewPeriod)</i>	
		ok/autoRenewPeriod <i>(if domain is in autoRenewPeriod and credit > 0)</i>	
		inactive/notRenewed <i>(if credit = 0)</i>	
Reception of a Transfer Domain (op=approve) for Domain and Trade Transfer	pendingTransfer	ok	Domain and trade transfer has been executed <i>(for the Registrar that requested the transfer)</i>

				Domain and trade transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name <i>(for the Registrar that manages the domain name)</i>
Expiry pendingTransfer for Domain and Trade Transfer	pendingTransfer	ok		Domain and trade transfer is expired: transfer has been executed <i>(for the Registrar that requested the transfer)</i>
				Domain and trade transfer is expired: transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name <i>(for the Registrar that manages the domain name)</i>
Expiry domain name and credit > 0	ok		ok	autoRenewPeriod is started
	pendingUpdate		pendingUpdate	
	pendigTransfer		pendigTransfer	
	pendingDelete/redemptionPeriod		pendingDelete/redemptionPeriod	
Expiry domain name and credit = 0	ok		inactive/notRenewed	Not Renewed is started
Expiry domain name	ok/noRegistrar		inactive/noRegistrar	--
Expiry autoRenewPeriod	ok	autoRenewPeriod	ok	autoRenewPeriod is expired
	pendingUpdate		pendingUpdate	
	pendigTransfer		pendigTransfer	
	pendingDelete/redemptionPeriod		pendingDelete/redemptionPeriod	
Expiry toBeReassigned	inactive/toBeReassigned		pendingDelete	Reassignment is expired

Expiry revoked	inactive/revoked	pendingDelete		Revoke is expired
	inactive/revoked/challenged	inactive/toBeReassigned		
Expiry notRenewed	inactive/notRenewed	pendingDelete		Not Renewed is expired
	inactive/notRenewed/challenged	inactive/toBeReassigned		
Registrar is not active	--	ok/noRegistrar		No Registrar is started
Reception of a Transfer Domain (op=reject) for Domain and Trade Transfer (if the transfer began in autoRenewPeriod and the domain name is not in autoRenewPeriod)	pendingTransfer	inactive/noRegistrar		
Expiry noRegistrar	inactive/noRegistrar	pendingDelete		No Registrar is expired
	inactive/noRegistrar /challenged	inactive/toBeReassigned		
Credit refunded	inactive/notRenewed	ok (if the domain name is not in autoRenewPeriod)		Not Renewed is ended
		ok/autoRenewPeriod (if the domain name is in autoRenewPeriod)		
Revocation by the Registry	ok	inactive/revoked		Revoke is started
	pendingTransfer			
	pendingUpdate			
	pendingDelete/redemptionPeriod			
	ok/noRegistrar			
	inactive/noRegistrar			
	inactive/notRenewed			
Reception of a challenge request	ok	ok	challenged	Challenge procedure is started
	pendingTransfer	pendingTransfer		
	pendingUpdate	pendingUpdate		

	pendingDelete/ redemptionPeriod	pendingDelete/ redemptionPeriod		
	ok/noRegistrar	ok/noRegistrar		
	inactive/noRegistrar	inactive/noRegistrar		
	inactive/notRenewed	inactive/notRenewed		
Challenge procedure terminated	ok	challenged	ok	Challenge procedure is ended
	pendingTransfer		pendingTransfer	
	pendingUpdate		pendingUpdate	
	pendingDelete/ redemptionPeriod		pendingDelete/ redemptionPeriod	
	ok/noRegistrar		ok/noRegistrar	
	inactive/noRegistrar		inactive/noRegistrar	
	inactive/ notRenewed		inactive/ notRenewed	
Reception of a hold request from a Registrant	ok		inactive/serverHold	Hold by Registrant is started
Removal of hold by a Registrant	inactive/serverHold		ok	Hold by Registrant is ended
Reception of a hold request from a third party	ok		inactive/serverHold	Hold by third party is started
Removal of hold by a third party	inactive/serverHold		ok	Hold by third party is ended
Domain name is put in hold by the Registry	ok		inactive/serverHold	Hold by server is started
Removal of hold by the Registry	inactive/serverHold		ok	Hold by server is ended
Reception of a lock request from a Registrant	ok		ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited	Lock by Registrant is started
Removal of lock by a Registrant	ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited		ok	Lock by Registrant is ended

Reception of a lock request from a third party	ok	<i>ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited</i>	Lock by third party is started
Removal of lock by a third party	<i>ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited</i>	ok	Lock by third party is ended
Domain is put in lock by the Registry	ok	<i>ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited</i>	Lock by server is started
Removal of lock by the Registry	<i>ok/serverUpdateProhibited/serverDeleteProhibited/serverTransferProhibited</i>	ok	Lock by server is ended
Reception of a Delete Domain	<i>ok/autoRenewPeriod</i>	<i>pendingDelete/redemptionPeriod</i>	Refund renew for deleting domain in autoRenewPeriod
Domain Transfer ended successfully	<i>ok/autoRenewPeriod</i>	--	Refund renew for transferring domain name in autoRenewPeriod
Domain and Trade Transfer ended successfully	<i>ok/autoRenewPeriod</i>	--	Refund renew for transferring and trading domain name in autoRenewPeriod
Reception of a Transfer Domain (op=approve) for Domain Transfer	<i>ok/autoRenewPeriod</i>	ok	Refund renew for transferring domain to a registrar in autoRenewPeriod
Expiry pendingTransfer for Domain Transfer			
Reception of a Transfer Domain (op=approve) for Domain and Trade Transfer	<i>ok/autoRenewPeriod</i>	ok	Refund renew for transferring and trading domain to a registrar in autoRenewPeriod
Expiry pendingTransfer for Domain and Trade Transfer			
Reception of a Transfer Domain (op=approve) for Domain and Trade Transfer	<i>ok/autoRenewPeriod</i>	ok	Refund renew for transferring and trading domain to a registrar in autoRenewPeriod

Expiry pendingTransfer for Domain and Trade Transfer			
Expiry of autoRenewPeriod during pendingTransfer	pendingTransfer/autoRenewPeriod	pendingTransfer	Refund renew for autoRenewPeriod expired during pendingTransfer
Reception of a Transfer Domain (op=reject) for Domain Transfer	pendingTransfer	--	Refund domain transfer to a registrar for rejecting transfer
Reception of a Transfer Domain (op=reject) for Domain and Trade Transfer	pendingTransfer	--	Refund domain transfer and trade to a registrar for rejecting transfer
Reception of a Transfer Domain (op=cancel) for Domain Transfer	pendingTransfer	--	Refund domain transfer to a registrar for cancelling transfer
Reception of a Transfer Domain (op=cancel) for Domain and Trade Transfer	pendingTransfer	--	Refund domain transfer and trade to a registrar for cancelling transfer
Reception of a Restore Domain for expired domain	inactive/noRegistrar	ok	Debit renew for restoring expired domain in inactive/noRegistrar
		ok/autoRenewPeriod	
Reception of a Restore Domain for expired domain	pendingDelete/redemptionPeriod	ok	Debit renew for restoring expired domain in pendingDelete/redemptionPeriod
		ok/autoRenewPeriod	

5.7.3 Correspondence between messages and XML Schema

Below is the correspondence between a message, XML Schema and type within the schema.

