EOI (Expression of Interest) and DomainApplication (Pre-Registration) Reference

Version 1.6
October 1, 2013

EOI and DomainApplication Manual 1.6
October 1, 2013

Table of Contents

1 INTRODUCTION

In the first quarter of 2012, ICANN opened the newTLD (new Top-Level-DomainApplication) window, thus allowing entities worldwide to apply for their own individual TLD.

The newTLDs have been classified into two (2) different categories:

1.) generic newTLDs
2.) geo newTLDs

At this point in time, you can submit EOIs (Expression of Interests) for the following newTLDs:

1. **generic newTLDs:**
.ACCOUNTANT, .ACTOR, .ADS, .ADULT, .AGENCY, .ANDROID, .APARTMENTS, .APP, .ARAB, .ARCHITECT, .ART, .ATTORNEY, .AUCTION, .AUDIO, .AUTHOR, .AUTO, .AUTOS, .BABY, .BAND, .BAR, .BARGAINS, .BASEBALL, .BASKETBALL, .BEAUTY, .BEER, .BEST, .BET, .BID, .BIKE, .BINGO, .BIO, .BLACKFRIDAY, .BLOG, .BLUE, .BOATS, .BOO, .BOOK, .BOUTIQUE, .BROADWAY, .BROKER, .BUILD, .BUSINESS, .BUY, .CAB, .CAFE, .CALL, .CAPITAL, .CAR, .CARE, .CAREER, .CARS, .CASA, .CASH, .CASINO, .CHANNEL, .CHARITY, .CHAT, .CHEAP, .CHRISTMAS, .CITY, .CLICK, .CLOUD, .CLUB, .COFFEE, .COMPUTER, .CONDOS, .CONSTRUCTION, .CONSULTING, .CONTACT, .COOKING, .COOL, .CORP, .COUPON, .COUPONS, .CPA, .CREDIT, .CRICKET, .CRUISE, .CRUISES, .DAD, .DANCE, .DATA, .DATE, .DATING, .DEAL, .DEALS, .DESIGN, .DEV, .DIET, .DIGITAL, .DIRECT, .DISCOUNT, .DOCTOR, .DOG, .DOWNLOAD, .EARTH, .ECO, .ENERGY, .ENGINEER, .ENGINEERING, .EVENTS, .EXCHANGE, .EXPERT, .FAIL, .FAITH, .FAMILY, .FAN, .FANS, .FASHION, .FEEDBACK, .FILM, .FINANCE, .FINANCIAL, .FISH, .FISHING, .FIT, .FITNESS, .FLIGHTS, .FLOWERS, .FLY, .FOO, .FOOD, .FOOTBALL, .FORSALE, .FORUM, .FREE, .FUN, .FUND, .FURNITURE, .GALLERY, .GAME, .GAMES, .GARDEN, .GAY, .GIFT, .GIFTS, .GLOBAL, .GMBH, .GOLF, .GRAPHICS, .GRATIS, .GREEN, .GROCERY, .GROUP, .GUIDE, .GUITARS, .HAIR, .HEALTH, .HELP, .HERE, .HIV, .HOCKEY, .HOLIDAY, .HOME, .HOMES, .HORSE, .HOSTING, .HOT, .HOTEL, .HOTELS, .HOUSE, .IMMOBILIEN, .INC, .ING, .INK, .INSURANCE, .INVESTMENTS, .JEWELRY, .KAUFEN, .KIDS, .KITCHEN, .KIWI, .LAND, .LATINO, .LAW, .LAWYER, .LEASE, .LEGAL, .LIFE, .LINK, .LIVE, .LIVING, .LLC, .LLP, .LOAN, .LOANS, .LOL, .LOVE, .LTD, .LUXURY, .MAIL, .MANAGEMENT, .MAP, .MARKET, .MARKETING, .MED, .MEDIA, .MEET, .MEMORIAL, .MLS, .MOBILE, .MOE, .MOM, .MONEY, .MORTGAGE, .MOTORCYCLES, .MOVIE, .MUSIC, .NETWORK, .NEW, .NEWS, .NGO, .NINJA, .NOW, .ONE, .ONLINE, .OPEN, .ORGANIC, .PAGE, .PARTY, .PAY, .PET, .PHD,