Message	XML Schema	Type
Password will expire soon	extepp-1.0-1.0.xsd	extepp:passwdReminder
Credit is under the threshold set by the Registrar	extepp-1.0-1.0.xsd	extepp:creditMsgData
Low credit will be reached soon	extepp-1.0-1.0.xsd	extepp:creditMsgData

Low credit: only auto renew and not invoiced operations are allowed	extepp-1.0-1.0.xsd	extepp:creditMsgData
Out of funds: only not invoiced operations are allowed	extepp-1.0-1.0.xsd	extepp:creditMsgData
dnsHold is started	extdom-1.0.xsd	extdom:chgStatusMsgData
dnsHold is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
DNS check ended unsuccessfully	extdom-1.0.xsd	extdom:dnsErrorMsgData
DNS check ended successfully	extdom-1.0.xsd	extdom:chgStatusMsgData
DNS check ended successfully with warning	extdom-1.0.xsd	extdom:dnsWarningMsgData
pendingUpdate is started	extdom-1.0.xsd	extdom:chgStatusMsgData
pendingUpdate is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
redemptionPeriod is started	extdom-1.0.xsd	extdom:chgStatusMsgData
redemptionPeriod is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
pendingDelete is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Domain has been deleted	extdom-1.0.xsd	extdom:simpleMsgData
Lost delegation	extdom-1.0.xsd	extdom:dlgMsgData
autoRenewPeriod is started	extdom-1.0.xsd	extdom:chgStatusMsgData
autoRenewPeriod is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
Revoke is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Revoke is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
No Registrar is started	extdom-1.0.xsd	extdom:chgStatusMsgData
No Registrar is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
Reassignment is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
Not Renewed is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Not Renewed is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Not Renewed is expired	extdom-1.0.xsd	extdom:chgStatusMsgData
Challenge procedure is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Challenge procedure is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by registrant is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by third party is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by server is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by registrant is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by third party is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Hold by server is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Lock by registrant is started	extdom-1.0.xsd	extdom:chgStatusMsgData

Lock by third party is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Lock by server is started	extdom-1.0.xsd	extdom:chgStatusMsgData
Lock by registrant is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Lock by third party is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Lock by server is ended	extdom-1.0.xsd	extdom:chgStatusMsgData
Domain transfer has been requested: pendingTransfer is started	domain-1.0.xsd	domain:trnData
Domain transfer has been rejected	domain-1.0.xsd	domain:trnData
Domain transfer has been cancelled	domain-1.0.xsd	domain:trnData
Domain transfer has been executed	domain-1.0.xsd	domain:trnData
Domain transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name.	domain-1.0.xsd	domain:trnData
Domain transfer is expired: transfer has been executed	domain-1.0.xsd	domain:trnData
Domain transfer is expired: transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name.	domain-1.0.xsd	domain:trnData
Domain and trade transfer has been requested: pendingTransfer is started	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer has been rejected	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer has been cancelled	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer has been executed	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name.	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer is expired: transfer has been executed	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Domain and trade transfer is expired: transfer has been executed. You should therefore remove the records contained on your nameservers for such domain name.	domain-1.0.xsd extdom-1.0.xsd	domain:trnData extdom:trade
Refund renew for deleting domain in autoRenewPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefund MsgData
Refund renew for transferring domain to a maintainer in autoRenewPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefund MsgData
Refund renew for transferring and trading domain to a maintainer in autoRenewPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefund MsgData
Refund renew for transferring domain to a registrar in autoRenewPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefund MsgData

Refund renew for transferring and trading domain to a registrar in autoRenewPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund renew for autoRenewPeriod expired during pendingTransfer	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund domain transfer to a registrar for rejecting transfer	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund domain transfer and trade to a registrar for rejecting transfer	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund domain transfer to a registrar for cancelling transfer	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund domain transfer and trade to a registrar for cancelling transfer	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Debit renew for restoring expired domain in inactive/noRegistrar	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Debit renew for restoring expired domain in pendingDelete/redemptionPeriod	extdom-1.0.xsd	extedom:delayedDebitAndRefundMsgData
Refund renew for bulk transferring domains in autoRenewPeriod	extdom-1.0.xsd	extdom:refundRenewsForBulkTransferMsgData

5.8 Emails to the Registrant

The EPP server sends an email directly to the Registrant in the following cases:

- Registration of a domain name completed successfully
- Change of Registrant completed successfully (the mail is sent to both the old and the new Registrant)
- Change of the Registrar with the simultaneous change of the Registrant completed successfully (the mail is sent to both the old and the new Registrant)
- Change of the domain name to "noRegistrar" status

5.9 Return codes and reasons for errors

To be able to interact efficiently with the EPP server, it is necessary that the Registrar is aware of the return codes of the standard EPP and the reasons for rejection, which further specify return codes and relate to the EPP server.

The return codes are set out in Appendix C and the reasons in Appendix D.

5.10 Format of dates

For the "Date" fields of the contact and domain objects, the EPP protocol provides two formats:

- one that expresses the date in CUT (Coordinated Universal Time);
- one that expresses the local date by adding the difference in hours (offset), positive or negative, compared to the CUT.

The implementation of the Registry's synchronous system uses the second format:

yyyy-mm-dd 'T' hh:mm:ss+<offset>

where <offset> may take the following values:

- +01:00 - when DST is not applied

- +02:00 - when DST is applied

Example: 2008-07-07T15:13:18+02:00

5.11 Other parameters

The following table shows other parameters that may be useful for clients when interacting with the Registry's synchronous server.

Name	Meaning	Value
MIN_IP	Minimum IP addresses for each name server	1
MAX_IP	Maximum IP addresses for each name server	1
MIN_NS	Minimum name servers for each domain name	2
MAX_NS	Maximum name servers for each domain name	6
MIN_CONTACT_TECH	Minimum tech contacts for each domain name	1
MAX_CONTACT_TECH	Maximum tech contacts for each domain name	6
MIN_CONTACT_ADMIN	Minimum admin contacts for each domain name	1
MAX_CONTACT_ADMIN	Maximum admin contacts for each domain name	1
MAX_CMD	Maximum number of Check Domain commands for Registrar that can be sent daily to the epp.nic.it server	6000
	Maximum number of Check Domain commands for Registrar that can be sent daily to the epp-deleted.nic.it server	3000
	Maximum number of Create Domain commands for Registrar that can be sent daily to the epp-deleted.nic.it server	
MAX_CHECK	Maximum referred domain names/contacts for each Check Domain/Check contact command	5
MIN_PWAUTHINFO_LENGTH	Minimum lenght of the AuthInfo associated to the domain name	8
MAX_PWAUTHINFO_LENGTH	Maximum lenght of the AuthInfo associated to the domain name	32
MIN_PWUSER_LENGTH	Minimum lenght of the user password	6
MAX_PWUSER_LENGTH	Maximum lenght of the user password	16
USER_SESSIONS_LIMIT	Maximum contemporary active sessions for each Registrar	5
USER_SESSION_TIMEOUT	Session timeout in minutes	30

USER_IP_ADDRESSES	Maximum number of static IP addresses of clients per Registrar	5
-------------------	--	---

6 Appendix B - Commands for managing the work session

Before starting a working session with the Registry's EPP server, the Registrar must have requested the following information:

- EPP server address;
- name for login (<clID>);
- password to be used in the login (<pw>).

The Registrar must notify the Registry of the physical address of the machines that will host the Registrar's EPP clients.

A normal dialog between a client and the Registry's EPP server has the following sequence of actions:

- The client connects to the server via a secure SSL connection via HTTPS
- The server responds by identifying itself and presenting the commands and extensions that it supports
- The client logs in specifying name and password,
- The client periodically queries its polling queue to check and collect any messages from the server
- The client sends commands to the server, which responds immediately
- The client ends the session

Consequently, in addition to commands for querying and managing contacts (see Section 4.1) and domains (see Section 4.2), there are also commands for managing the connection and the polling queue (See Sections 4.3 and 5.7).

The EPP protocol provides three commands to manage a work session:

- login
- logout
- hello

6.1 Login

The *login* command is used by the client to start a working session with the EPP server. The following table displays the fields in the request for login:

Field	Description	XML Tag	XML Attribute Tag	Cardinality	Length	Notes
Registrar's ID	Unambiguous Registrar identifier	clID		1	1-16	Alphanumeric value given by Registry to Registrar
Password	Registrar's authentication password	pw		1	6-16	Alphanumeric value defined by Registrar
New Password	New authentication password of Registrar	newPW		0-1	6-16	Alphanumeric value defined by Registrar to change his own password

Server version	Currently active server version	version		1		Current server version is "1.0"
Language	Language chosen for server to client messages	lang		1		Allowed values: en (default), it
Objects namespace URI	URI of the namespaces of the standard EPP protocol that represent the objects that will be dealt with in the session	objURI		2		Allowed namespaces: contact-1.0, domain-1.0
Extension namespace URI	URI of the namespaces of the EPP protocol extensions	extURI		4		Allowed namespaces: extepp-1.0, extcon-1.0, extdom-1.0, rgp-1.0

The response to the Login contains the Registrar's available credit. This extension is not available for the version of the EPP server used for the accreditation test.