.PHONE, .PHOTO, .PHOTOGRAPHY, .PHOTOS, .PHYSIO, .PICS, .PICTURES, .PIZZA, .PLACE, .PLAY, .PLUS, .POKER, .PORN, .PRESS, .PROD, .PRODUCTIONS, .PROMO, .PROPERTIES, .PROPERTY, .PUB, .RACING, .RADIO, .REALESTATE, .REALTOR, .REALTY, .REHAB, .REISE, .RENT, .RENTALS, .REPAIR, .REPORT, .RESTAURANT, .REVIEW, .REVIEWS, .RIP, .ROCKS, .SALE, .SALON, .SAVE, .SCHOOL, .SCIENCE, .SCOT, .SEARCH, .SECURE, .SECURITY, .SERVICES, .SEX, .SEXY, .SHOES, .SHOP, .SHOW, .SITE, .SKI, .SOCCER, .SOCIAL, .SOLAR, .SPA, .SPACE, .SPORT, .SPORTS, .STORE, .STUDIO, .STYLE, .SUCKS, .SUPPORT, .SURF, .SWISS, .TALK, .TAXI, .TEAM, .TECH, .TENNIS, .TERRA, .THEATER, .TOUR, .TOURS, .TRADE, .VACATIONS, .VIAJES, .VIP, .VODKA, .VOTE, .WATCHES, .WEATHER, .WEB, .WEBCAM, .WEBSITE, .WEDDING, .WIKI, .WINE, .WTF, .WORLD, .WOW, .YACHTS, .YOGA, .YOU, .ZIP

2. **geo newTLDs:**
.ABUDHABI, .AFRICA, .AMSTERDAM, .BARCELONA, .BAYERN, .BCN, .BERLIN, .BOSTON, .BRUSSELS, .BUDAPEST, .CAPETOWN, .COLOGNE, .CYMRU, .DUBAI, .DURBAN, .EUS, .GAL, .GENT, .HAMBURG, .HELSINKI, .IST, .ISTANBUL, .JOBURG, .KOELN, .KYOTO, .LONDON, .MADRID, .MELBOURNE, .MIAMI, .MOSCOW, .NAGOYA, .NRW, .NYC, .OKINAWA, .OSAKA, .PARIS, .QUEBEC, .ROMA, .RUHR, .RYUKYU, .SAARLAND, .SCOT, .STOCKHOLM, .SYDNEY, .TAIPEI, .TIROL, .TOKYO, .VEGAS, .VLAANDEREN, .WALES, .WIEN, .YOKOHAMA, .ZUERICH

3. **idn newTLDs:**
.москва .ком .орг .онлайн .сайт .닷넷 .コム .みんな .网站 .點看 .新闻 .游戏 .移动 .网店 .世界 .商店 .网址 .大拿 .中文网 .信息 .购物 .点看 .在线 .机构体制 .机构 .คอม .कॉम .नेट .קוֹם .موقع .كوم .بازار .شبكة .ابوظبي .संगठन

The above list of newTLDs is not yet final. Depending on the respective Policies of the specific TLD we may be forced to remove the respective nTLD from our DomainApplication product.

If and when a newTLD is approved by ICANN and the TLD is placed in the Internet's Root (required for a TLD's domains to resolve on the Internet), one can choose to convert an EOI into a standard DomainApplication or to delete the EOI completely.

1.1 What is an EOI and a DomainApplication

An EOI for a domain is a free and non-binding Expression of Interest,

informing the service provider that the user has interest in a domain name and would like timely information and alerts sent to them. The EOI process was created only for newTLDs as details for many if not most of the newTLDs are still pending. If and when any newTLD gets entered into the Internet's Root, detailed information on that newTLD's respective launch phases (Sunrise A, Sunrise B, Landrush and Go Live, …etc) will be immediately provided, as well as, information on how to convert an EOI into a standard DomainApplication.

A DomainApplication is exactly the same as a standard pre-registration and goes through the regular deposit/billing cycle. Users may delete a DomainApplication up to 48 hours prior to its submission without being charged.

1.2 Prepaid Deposits and Refunds for EOIs / DomainApplications

EOIs are free-of-charge and can be deleted at any point in time. EOIs that are converted into DomainApplications must then follow the standard deposit/billing cycle for DomainApplications for proper submission of an application.

DomainApplications deposits are withdrawn from user's accounts approximately two (2) weeks prior to their submission dates. Again, deposits are used to ensure funds are available to properly register a DomainApplication in the event it is successful.

Please ensure user account balances are properly funded to cover all pending DomainApplications, otherwise some or all DomainApplication requests will **NOT** be processed.

If a DomainApplication can not be submitted to the registry, reserved deposits are then automatically returned to the respective users account balances.

1.3 Multiple DomainApplications for the Same Domain Name

Some DomainApplications will be first-come-first-served while others will not. In the event that domains with multiple DomainApplications on them go to auction, a PRIVATE Auction which will be conducted by

PremiumSale.com. Private auctions at PremiumSale.com are only for those users that originally placed a DomainApplication on the respective domain prior to submission.

1.4 PremiumSale.com for Domain Auctions

PremiumSale.com manages all invitations, registrations, auction proceedings, payment, and even notifications for resellers. For more information on private auctions or on the auction company, please visit www.premiumsale.com.

1.5 Processing of a DomainApplication After Successful Registration

DomainApplications with a single request that are successfully registered by the registration system, will be placed in the reseller's account automatically. Those DomainApplications requiring an auction for settling ownership, the domain will be placed in the reseller's account or the reseller's customer at the conclusion of the auction.

2 WORKFLOW AND PROCESSES

2.1 EOI / DomainApplication Life Cycle

As the EOI is free-of-charge and a non-binding, there is no life cycle for EOIs. The status of an EOI will always be 'REQUESTED'.

The initial status of a DomainApplication will either be 'REQUESTED' or 'INCOMPLETE' no matter if it was newly created or converted from an EOI.

INCOMPLETE:
A submission of a DomainApplication with status 'INCOMPLETE' is not possible. There will be no attempt to withdraw a deposit for a DomainApplication with status 'INCOMPLETE'. Further information has to be provided in order to change the status to 'REQUESTED'.

REQUESTED:
All required parameters have been completed. The next step will be the withdrawal of a deposit approximately two (2) weeks prior to the submission in order to ensure funds are available to properly register the DomainApplication in the event it is successful. If the deposit was withdrawn successfully the status will change to 'ACTIVE'. If the domain application stays in status 'REQUESTED' the reason may be insufficient funds.

ACTIVE:
The DomainApplication is ready for submission. A deletion of a DomainApplication with status 'ACTIVE' will automatically cause the reserved deposit to be released to the respective users account balances.

PROCESSING:
Approx. 48 hour prior to submission the status of the DomainApplication changes to 'PROCESSING'. The submission is now being prepared and it is not possible to modify the DomainApplication any more. A deletion with refund is no longer permitted.

PENDING:
The DomainApplication was submitted successfully to the registry. This is no indication of a successful domain application. The DomainApplication can stay in status 'PENDING' until further information from the registry is received. The status of the DomainApplication can change to either 'SUCCESSFUL', 'FAILED', or 'AUCTION-PENDING'.

SUCCESSFUL:
The domain application was successful and the respective domain has been assigned to your user account.

FAILED:
The domain application was not successful.

AUCTION-PENDING:
There were multiple domain applications for the same domain and the domains were not allocated on a first-come-first-served basis. The domain will be auctioned in a private auction only for those users that originally placed a DomainApplication on the respective domain prior to submission.