6.1.1 Example of login request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
<command>
<login>
  <clID>DEMO-REGISTRAR</clID>
  <pw>14nov07</pw>
  <options>
    <version>1.0</version>
    <lang>en</lang>
  </options>
  <svcs>
    <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
    <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
    <svcExtension>
      <extURI>http://www.nic.it/ITNIC-EPP/extepp-1.0</extURI>
      <extURI>http://www.nic.it/ITNIC-EPP/extcon-1.0</extURI>
      <extURI>http://www.nic.it/ITNIC-EPP/extdom-1.0</extURI>
      <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
    </svcExtension>
  </svcs>
</login>
</command>
</epp>
```

6.1.2 Example login request with password change

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
<command>
```

```

<login>
  <clID>DEMO-REGISTRAR</clID>
  <pw>14nov07</pw>
  <newPW>14mar64</newPW>
  <options>
    <version>1.0</version>
    <lang>en</lang>
  </options>
  <svcs>
    <objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
    <objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
    <svcExtension>
      <extURI>http://www.nic.it/ITNIC-EPP/extepp-1.0</extURI>
      <extURI>http://www.nic.it/ITNIC-EPP/extcon-1.0</extURI>
      <extURI>http://www.nic.it/ITNIC-EPP/extdom-1.0</extURI>
      <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
    </svcExtension>
  </svcs>
</login>
</command>
</epp>

```

6.1.3 Response with no debit

```

<?xml version="1.0" encoding="UTF-8" ?>
  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
    <response>
      <result code="1000">
        <msg lang="en">Command completed successfully</msg>
      </result>
      <trID>
        <svTRID>DE2377442201</svTRID>
      </trID>
    </response>
  </epp>

```

6.1.4 Response with debit

```

<?xml version="1.0" encoding="UTF-8" ?>
  <epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
    <response>
      <result code="1000">
        <msg lang="en">Command completed successfully</msg>
      </result>
      <extension>
        <extepp:creditMsgData
  xmlns:extepp="http://www.nic.it/ITNIC-EPP/extepp-1.0"
  xsi:schemaLocation="http://www.nic.it/ITNIC-EPP/extepp-1.0 extepp-
  1.0.xsd">
          <extepp:credit>48739.112</extepp:credit>
        </extepp:creditMsgData>
      </extension>
      <trID>
        <svTRID>DE4605050674</svTRID>
      </trID>
    </response>
  </epp>

```

6.2 Logout

The logout command is used by client to end a work session with the EPP server. The server, upon expiry of the timeout, may close a session opened with a client after persistent inactivity.

6.2.1 Logout request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0
epp-1.0.xsd">
<command>
  <logout/>
</command>
</epp>
```

6.3 Hello

The *hello* command is used for two different purposes and can be sent:

- before a login to query an EPP server on the services implemented and the objects manipulated by the EPP commands;
- during a working session to keep the session active and prevent the client from being disconnected due to timeout.

The hello command provides a single empty <hello>.

The server responds to a hello request with a <greeting> which contains all the information needed to start a working session:

- name of the server;
- current date of the server;
- current version of the server;
- languages;
- URI of the namespace of the EPP objects that can be manipulated;
- URI of the namespace of any extensions;
- a section, expressed by <dcg> (data collection policy), which lists the security policies implemented by the server for access and data management.

6.3.1 Hello request

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
<hello/>
</epp>
```

6.3.2 Greeting response of Registry's EPP server

```
<?xml version="1.0" encoding="UTF-8" ?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:ietf:params:xml:ns:epp-1.0 epp-1.0.xsd">
<greeting>
  <svID>NIC-IT EPP Registry</svID>
  <svDate>2008-02-22</svDate>
  <svcMenu>
    <version>1.0</version>
    <lang>en</lang>
```



```

<lang>it</lang>
<objURI>urn:ietf:params:xml:ns:contact-1.0</objURI>
<objURI>urn:ietf:params:xml:ns:domain-1.0</objURI>
<svcExtension>
  <extURI>http://www.nic.it/ITNIC-EPP/extepp-1.0</extURI>
  <extURI>http://www.nic.it/ITNIC-EPP/extcon-
1.0</extURI>
  <extURI>http://www.nic.it/ITNIC-EPP/extdom-
1.0</extURI>
  <extURI>urn:ietf:params:xml:ns:rgp-1.0</extURI>
  </svcExtension>
</svcMenu>
<dcp>
  <access>
    <all />
  </access>
  <statement>
    <purpose>
      <admin />
      <prov />
    </purpose>
    <recipient>
      <ours>
      </ours>
      <public />
    </recipient>
    <retention>
      <stated />
    </retention>
  </statement>
</dcp>
</greeting>
</epp>

```

7 Appendix C – Return codes

Below are the return codes submitted by the client to the EPP server that are adopted by the Registry's synchronous server. The codes and meanings are established by the EPP standard.

1000=Command completed successfully

Response to a command completed successfully.

1001=Command completed successfully; action pending

Response to a command completed successfully and notification that a consequent action must be carried out asynchronously by the server.

Example: response to the command Create Domain, which creates the domain and puts it in dnsHold awaiting the successful DNS configuration.

The same response occurs when the configuration of the name servers associated with a domain is changed by the command Update Domain (wait for the outcome of the control of the new DNS configuration).

1300=Command completed successfully; no messages

Response to a command Poll(with op=Request) completed successfully and notification that the polling queue contains NO messages.

1301=Command completed successfully; ack to dequeue

Response to a command Poll(with op=Request) completed successfully and notification that the polling queue contains at least one message.

1500=Command completed successfully; ending session

Response to a command Logout completed successfully.

2001=Command syntax error

Response to a command whose execution fails because a parameter (or a value of a parameter) inserted in the command is incorrect.

The same response occurs when the command is unknown to the server (i.e. it does NOT belong to the version of the EPP protocol implemented by the server).

2002=Command use error

Response to a command whose execution fails due to errors regarding the context and/or sequence of the commands.

Example: issue of any command when the session is not active or when the session is terminated, perform Login or Logout twice in succession or log out without first logging in.

2003=Required parameter missing

Response to a command whose execution fails because the required parameter is missing

2004=Parameter value range error

Response to a command whose execution fails because a "parameter" (a value of an xml) element in the command is not in the value range allowed.

2005=Parameter value syntax error

Response to a command whose execution fails because a "parameter" (a value of an xml) element in the command contains a syntax error.

Example: response to a Create Contact with an ID contact containing

characters not permitted.

2100=Unimplemented protocol version

Response to a Login command whose execution fails because a protocol version has been declared which is different from the one shown by the server.

2101=Unimplemented command

Response to a command whose execution fails because NOT implemented by the server.

Example: response to a Domain Renew.

2102=Unimplemented option

Response to a command whose execution fails because it uses an option (op) NOT implemented by the server.

2103=Unimplemented extension

Response to a command whose execution fails because it uses an extension NOT implemented by the server.

2104=Billing failure

Response to a command whose execution fails because it is NOT allowed by the Registrar's credit situation.

2106=Object is not eligible for transfer

Response to a Domain Transfer command (op:Request) whose execution fails because transfer for that domain is NOT allowed.

2200=Authentication error

Response to a command (typically Login) whose execution fails because the credentials supplied are NOT valid

2201=Authorization error

Response to a command whose execution fails because AuthInfo has not been supplied.

2202=Invalid authorization information

Response to a command whose execution fails because the AuthInfo supplied does NOT coincide with that associated with the domain.

2300=Object pending transfer

Response to a command whose execution fails because the domain is pending transfer.

2301=Object not pending transfer

Response to a command whose execution fails because the domain is NOT pending transfer.

2302=Object exists

Response to a creation command whose execution fails because the object already exists.

Example: the Create Contact of a contact already exists.

2303=Object does not exist

Response to a command whose execution fails because the object does NOT exist.

2304=Object status prohibits operation

Response to a command whose execution fails because of the current status of the object.

2305=Object association prohibits operation

Response to a command whose execution fails due to the associations that the object has with the other objects.

Example: attempt to delete a contact that is associated with one or more domains.

2306=Parameter value policy error

Response to a command whose execution fails due to the value of a parameter specified in the request that does NOT conform to system policy.

2308=Data management policy violation

Response to a command whose execution fails due to one or more parameters in the request which would violate the system's policies of data management.

Example: attempt to create a domain with a number of name servers that is lower than the minimum defined by the system policy.

2400=Command failed

Response to a command whose execution fails without termination of current session.

2500=Command failed; server ending session

Response to a command whose execution fails with termination of current session.

2502=Session limit exceeded; server closing connection

Response to a command whose execution fails because the maximum limit of simultaneous sessions per Registrar has been reached.

8 Appendix D - Reasons for errors

Below are the reasons used by the synchronous server of the Italian Registry detailing further the return codes reported in the previous section, numbered from 1000 to 2502.

The reasons are divided up by category:

- Reasons ≥ 4000 : generic errors
- Reasons ≥ 5000 : session errors
- Reasons ≥ 6000 : accounting errors
- Reasons ≥ 7000 : errors regarding the DNS configuration proposed in the Create Domain and Update Domain commands
- Reasons ≥ 8000 : Contact object errors
- Reasons ≥ 9000 : Domain object errors

The meaning of each reason is established by the Italian Registry and can be subject to change.