AUCTION-WON:
The auction was won

AUCTION-LOST:
The auction was lost

2.2 Application Class

The application class has to be stated when creating an EOI/DomainApplication. It is also required in order to enable EOIs/DomainApplications for subusers, as well as when converting an EOI into a DomainApplication.

For EOIs the application class usually consists of the respective TLD followed

by '_EOI'.

Examples of application classes of EOIs:

```
CLASS = WEB_EOI
CLASS = BERLIN_EOI
```

If you create a new EOI through the API the preceding TLD in the application class may be omitted as the system will automatically extend it depending on the respective TLD:

Simplified application class:

```
CLASS = EOI
```

For DomainApplications the application class usually consists of the respective TLD followed by a '_' and the desired launch phase. Typical launch phases are SUNRISE1, SUNRISE2, SUNRISE3, LANDRUSH, GOLIVE.

Examples of application classes of DomainApplications:

```
CLASS = SX_GOLIVE
CLASS = WEB_LANDRUSH
CLASS = BERLIN_SUNRISE1
```

Depending on the respective registry some launch phases may not ne supported or additional launch phases may be offered. The TLD can be omitted when creating new DomainApplications or converting EOIs into DomainApplications. The system will automatically extend the application class based on the respective TLD.

Examples of simplified application classes:

```
CLASS = SUNRISE1
CLASS = LANDRUSH
CLASS = GOLIVE
```

Please note: The simplified application class must not be used when enabling EOIs for subusers or when managing price relations for DomainApplications for subusers (see below).

2.3 Enable EOIs/DomainApplications for Subusers

If you manage subusers you can enable EOIs for your subusers by TLD. The following relation has to be defined and set to 0.00 for each TLD that you want to enable:

```
PRICE_CLASS_DOMAIN_<APPLICATIONCLASS>_SETUP:0.00
```

Examples of EOI Relations:

```
PRICE_CLASS_DOMAIN_WEB_EOI_SETUP:0.00
PRICE_CLASS_DOMAIN_BERLIN_EOI_SETUP:0.00
```

If you do not manage subusers, all EOIs are enabled for your account by default.

If you manage subusers you can also enable DomainApplications for your subusers on a TLD basis and set the respective fees for your subusers. A DomainApplication requires usually a set of four relations:

Relation set for DomainApplications:

```
PRICE_CLASS_DOMAIN_<APPLICATIONCLASS>_SETUP
PRICE_CLASS_DOMAIN_<APPLICATIONCLASS>_ANNUAL
PRICE_CLASS_DOMAIN_<APPLICATIONCLASS>_APPLICATION
PRICE_CLASS_DOMAIN_<APPLICATIONCLASS>_CURRENCY
```

If PERIOD is the requested registration period in years the total fee is calculated as:

```
TOTAL FEE = SETUP + (PERIOD * ANNUAL) + APPLICATION
```

SETUP is a one-time fee, which will only be charged if the DomainApplication is successful.

ANNUAL is the annual fee, which will only be charged if the DomainApplication is successful.

APPLICATION is a non-refundable one-time fee, which will be charged for the successful submission to the registry. Most registries do not charge this fee

Example of a relation set for .SX GoLive DomainApplications:

```
PRICE_CLASS_DOMAIN_SX_GOLIVE_SETUP:0.00
PRICE_CLASS_DOMAIN_SX_GOLIVE_ANNUAL:24.00
PRICE_CLASS_DOMAIN_SX_GOLIVE_APPLICATION:0.00
PRICE_CLASS_DOMAIN_SX_CURRENCY:USD
```

2.4 Creating a New EOI

To create a new EOI, simply use the command below:

```
COMMAND = AddDomainApplication
CLASS = EOI

Optional Parameters:
    AUTH = <AUTHCODE>
    OWNERCONTACT0 = <CONTACTHANDLE>
    ADMINCONTACT0 = <CONTACTHANDLE>
    TECHCONTACT0 = <CONTACTHANDLE>
    BILLINGCONTACT0 = <CONTACTHANDLE>
    NAMESERVER0 = <NAMESERVER>
    NAMESERVER1 = <NAMESERVER>
    NAMESERVER2 = <NAMESERVER>
```

Parameters used for this command are very similar to the parameters used for creating a new registration via AddDomain, however, in the case of an EOI, most parameters are optional as well as the periods are ignored.