(2001=Command syntax error 4003=<The syntax error message coming from the XML parser>):
Response to any command whose execution fails because it is NOT syntactically correct.

(2002=Command use error 4004=Command has been already executed successfully in the accreditation test. This error does not affect the test result):
Response to any command submitted to the accreditation server whose execution fails because command has been already executed successfully in the accreditation test.

(2002=Command use error 4005=Unexpected command in accreditation test):
Response to any command submitted to the accreditation server whose execution fails because it is unexpected in the accreditation test.

(2002=Command use error 4006=Unexpected command in accreditation test - Test completed):
Response to any command submitted to the accreditation server whose execution fails because the test has been completed.

(2002=Command use error 4007=Command is prohibited on this server):
Response to a command Update/Delete/Transfer Domain whose execution fails because it has been submitted to the server dedicated to the registration of domain names deleted less than 7 days ago.

(2002=Command use error 4014=Login request was sent on a session already opened):
Response to a Login command whose execution fails because the command report a session ID associated with an opened session.

(2002=Command use error 4015=First request on a new session was not Login):
Response to any command, except Login and Hello, whose execution fails because the command has not been submitted on a opened session.

(2003=Required parameter missing 4011=Object URI missing):
Response to a Login command whose execution fails because an URI of

a required EPP object is missing.

(2003=Required parameter missing 4012=Extension URI missing):
Response to a Login command whose execution fails because an URI of a required extension is missing.

(2003=Required parameter missing 5001=Message ID missing):
Response to a command Poll (with op=Ack) whose execution fails because the command does NOT contain the ID message of the message to confirm.

(2003=Required parameter missing 8004=There is nothing to update):
Response to a command Update Contact whose execution fails because the <chg> parameter has NOT been specified or filled.

(2003=Required parameter missing 8019=Email address missing):
Response to a command Create Contact whose execution fails because the contact's email is missing.

(2003=Required parameter missing 8020=Consent for publishing missing):
Response to a command Create Contact whose execution fails because ConsentForPublishing has not been specified.

(2003=Required parameter missing 8022=Voice number missing):
Response to a command Create/Update Contact whose execution fails because <contact:voice> is missing or empty.

(2003=Required parameter missing 8023=Registrant: entity type missing):
Response to a command Create/Update Contact whose execution fails because <extcon:entityType> is missing or empty.

(2003=Required parameter missing 8025=Registrant: nationality code missing):
Response to a command Create/Update Contact whose execution fails because <extcon:nationalityCode> is missing.

(2003=Required parameter missing 8026=Registrant: reg code missing):
Response to a command Create/Update Contact whose execution fails because <extcon:regCode> is missing or empty.

(2003=Required parameter missing 8032=Postal information missing):
Response to a command Create Contact whose execution fails because <contact:PostalInfo> is missing.

(2003=Required parameter missing 8034=Postal information: name missing):
Response to a command Create/Update Contact whose execution fails because NO name has been specified in <contact:name>.

(2003=Required parameter missing 8035=Postal information: org missing):
Response to a command Create/Update Contact whose execution fails because <contact:org> is missing or empty.
NB: The org field is only mandatory if the contact is a Registrant with EntityType<>1.

(2003=Required parameter missing 8036=Postal information: addr missing):
Response to a command Create/Update Contact whose execution fails

because <contact:addr> is missing or empty.

(2003=Required parameter missing 8037=Postal information: street missing):

Response to a command Create/Update Contact whose execution fails because <contact:street> is missing or empty.

(2003=Required parameter missing 8039=Postal information: city missing):

Response to a command Create/Update Contact whose execution fails because <contact:city> is empty.

(2003=Required parameter missing 8040=Postal information: sp missing):

Response to a command Create/Update Contact whose execution fails because <contact:sp> is missing or empty.

(2003=Required parameter missing 8041=Postal information: pc missing):

Response to a command Create/Update Contact whose execution fails because <contact:pc> is missing or empty.

(2003=Required parameter missing 8042=Postal information: cc missing):

Response to a command Create/Update Contact whose execution fails because <contact:cc> is missing or empty.

(2003=Required parameter missing 8061=Contact: add element is empty):

Response to a command Update Contact whose execution fails because <add> does NOT contain anything to add (is empty).

(2003=Required parameter missing 8062=Contact: rem element is empty):

Response to a command Update Contact whose execution fails because <rem> does NOT contain anything to remove (is empty).

(2003=Required parameter missing 8064=Contact: chg element is empty):

Response to a command Update Contact whose execution fails because <chg> does NOT contain anything to change (is empty).

(2003=Required parameter missing 9016=Registrant missing):

Response to a command Create/Update Domain whose execution fails because <domain:registrant> has not been specified or is empty.

(2003=Required parameter missing 9019=There is nothing to update):

Response to a command Update Domain whose execution fails because <add>, <rem> or <chg> are missing and there is thus nothing to update.

(2003=Required parameter missing 9038=Domain: add element is empty):

Response to a command Update Domain whose execution fails because <add> does NOT contain anything to add (is empty).

(2003=Required parameter missing 9039=Domain: rem element is empty):

Response to a command Update Domain whose execution fails because <rem> does NOT contain anything to remove (is empty).

(2003=Required parameter missing 9040=Domain: chg element is

empty):

Response to a command Update Domain whose execution fails because `<chg>` does NOT contain anything to change (is empty).

(2003=Required parameter missing 9068=Authorization information missing in update domain):

Response to an Update Domain command of a domain name that requires a modification of the Registrant whose execution fails because the new `authInfo` is missing, or a simple modification that only involves a change of `authInfo`.

(2004=Parameter value range error 4002=Invalid values):

An element in a XML request has an invalid value.

(2004=Parameter value range error 5053=Property is mandatory):

An element in a XML request is a mandatory property.

(2004=Parameter value range error 7004=Host does not exist):

A name server reported in a XML request does non exist.

(2004=Parameter value range error 8012=Status to add has not "client" prefix):

Response to a command Update Contact for the addition of a status whose execution fails because the status to add does NOT have the prefix "client".

NB: only if the status to add is one of the valid ones (`serverDeleteProhibited`, `ok`, `linked`, etc..).

(2004=Parameter value range error 8013=Status to remove has not "client" prefix):

Response to a command Update Contact to remove a status whose execution fails because the status to remove does NOT have the "client".

NB: only if the status to remove is one of the valid ones (`serverDeleteProhibited`, `ok`, `linked`, etc..).

(2004=Parameter value range error 8021=Too many contact identifiers):

Response to a command Check Contact whose execution fails because the number of contacts specified in the command is higher than the maximum specified by system policy.

(2004=Parameter value range error 8024=Registrant: invalid entity type):

Response to a command Create/Update Contact whose execution fails because `<extcon:entityType>` contains an invalid value (out of range [1,...,7]).

(2004=Parameter value range error 8027=Registrant: invalid reg code):

Response to a command Create/Update Contact whose execution fails because `<extcon: regCode>` contains an invalid value.

(2004=Parameter value range error 8046=Email cannot be changed with an empty value):

Response to a command Update Contact whose execution fails because `<contact:email>` is empty.

(2004=Parameter value range error 8047=Voice cannot be changed with an empty value):

Response to a command Update Contact whose execution fails because `<contact:voice>` is empty.

(2004=Parameter value range error 8048=Postal information: invalid cc value):

Response to a command Create/Update Contact whose execution fails because <contact:cc> contains a country code (of 2 characters) that does NOT exist.

(2004=Parameter value range error 8049=Postal information: invalid sp value):

Response to a command Create/Update Contact whose execution fails because <contact:sp> contains an invalid value.

(2004=Parameter value range error 8050=Registrant: invalid nationality code):

Response to a command Create/Update Contact whose execution fails because <registrant:nationalityCode> a country code (of 2 characters) that does NOT exist.

(2004=Parameter value range error 8051=Registrant: nationality code is not allowed):

Response to a command Create/Update Contact whose execution fails because <registrant:nationalityCode> a country code (of 2 characters) that is NOT valid for the Registrant.

(2004=Parameter value range error 8059=Contact status is not implemented by the server):

Response to a command Update Contact whose execution fails because <contact:status> in the add section contains a status that is not implemented by the server.

(2004=Parameter value range error 8064=Registrant: entity type is not compatible with nationality code):

Response to a command Create/Update Contact whose execution fails because the value of <registrant:entityType> is not compatible with the value of <registrant:nationalityCode>.