A newly created EOI will have the status REQUESTED and a unique APPLICATION ID.

```
STATUS – REQUESTED
APPLICATION – 3723
```

2.5 Status of an EOI

As an EOI is free of charge and a non-binding expression of interest it will always have the status REQUESTED:

```
COMMAND = StatusDomainApplication
APPLICATION = 3723
```

```
STATUS = REQUESTED
```

2.6 Modifying an EOI

Auth code, contact handles and name servers that can be assigned to an EOI or can be changed for any EOI at any point in time:

```
COMMAND = ModifyDomainApplication
APPLICATION = 3723
AUTH = <AUTHCODE>
OWNERCONTACT0 = <CONTACTHANDLE>
ADMINCONTACT0 = <CONTACTHANDLE>
TECHCONTACT0 = <CONTACTHANDLE>
BILLINGCONTACT0 = <CONTACTHANDLE>
NAMESERVER0 = <NAMESERVER>
NAMESERVER1 = <NAMESERVER>
NAMESERVER2 = <NAMESERVER>
```

2.7 Converting an EOI into a DomainApplication

If a newTLD is approved by ICANN and further information about the respective newTLD and the different launch phases is available, it will be possible to convert an EOI into a standard DomainApplication. This is also done with the ModifyDomainApplication command:

```
COMMAND = ModifyDomainApplication
APPLICATION = 3723
CLASS = LANDRUSH
```

Depending on the requirements the status will either stay 'REQUESTED' or change to 'INCOMPLETE'.

```
STATUS – REQUESTED
```

or

```
STATUS – INCOMPLETE
```

Please note that a submission of DomainApplications with status 'INCOMPLETE' is not possible. In that case further information has to be provided in order to change the status to 'REQUESTED'.

2.8 Deleting an EOI

An EOI can be deleted at any point in time with the DeleteDomainApplication command:

```
COMMAND = DeleteDomainApplication
APPLICATION = 3723
```

2.9 Creating a New DomainApplication

A new DomainApplication requires domain name, application class, period, and contact handles:

```
COMMAND =AddDomainApplication
CLASS = SX_GOLIVE
DOMAIN = example.sx
PERIOD = 1Y
OWNERCONTACT0 = <CONTACTHANDLE>
ADMINCONTACT0 = <CONTACTHANDLE>
TECHCONTACT0 = <CONTACTHANDLE>
BILLINGCONTACT0 = <CONTACTHANDLE>

Optional:
NAMESERVER0 = <NAMESERVER>
NAMESERVER1 = <NAMESERVER>
NAMESERVER2 = <NAMESERVER>
```

2.10 Status of a DomainApplication

A domain application can have a different status depending on the circumstances. The current status of a DomainApplication can be queried with the StatusDomainApplication command:

```
COMMAND = StatusDomainApplication
APPLICATION = 4678
```

```
STATUS – REQUESTED
```

The meaning of the different status values for DomainApplications is described below:

INCOMPLETE - required parameters are missing, submission not possible
REQUESTED - required parameters complete, deposit not yet withdrawn or not enough credit
ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
PROCESSING - submission has been prepared, waiting for submission
PENDING - application has been submitted
SUCCESSFUL - domain application was successful
FAILED - domain application was not successful
AUCTION-PENDING - multiple domain applications are being auctioned
AUCTION-WON - auction was won
AUCTION-LOST - auction was lost

2.11 Modifying a DomainApplication

DomainApplications can be modified up to 48 hours prior to their submission. Auth code, contact handles and name servers that can added or modified:

```
COMMAND = ModifyDomainApplication
APPLICATION = 4678
OWNERCONTACT0 = (CONTACT)
ADMINCONTACT0 = (CONTACT)
TECHCONTACT0 = (CONTACT)
BILLINGCONTACT0 = (CONTACT)
NAMESERVER0 = (NAMESERVER)
NAMESERVER1 = (NAMESERVER)
NAMESERVER2 = (NAMESERVER)
```

2.12 Deleting a DomainApplication

DomainApplications can be deleted without charge up to 48 hours prior to their submission.

```
COMMAND = DeleteDomainApplication
APPLICATION = 4678
```

3 API REFERENCE

This API command reference below details the API commands for the EOI / DomainApplication Service. The API itself is NOT object oriented but is objected related and can be encapsulated into various Object-Oriented languages.