(2004=Parameter value range error 8065=Postal information: invalid pc value):

Response to a command Create/Update Contact whose execution fails because the value of element <contact:pc> is not valid

(2004=Parameter value range error 9003=Contact does not exist):

Response to a command Create Domain whose execution fails because one or more contacts in the command do NOT exist.

(2004=Parameter value range error 9030=Status to add has not "client" prefix):

Response to a command Update Domain to add a status whose execution fails because the status to add does NOT have the "client" prefix.

NB: to have such a response, the status must in any case be one of those existing in the system: serverDeleteProhibited,inactive,etc.

(2004=Parameter value range error 9031=Status to remove has not "client" prefix):

Response to a command Update Domain to remove a status whose execution fails because the status to remove does NOT have the "client" prefix.

NB: to have such a response, the status must in any case be one of those existing in the system: serverDeleteProhibited,inactive,etc.

(2004=Parameter value range error 9049=Invalid length of authInfo element):

Response to a command whose execution fails because the length of the password of authInfo specified is greater than the maximum length specified by the system policy.

(2004=Parameter value range error 9050=Too many domain names):
Response to a command Check Domain whose execution fails because the number of domain names specified in the command is greater than the maximum specified by the system policy.

(2004=Parameter value range error 9067=New authorization information is current authorization information):
Response to a command Update Domain of a domain name that requests the modification of the Registrant whose execution fails because the new authInfo is the same as the current authorization.

(2004=Parameter value range error 9073=Domain status is not implemented by the server):
Response to a command Update Domain whose execution fails because <domain:status> in the add section contains a status not implemented by the server.

(2005=Parameter value syntax error 7001=Host name syntax error):
Response to a command Create/Update Domain whose execution fails because one or more hostnames in the command are NOT syntactically correct.

(2005=Parameter value syntax error 7003=IP address syntax error):
Response to a command Create/Update Domain whose execution fails because one or more IP addresses in the command are NOT syntactically correct.

(2005=Parameter value syntax error 8001=Contact ID syntax error):
Response to a command Create Contact whose execution fails because the contact ID specified in the command is NOT syntactically correct.

(2005=Parameter value syntax error 8018=Email address syntax error):
Response to a command Create/Update Contact whose execution fails because the Email specified is NOT syntactically correct.

(2005=Parameter value syntax error 8053=Voice number syntax error):
Response to a command Create/Update Contact whose execution fails because <contact:voice> specified is NOT syntactically correct.

(2005=Parameter value syntax error 8054=Fax number syntax error):
Response to a command Create/Update Contact whose execution fails because <contact:fax> specified is NOT syntactically correct.

(2005=Parameter value syntax error 8066=Voice extension syntax error):
Response to a command Create/Update Contact whose execution fails because the attribute x of <contact:voice> specified is NOT syntactically correct.

(2005=Parameter value syntax error 8067=Fax extension syntax error):
Response to a command Create/Update Contact whose execution fails because the attribute x of <contact:fax> specified is NOT syntactically correct.

(2005=Parameter value syntax error 9007=Domain name syntax error):

Response to a command to create a domain name whose execution fails because the domain name is NOT syntactically correct.

(2102=Unimplemented option 4008=Unsupported language):

Response to a Login command whose execution fails because the value of <lang> element is unsupported.

(2102=Unimplemented option 4009=Unsupported object URI):

Response to a Login command whose execution fails because the value of <objURI> element is unsupported.

(2102=Unimplemented option 4010=Unsupported extension URI):

Response to a Login command whose execution fails because the value of <extURI> element is unsupported.

(2102=Unimplemented option 9020=Unsupported transfer option):

Response to a command Domain Transfer whose execution fails because the option requested does NOT exist.

(2102=Unimplemented option 9086=Unsupported hostObj option):

Response to a command Domain Create whose execution fails because the hostObj option is NOT supported.

(2102=Unimplemented option 9087=Unsupported report option):

Response to a command Domain Update whose execution fails because the report option of rgp:update extension is NOT supported.

(2104=Billing failure 5054=Low credit: only auto renew and unbillable commands will be processed):

Response to a command (for a payment) whose execution fails because the residual credit of the Registrar is too low; it is only enough to renew the domain names maintained.

(2104=Billing failure 5055=Out of funds):

Response to a command (for a payment) whose execution fails because the Registrar is out of funds.

(2104=Billing failure 5056=Credit is going below threshold limit due to the operation cost):

Response to a command (for a payment) whose execution fails because the residual credit, due to the operation cost, will go under the low credit threshold.

(2106=Object is not eligible for transfer 9018=Destination client of the transfer operation is the domain name sponsoring client):

Response to a command Transfer Domain (with op:Request) whose execution fails because it has been submitted by the same Registrar who owns the domain name.

(2200=Authentication error 6002=Object does not exist):

Response to a Login command whose execution fails because the Registrar does not exist.

(2200=Authentication error 6003=Account expired):

Response to a Login command whose execution fails because the account is expired.

(2200=Authentication error 6004=Password expired):

Response to a Login command whose execution fails because the password is expired.

(2200=Authentication error 6005=Invalid username or password):
Response to a command Login whose execution fails because the username and / or password are incorrect.

(2200=Authentication error 6007=Account disabled):
Response to a command Login whose execution fails because the account has been disabled.

(2200=Authentication error 6008=Invalid new password):
Response to a Login command whose execution fails because the new password is not valid.

(2201=Authorization error 6001=Lack of permissions to process command):
Response to a command Info Contact whose execution fails because the contact requested in the command does NOT belong to the current Registrar even if the Registrar has specified an authInfo.

(2201=Authorization error 9051=Lack of permissions to view status of domain transfer request):
Response to a command Transfer Domain (with op=query) whose execution fails because the Registrar is NOT permitted to see the progress status of the transfer.

(2201=Authorization error 9053=Lack of permissions to cancel domain transfer request):
Response to a command Transfer Domain (op=cancel) whose execution fails because the Registrar is NOT permitted to cancel the transfer.

(2201=Authorization error 9071=Lack of permissions to approve domain transfer request):
Response to a command Transfer Domain (op=approve) whose execution fails because the Registrar is NOT permitted to approve the transfer.

(2201=Authorization error 9072=Lack of permissions to reject domain transfer request):
Response to a command Transfer Domain (op=reject) whose execution fails because the Registrar is NOT permitted to reject the transfer.

(2202=Invalid authorization information 9001=Authorization information missing):
Response to a command whose execution fails due to missing AuthInfo associated to the object referred to in the command.
Example: execution of the command Info Domain on a domain name that belongs to another Registrar without specifying the AuthInfo.

(2202=Invalid authorization information 9002=Invalid domain authorization information):
Response to a command that acts on a domain name whose execution fails due to the lack of correspondence between the AuthInfo associated with the domain name and that inserted in the command.
Example: execution of the command Info Domain on a domain name that belongs to another Registrar specifying incorrect AuthInfo.

(2301=Object not pending transfer 9054=Domain transfer not pending):
Response to a command Transfer Domain (op=query) whose execution fails because the domain name specified in the query has NEVER been involved in a transfer.

(2302=Object exists 8058= Contact is registered in the asynchronous system already exists):

Response to a command Create Contact whose execution fails because the contact specified already exists.

(2302=Object exists 8068=Contact is registered in the asynchronous system):

Response to a command Info Contact whose execution fails because the contact is registered in the asynchronous system.

(2302=Object exists 9042=Domain is registered):

Response to a command Create Domain whose execution fails because the domain name is registered. This reason is used also in the Check Domain response when the domain name is not available.

(2302=Object exists 9082=Domain is in pending create status in the asynchronous system):

Response to a command Create Domain whose execution fails because the domain name is in pending create in the asynchronous system. This reason is used also in the Check Domain response when the domain name is not available.

(2302=Object exists 9084=Domain is registrered in the asynchronous system):

Response to a command Transfer or Info Domain whose execution fails because the domain name is in pending create in the asynchronous system.

(2303=Object does not exist 5004=There are no messages in the queue):

Response to a command Poll (with op=Ack) whose execution fails because the queue does not contain any messages to confirm.

(2303=Object does not exists 9003=Contact does not exist):

Response to a command Info Contact whose execution fails because the contact in the command does NOT exist.

(2302=Object does not exists 9021=Domain is reserved):

Response to a command Create Domain whose execution fails because the domain name is reserved. This reason is used also in the Check Domain response when domain name is not available.

(2303=Object does not exist 9036=Domain does not exist):

Response to a command that refers to a domain does NOT exist.

Example: execution of an Info Domain.

(2303=Object does not exists 9043=Domain is unassignable):

Response to a command Create Domain whose execution fails because the domain name CANNOT be assigned. This reason is used also in the Check Domain response when the domain name is not available.

(2303=Object does not exists 9044=Domain is geographic):

Response to a command Create Domain whose execution fails because the domain name is geographical. This reason is used also in the Check Domain response when the domain name is not available.

(2304=Object status prohibits operation 8006=Contact has status clientDeleteProhibited):

Response to a command Delete Contact whose execution fails because the contact object has the status clientDeleteProhibited.

(2304=Object status prohibits operation 8007=Contact has status

serverDeleteProhibited):

Response to a command Delete Contact whose execution fails because the contact object has the status serverDeleteProhibited.

(2304=Object status prohibits operation 8008=Contact has status clientUpdateProhibited):

Response to a command Update Contact whose execution fails because the contact object has the status clientUpdateProhibited.

(2304=Object status prohibits operation 8009=Contact has status serverUpdateProhibited):

Response to a command Update Contact whose execution fails because the contact object has the status serverUpdateProhibited.

(2304=Object status prohibits operation 9022=Domain has status clientTransferProhibited):

Response to a command Domain Transfer (with op:Request) whose execution fails because the domain object has the status clientTransferProhibited.

(2304=Object status prohibits operation 9023=Domain has status serverTransferProhibited):

Response to a command Domain Transfer (with op:Request) whose execution fails because the domain object has the status serverTransferProhibited.

(2304=Object status prohibits operation 9024=Domain has status clientDeleteProhibited):

Response to a command Delete Domain whose execution fails because the domain object has the status clientDeleteProhibited.

(2304=Object status prohibits operation 9025=Domain has status serverDeleteProhibited):

Response to a command Delete Domain whose execution fails because the domain object has the status serverDeleteProhibited.

(2304=Object status prohibits operation 9026=Domain has status clientUpdateProhibited):

Response to a command whose execution fails because the domain object has the status clientUpdateProhibited.

Example: attempt to update the nameservers of a domain name with the Update Domain when in clientUpdateProhibited.

(2304=Object status prohibits operation 9027=Domain has status serverUpdateProhibited):

Response to a command whose execution fails because the domain object has the status serverUpdateProhibited.

Example: attempt to update the nameservers of a domain name with the Update Domain when in serverUpdateProhibited.

(2304=Object status prohibits operation 9045=Domain has status clientHold):

Response to a command whose execution fails because the domain object has the status clientHold.

Example: attempt to change the Registrant of a domain name (with the Update Domain) when in clientHold.

(2304=Object status prohibits operation 9047=Domain has status serverHold):

Response to a command whose execution fails because the domain object has the status serverHold.

(2304=Object status prohibits operation 9055=Domain has status ok):
Response to a command whose execution fails because the domain object has the status ok.

(2304=Object status prohibits operation 9056=Domain has status inactive):
Response to a command whose execution fails because the domain object has the status inactive.

(2304=Object status prohibits operation 9057=Domain has status dnsHold):
Response to a command whose execution fails because the domain object has the status dnsHold.

(2304=Object status prohibits operation 9058=Domain has status autoRenewPeriod):
Response to a command whose execution fails because the domain object has the status autoRenewPeriod.

(2304=Object status prohibits operation 9059=Domain has status pendingUpdate):
Response to a command whose execution fails because the domain object has the status pendingUpdate.

(2304=Object status prohibits operation 9060=Domain has status pendingTransfer):
Response to a command whose execution fails because the domain object has the status pendingTransfer.

(2304=Object status prohibits operation 9061=Domain has status noRegistrar):
Response to a command whose execution fails because the domain object has the status noRegistrar.

(2304=Object status prohibits operation 9062=Domain has status toBeReassigned):
Response to a command whose execution fails because the domain object has the status toBeReassigned.

(2304=Object status prohibits operation 9063=Domain has status challenged):
Response to a command whose execution fails because the domain object has the status challenged.

(2304=Object status prohibits operation 9064=Domain has status redemptionPeriod):
Response to a command whose execution fails because the domain object has the status redemptionPeriod.

(2304=Object status prohibits operation 9064=Domain has status serverHold):
Response to a command whose execution fails because the domain object has the status serverHold.

(2304=Object status prohibits operation 9065=Domain has status revoked):
Response to a command whose execution fails because the domain object has the status revoked.

(2304=Object status prohibits operation 9066=Domain has status pendingDelete):
Response to a command whose execution fails because the domain

object has the status pendingDelete.

(2304=Object status prohibits operation 9077=Domain has status notRenewed):

Response to a command whose execution fails because the domain object has the status notRenewed.

(2304=Object status prohibits operation 9081=Domain has status notRenewed):

Response to a command whose execution fails because the domain object is subjected to a bulk operation.

(2305=Object association prohibits operation 8005=Contact is associated with domains):

Response to a command Delete Contact whose execution fails because the contact object is still associated with one or more domain names.

(2306=Parameter value policy error 5002=Message ID is not allowed):

Response to a command Poll(with op=Req) whose execution fails because the <msgID> must NOT be specified in the command.

(2306=Parameter value policy error 5003=Message ID is not the ID of the first message in the queue):

Response to a command Poll(with op=Ack) whose execution fails because the ID of the message to remove from the queue (confirming reading) does NOT coincide with the one actually at the head of the queue.

(2306=Parameter value policy error 7002=Duplicate IP addresses):

Response to a command Create/Update Domain whose execution fails because the same IP address has been specified more than once for different hosts.

(2306=Parameter value policy error 7008=IP address to add already exists):

Response to a command Update Domain whose execution fails because an IP address has been specified that is already present in an existing host and which will not be removed with the same command.

(2306=Parameter value policy error 8002=Contact ID prefix not allowed):

Response to a command Create Contact whose execution fails because the contact ID specified contains an invalid prefix.

(2306=Parameter value policy error 8010=Duplicate statuses to add):

Response to a command Update Contact whose execution fails because the same status to add is inserted more than once in the command.

(2306=Parameter value policy error 8011=Duplicate statuses to remove):

Response to a command Update Contact whose execution fails because the same status to remove is inserted more than once in the command.

(2306=Parameter value policy error 8031=Postal information in international form is not allowed):

Response to a command Create/Update Contact whose execution fails because "int" PostalInfo has been specified.

NB: we only accept "loc" (local) addresses.

(2306=Parameter value policy error 8043=Postal information: name

cannot be changed for a Registrant with the entity type = 1):
Response to a command Update Contact for a Registrant (with EntityType=1) whose execution fails because in this case the <contact:name> field cannot be changed.

(2306=Parameter value policy error 8044=Postal information: org cannot be changed for a registrant):
Response to a command Update Contact for a Registrant whose execution fails because the <contact:org> field cannot be changed.

(2306=Parameter value policy error 8045=Postal information: cc cannot be changed for a registrant with the entity type <> 1):
Response to a command Update Contact for a Registrant (with EntityType=<>1) whose execution fails because the <contact:cc> cannot be changed.

(2306=Parameter value policy error 8056=Registrant: contact already present as registrant - update is prohibited):
Response to a command Update Contact for a Registrant whose execution fails because Registrant data cannot be changed once they have been set either via a Create Contact or Update Contact after a Create Contact.

(2306=Parameter value policy error 8057=Registrant: registrant with the entity type = 1 org and name are different):
Response to a command Create or Update Contact for a type 1 Registrant whose execution fails because the org and name fields are different.

(2306=Parameter value policy error 9004=Duplicate names of name server):
Response to a command Create/Update Domain whose execution fails because the same name server has been inserted several times.

(2306=Parameter value policy error 9008=Zone is not managed by the system):
Response to a command Create Domain whose execution fails because the domain name belongs to a zone that is NOT managed by the Registry.
Example: paperino.net

(2306=Parameter value policy error 9009=New registrant ID is current registrant ID):
Response to a command Update Domain (to modify Registrant) whose execution fails because the new Registrant submitted coincides with the current one.

(2306=Parameter value policy error 9037=Duplicate contacts):
Response to a command Create Domain whose execution fails because the same contact has been referred several times with the same role.
Example: creation of a domain name with the same two technical contacts.

(2308=Data management policy violation 5050=Command limit exceeded):
Response to a command whose execution fails because the limit of MAX_CMD parameter defined by the system policy, specified in the table at paragraph 5.11, has been exceeded.