Please adhere to the following BOX COLORS:

GREEN – Request and Response Parameters
BLUE – Example Command Use
GREY – EPP Request and Response if Applicable

3.1 COMMAND - Create an EOI/DomainApplication

Request Parameters:

Required:
        COMMAND = AddDomainApplication
        CLASS = EOI
        DOMAIN = <DOMAIN NAME>

Optional:
        AUTH = AUTH code for the domain name **(**NOTE 1**)**
        OWNERCONTACT0 = contact handle ID of registrant
        ADMINCONTACT0 = contact handle ID of the administrative contact
        TECHCONTACT0 = contact handle ID of the technical contact
        BILLINGCONTACT0 = contact handle ID of the billing contact
        NAMESERVER0 = nameserver #1
        NAMESERVER1 = nameserver #2
        ...
        NAMESERVER12 = nameserver #13

Note:
(1) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for this domain

Response Parameters:

Parameters:
> CLASS = application class (syntax: <TLD>_EOI)
> APPLICATION = unique application ID
> STATUS = application status (NOTE 1)
> DOMAIN = domain name
> USER = user id the DomainApplication is assigned to
> PEERUSER = User ID hierarchy (tree) that DomainApplication is assigned to
> CREATEDDATE = application created date
> UPDATEDDATE = last application updated date
> AUTH = AUTH code for the domain name (NOTE 2)

Note:
(1) Possible values are:
> - INCOMPLETE - required parameters are missing, submission not possible
> - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
> - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
> - PROCESSING - submission prepared, waiting for submission
> - PENDING - submitted, waiting for results
> - SUCCESSFUL - DomainApplication successful
> - FAILED - DomainApplication failed
> - AUCTION-PENDING - multiple DomainApplications are being auctioned
> - AUCTION-WON - auction was won
> - AUCTION-LOST - auction was lost

(2) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for the domain name.

Example:
- To create an EOI for an .APP Domain (only the domain name is given)

```
RRP Request/Response:
        [COMMAND]
        command=AddDomainApplication
        class=EOI
        domain=example.app
        EOF

[RESPONSE]
        CODE=200
        DESCRIPTION=Command completed successfully
        PROPERTY[APPLICATION][0]=3723
        PROPERTY[AUTH][0]=TXU3InYoEv
        PROPERTY[CLASS][0]=APP_EOI
        PROPERTY[CREATEDBY][0]=SYSTEM
        PROPERTY[CREATEDDATE][0]=2012-09-03 04:53:41
        PROPERTY[DOMAIN][0]=example.app
        PROPERTY[DOMAINUMLAUT][0]=example.app
        PROPERTY[PEERUSER][0]=
        PROPERTY[STATUS][0]=REQUESTED
        PROPERTY[UPDATEBY][0]=SYSTEM
        PROPERTY[UPDATEDDATE][0]=2012-09-03 04:53:41
        PROPERTY[USER][0]=test.user
```