(2308=Data management policy violation 7005=Too few IP addresses):
Response to a command Create/Update Domain whose execution fails

because (one or more of the name servers) have been specified with a number of IP addresses lower than the number defined by the system policy.

(2308=Data management policy violation 7006=Too many IP addresses):
Response to a command Create/Update Domain whose execution fails because one or more of the name servers) have been specified with a number of IP addresses higher than the number defined by the system policy.

(2308=Data management policy violation 7007=At least one v4 IP address for this host is required):
Response to a command Create/Update Domain whose execution fails because at least one IP v4 address has NOT been specified for a name server.

(2308=Data management policy violation 7009=IP V6 address currently unsupported):
Response to a command Create/Update Domain whose execution fails because one IP v6 address has been specified for a name server.

(2308=Data management policy violation 8014=Status to add is already associated with the contact):
Response to a command Update Contact for the addition of a status whose execution fails because the status to add is already associated with the contact.

(2308=Data management policy violation 8015=Status to remove is not associated with the contact):
Response to a command Update Contact for the removal status whose execution fails because the status to remove is NOT associated with the contact.

(2308=Data management policy violation 8017=Too many postal information elements in localized form):
Response to a command Create/Update Contact whose execution fails because a number of PostalInfo addresses have been inserted that is greater than the maximum defined by the system policy.

(2308=Data management policy violation 8029=Registrant: registrant with the entity type = 1 and admin are different):
Response to a command Create/Update Domain whose execution fails because the constraint of the Registrant (with entityType=1) coinciding with the admin contact (admin) of the domain name has not been respected.

(2308=Data management policy violation 8030=Contact is not a registrant):
Response to a command Create/Update Domain whose execution fails because the ID contact specified in <domain:registrant> is NOT in reality a Registrant.

(2308=Data management policy violation 8038=Postal information: too many streets):
Response to a command Create/Update Contact whose execution fails because a number of <contact:street> have been specified that is greater than the maximum number defined by the system policy.

(2308=Data management policy violation 8050=Contact is not sponsored by the registrar):
Response to a command whose execution fails because one or more contacts in the command belong to another Registrar.

Example: in the command Create Domain, Update Domain and also in the Update Contact.

(2308=Data management policy violation 8060=Registrant: registrant cannot be a minor):

Response to a command Create or Update Contact for a type 1 Registrant whose execution fails because the Registrant is a minor.

(2308=Data management policy violation 8069=Registrant: country code is not allowed):

Response to a command Create or Update Contact for a non type 1 Registrant (the country code always overrides the nationality code) or type 1 Registrant (if nationality code is not enabled then country code is considered) whose execution fails because country code is not enabled.

(2308=Data management policy violation 9005=Too few name servers):

Response to a command Create/Update Domain whose execution fails because the number of nameservers is lower than the minimum allowed by the system policy.

(2308=Data management policy violation 9006=Too many name servers):

Response to a command Create/Update Domain whose execution fails because the number of name server is greater than the maximum allowed by the system policy.

(2308=Data management policy violation 9010=At least one administrative contact is required):

Response to a command Create/Update Domain whose execution fails because the administrative contact has NOT been specified.

(2308=Data management policy violation 9011=Too few administrative contacts):

Response to a command Create/Update Domain whose execution fails because the number of administrative contacts is lower than the minimum allowed by the system policy.

(2308=Data management policy violation 9012=Too many administrative contacts):

Response to a command Create/Update Domain whose execution fails because the number of administrative contacts is greater than the maximum allowed by the system policy.

(2308=Data management policy violation 9013=At least one tech contact is required):

Response to a command Create/Update Domain whose execution fails because the technical contact has NOT been specified.

(2308=Data management policy violation 9014=Too few technical contacts):

Response to a command Create/Update Domain whose execution fails because the number of technical contacts is lower than the minimum allowed by the system policy.

(2308=Data management policy violation 9015=Too many technical contacts):

Response to a command Create/Update Domain whose execution fails because the number of technical contacts is greater than the maximum allowed by the system policy.

(2308=Data management policy violation 9028=Contact to add is already associated with the domain):

Response to a command Update Domain whose execution fails because

the contact to add is already associated with the domain name.

(2308=Data management policy violation 9029=Contact to remove is not associated with the domain):

Response to a command Update Domain whose execution fails because the contact to remove is NOT currently associated with the domain name.

(2308=Data management policy violation 9032=Status to add is already associated with the domain):

Response to a command Update Domain whose execution fails because the status to add is already associated with the domain name.

(2308=Data management policy violation 9033=Status to remove is not associated with the domain):

Response to a command Update Domain whose execution fails because the status to remove is NOT associated with the domain name.

(2308=Data management policy violation 9034=Name server to add is already associated with the domain):

Response to a command Update Domain whose execution fails because the name server to add is already associated with the domain name.

(2308=Data management policy violation 9035=Name server to remove is not associated with the domain):

Response to a command Update Domain whose execution fails because the name server to remove is NOT associated with the domain name.

(2308=Data management policy violation 9041=Update domain combination of status, name server and registrant is not allowed):

Response to a command Update Domain whose execution fails because simultaneous changes between any two of the following: status, name server and Registrant are not allowed.

(2308=Data management policy violation 9048=Name server to add is subordinate for the domain but has no IP addresses):

Response to a command Create/Update Domain whose execution fails because the nameserver to associate is subordinate for the domain name and has no IP address specified.

(2308=Data management policy violation 9070=Billing contacts prohibited):

Response to a command Create/Update Domain whose execution fails because the billing contacts have been specified.

(2308=Data management policy violation 9074=At least two name servers are required):

Response to a command Create Domain whose execution fails because no name server has been specified.

(2308=Data management policy violation 9078=Domain names deleted by less than 7 days must be registered on epp-deleted.nic.it (epp-deleted-pub-test.nic.it for test environment)):

Response to a command Create Domain whose execution fails because the domain name to create is deleted less than 7 days ago and the request has been sent to epp.nic.it (or pub-test.nic.it for test environment).

(2308=Data management policy violation 9079=Request for domain references an uncompleted contact.A mandatory field is empty or has a wrong value):

Response to any command requested on a domain name whose execution

fails because the requests references a contact with uncompleted data. The contact has been migrated from the asynchronous system and it should be normalized before being referred in a new acquisition done by the synchronous system.

(2308=Data management policy violation 9080=Request for domain references an uncompleted registrant.A mandatory field is empty or has a wrong value):

Response to any command requested on a domain name whose execution fails because the requests references a Registrant with uncompleted or wrong data. The Registrant has been migrated from the asynchronous system and it should be normalized before being referred in a new acquisition done by the synchronous system.

(2308=Data management policy violation 9083=Only domain names deleted by less than 7 days can be registered on this server):

Response to a command Create Domain whose execution fails because the domain name to create is NOT deleted less than 7 days ago and the request has been sent to epp-deleted.nic.it (epp-deleted-pub-test.nic.it for test environment).

(2400=Command failed 4000=Database error):

Response to a command whose execution fails due to an access to the database error. It is an error in the system and does NOT depend on the command sent by the client.

(2400=Command failed 4001=Concurrency error):

Response to a command whose execution fails due to concurrency problems on the EPP transaction.

(2400=Command failed 4013=Unexpected session ID inserted in Hello or Login request):

Response to a command Hello/Login whose execution fails (causing the ending of session) because the client has used in the request a session identifier before receiving it in the Greeting/Login response.

(2400=Command failed 5052=User IP address is not allowed):

Response to a command Login whose execution fails (causing termination of current session) because the client IP address is NOT allowed to integrate with the system.

(2400=Command failed 6006=Login command failed):

Response to a command Login whose execution fails because the username is incorrect.

(2502=Session limit exceeded; server closing connection 5051=Session opened limit exceeded):

Response to a command whose execution fails (causing termination of current session) because the maximum number of simultaneous sessions permitted by the system has been exceeded.

9 GLOSSARY

Accreditation	Verification of Registrar's technical ability to operate the synchronous system.
Debit	Withdrawal from Registrar's credit of the cost of transactions that can be invoiced, including any VAT. The cost of each transaction/operation is debited immediately so that the Registrar's credit is always up to date.
ASCII	7 bit code commonly used in computers.
Atomic (commands)	Commands for one specified action. EPPs are atomic commands - there are no successes or partial failures even if the related request may not terminate.
Authinfo	Authorization password used by Registrant in the synchronous system to request specific operations.
Bulk (Trasfer)	Transfer between two Registrars, or from one Registrar to one Maintainer, or from one Maintainer to one Registrar, of a considerable number of domain names.
Cardinality	Minimum or maximum value of definition options for a field.
ccTLD	country code Top Level Domain - a univocal ID tag for a nation on the basis of ISO-3166 (eg Italy = "it").
Client	Computer that accesses resources supplied by another computer (server) on a local network or on the Internet.
CNAME	Canonical name record - a record that defines an alternative name with which the same machine can be identified.
Command	One or more words in the operating system or in the management menu of programs that are digitized via the keyboard or activated using a mouse, which execute a particular operation.
DBNA	Database of Assigned Names, database maintained by the .it Registry, where all the data on domain names assigned by the ccTLD .it are managed.
Default	Preset value if user gives no specific value.
DNS Delegate	Through entering records in the respective files of the zone, allows the activation of a domain name on the Internet.
DNS	Domain Name System - a system used to convert domain names into IP addresses.
DUPn	Format used to duplicate ID contacts following a Transfer Domain.
EPP	Extensible Provisioning Protocol - synchronous client-server based on XML; in the implementation of the .it Registry it offers secure connections for managing objects linked to the registration and maintenance of domain names.
Extension	Sequence of alphanumeric characters that specifies a command.

Expire	Expiry date, for invoicing, of a domain name registered in the DBNA. It is automatically updated by the system at the end of the maintenance period of a domain name (one year).
First come first served	Chronological order in which requests are processed.
Working days	Monday through to Friday, excluding public holidays.
Glue record	IPv4 address - version 4 of the Internet protocol address.
gTLD	Univocal tag for the suffix of a tree of Internet domain names, of a generic type: the generic TLDs or gTLDs are made up of 3 or more characters, and can be subdivided into two kinds: "sponsored" TLDs (sTLDs) and "unsponsored" TLDs (uTLDs).
Host/Nameserver	Server that translates a network address into text in the corresponding numerical address - also known as DNS (Domain Name System). The nameserver can be subordinate or non subordinate to the associated domain name. For example, nameserver ns.example.it is subordinated to domain name example.it.
HTTPS	Secure HTTP protocol for access to web server.
Hybrid (operations)	Operations that involve both synchronous registration with the Registrars, and asynchronous with the Maintainers.
ICANN	Internet Corporation for Assigned Names and Numbers - a non-profit international organization responsible for Internet Protocol addresses, the protocol identifiers, managing Top-Level Domains, generic domains (gTLD) and the international code (ccTLD), as well as the root server. ICANN safeguards the operating stability of the Internet, promotes competition, widens the representation of the global community of the Internet and develops policies via participatory and consensual processes (http://www.icann.org).
ID	(= IDENTIFIER) Alphanumeric code that univocally identifies a contact ("registrant", "admin" and "tech") within the DBNA.
Implement	Design and develop a system
IP address	Univocally identifies a device connected to a computer network (eg the Internet) using the IP standard, in a stable way (static address) or irregular (dynamic address).
Internet	Network of calculators around the world that interconnect thousands of national and international networks that use TCP/IP protocol, thus allowing information to be exchanged between any type of computer.
IP	Internet Protocol - for interconnecting heterogeneous networks by technology, performance and management. The current version is also called IPv4 to distinguish it from the more recent IPv6 that was conceived so as to manage better the increasing number of computers connected to the Internet.
ISO 3166-1	Standard that provides codes for country domain names.

LAR	Letter of assumption of responsibility - document with which the Registrant assumes civil and legal responsibility for the domain name for which it has requested assignment.
Login	Authentication procedure via a username and password. In the EPP protocol it corresponds to a specific command to begin a work session.
Maintainers	Organizations that carry out asynchronous registrations of domain names on behalf of Registrants in compliance with the rules for assigning and managing domain names under the ccTLD .it.
Maintenance	Automatic renewal of a domain name registered in the Registry's database.
Change	Operation on a domain name registered in the DBNA, both by Registrants and Maintainers/Registrars.
Electronic form	Form sent by a maintainer to the Registry containing technical and other data needed to carry out registration and maintenance of domain names and/or objects related to them that are in the DBNA.
Multistatus	Status of a domain name on which several operations have taken place or are currently taking place.
Authoritative Nameserver	A nameserver "in possession of data" for a particular zone of the name tree, which can manage the files containing the information.
Domain name	Association between a public IP address and a string of characters to guarantee the consistency of the associations between IP addresses and domain names. Domain NameServers (DNS) convert the domain name into an IP address. A domain name is made up of several parts.
Object	A set of data that identifies an element (Domain, Registrant, Contact, Maintainer) inside the DBNA.
Parsing	Subdivision of the instructions of a program into their various components so that they can be interpreted by the compiler and transformed into executable commands.
Polling queue	The queue of all the messages that the client receives from the server. By querying their polling queue, Registrars can see some messages related to domain names, authentication, and credit level.
RAIN Portal	Area reserved for Maintainers within the website of the .it Registry.
Protocol	Set of rules and conventions followed in the transfer and receipt of data between two computers.

Extensible Protocol	The EPP is an extensible protocol since its validity extends to other types of standards.
PSRD	Organizations accredited by the Registry of the ccTLD .it for managing disputes regarding the reassignment of domain names in the ccTLD .it.
Query	Queries to the nameserver.
Reason for error	Reasons for error used by the Registry's synchronous server.
Record	Data structure, logically connected, that contains a set of fields that can be identified by a number or a name.
SOA Record	A Start Of Authority record defines the machine on which the primary nameserver is active for the domain name and some working parameters of the secondary nameservers.
MX Record	Mail Exchange - indicates which servers must be sent email for a certain domain name.
Reference	For Contact Objects indicates the correspondence between them and the ID contacts present in other Objects in the DBNA.
Registrars	Organizations that carry out synchronous registrations of domain names on behalf of Registrants following the rules for assignment and management of domain names under the ccTLD .it.
Registry	Organization responsible for assigning domain names and managing the registries and the primary nameservers for a TLD. It is delegated to this task directly by ICANN.
Registrant	Person or organization that requests the registration of a domain name and is then assigned that domain name.
Registration	Entering of a domain name into the DBNA.
RFC	Document that gives specifics regarding new research, innovation and methodologies in computer science and the Internet.
Server	Computer in a network that sends files to other computers in the network and that executes applications on their behalf.
MNT tag/tag	Maintainer tag.
REG tag/tag	Registrar tag.
SLD	Second Level Domain in the tree of Internet domain names under a TLD.

SMTP	Simple Mail Transfer Protocol - for exchanging email in a TCP/IP network
sTLD	sponsored Top Level Domain - the gTLDs managed by a sponsor that represents the community and which proves to have an affinity with it. The organization to which is delegated specific responsibilities regarding the management of a Registry in a sTLD, for example in policy formation regarding the operations of the TLD. An sTLD has a Charter approved by ICANN that defines its purpose and how the TLD must be managed.
Subordinate	Server or secondary host.
SSL	Secure Sockets Layer - cryptographic protocol that allows secure communication between two points in the network.
Stateful	In application protocols, such as EPP, it refers to the status of the communication session.
Status	Operating conditions of the current situation of an object and its possible future transitions.
Superordinate	In riferimento ad un nome a dominio, è il primo livello. With reference to a domain name, it is the first level.
URL	Universal Resource Locator - web page address, ie the address for a page in alphabetic form. The URL is transformed into an IP address by the DNS.
uTLD	unsponsored Top Level Domain - gTLDs that are not sponsored, eg “.com” or “.info”. They work directly following policies established by the global internet community and more specifically by ICANN.
Tag	Also used to name the code that marks the beginning and end of the entity in the said languages eg HTML, SGML and XML.
Random time	Time period in which a random event occurs.
TLD	Top Level Domain. Univocal identifier of the suffix of a tree of Internet domain names, immediately under the root, and thus also known as “First Level Domains”.
Update	Update.
URI	Uniform Resource Identifier - a string that univocally identifies a generic resource eg web address, document, image, file, service, email address. An URL is a URI, more commonly known as a web address.
UTC	Coordinated Universal Time (from the French Temps Universel Coordonné) known also as civil time, it is the reference time zone from which all the other time zones in the world are calculated. It coincides with the GMT with less infinitesimals.

XML	eXtensible Markup Language - a meta language for creating mark up languages for exchanging data between websites and applications that may be based on different systems. A mark up language uses particular markers (tags) to indicate the function of the various parts of the code (eg <tag attributes>content</tag>).
XML schema	Only language describing the content of an XML file that has reached the official (1.1) validation of the W3C.
Zone of the ccTLD.it	DNS master file of the ccTLD .it in which all the active delegates in the ccTLD .it are inserted.