EPP:

```
EPP 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">
<extension>
<keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
<keyvalue:kv key='COMMAND' value='AddDomainApplication' />
<keyvalue:kv key='CLASS' value='EOI' />
<keyvalue:kv key='DOMAIN' value='example2.app' />
</keyvalue:extension>
</extension>
</epp>

EPP response:
<?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">
   <response>
     <result code="1001">
        <msg>Command completed successfully; action pending</msg>
        <extValue>
          <value xmlns:epp="urn:ietf:params:xml:ns:epp-1.0">
             <epp:undef/>
          </value>
          <reason>200 Command completed successfully</reason>
        </extValue>
     </result>
     <extension>
       <keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
          <keyvalue:kv key="APPLICATION" value="3725"/>
          <keyvalue:kv key="AUTH" value="ZBh5ralfPl"/>
          <keyvalue:kv key="CLASS" value="APP_EOI"/>
          <keyvalue:kv key="CREATEDBY" value="SYSTEM"/>
          <keyvalue:kv key="CREATEDDATE" value="2012-09-03 09:47:10"/>
          <keyvalue:kv key="DOMAIN" value="example2.app"/>
          <keyvalue:kv key="DOMAINUMLAUT" value="example2.app"/>
          <keyvalue:kv key="PEERUSER" value=""/>
          <keyvalue:kv key="STATUS" value="REQUESTED"/>
          <keyvalue:kv key="UPDATEBY" value="SYSTEM"/>
          <keyvalue:kv key="UPDATEDDATE" value="2012-09-03 09:47:10"/>
          <keyvalue:kv key="USER" value="test.user"/>
       </keyvalue:extension>
     </extension>
     <trID>
       <svTRID>RW-22720-1346665630348630</svTRID>
     </trID>
   </response>
</epp>
```

3.2 COMMAND – ModifyDomainApplication – Convert EOI to a DomainApplication

At any time the Authorization Code, contact handles and name servers that are assigned to an EOI can be updated free of charge. This command can also be used to convert an EOI to a DomainApplication if the respective newTLD is approved by ICANN.

Request Parameters:

Required:
       COMMAND = ModifyDomainApplication
       APPLICATION = <unique application ID>

Optional:
       CLASS = <NEW_CLASS> e.g. APP_SUNRISE only to convert an EOI to a domain application if the respective newTLD is approved by ICANN
       AUTH = AUTH code for the domain name (NOTE 1)
       OWNERCONTACT0 = contact handle ID of registrant
       ADMINCONTACT0 = contact handle ID of the administrative contact
       TECHCONTACT0 = contact handle ID of the technical contact
       BILLINGCONTACT0 = contact handle ID of the billing contact
       NAMESERVER0 = nameserver #1
       NAMESERVER1 = nameserver #2
       ...
       NAMESERVER12 = nameserver #13

Note:
(1) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for this domain

Response Parameters:

Parameters:
> CLASS = application class (syntax: <TLD>_EOI)
> APPLICATION = unique application ID
> STATUS = application status (NOTE 1)
> DOMAIN = domain name
> USER = user id the DomainApplication is assigned to
> PEERUSER = User ID hierarchy (tree) that DomainApplication is assigned to
> CREATEDDATE = application created date
> UPDATEDDATE = last application updated date
> AUTH = AUTH code for the domain name (NOTE 2)

Note:
(1) Possible values are:
> - INCOMPLETE - required parameters are missing, submission not possible
> - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
> - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
> - PROCESSING - submission prepared, waiting for submission
> - PENDING - submitted, waiting for results
> - SUCCESSFUL - DomainApplication successful
> - FAILED - DomainApplication failed
> - AUCTION-PENDING - multiple DomainApplications are being auctioned
> - AUCTION-WON - auction was won
> - AUCTION-LOST - auction was lost

(2) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for the domain name.

Example:

- To convert an EOI to a Sunrise Application

```
RRP Request/Response:
        [COMMAND]
        command=ModifyDomainApplication
        application=3723
        class=APP_SUNRISE
        EOF

[RESPONSE]
        CODE=200
        DESCRIPTION=Command completed successfully
        PROPERTY[APPLICATION][0]=3723
        PROPERTY[AUTH][0]=TXU3InYoEv
        PROPERTY[CLASS][0]=APP_SUNRISE
        PROPERTY[CREATEDBY][0]=SYSTEM
        PROPERTY[CREATEDDATE][0]=2012-09-03 04:53:41
        PROPERTY[DOMAIN][0]=example.app
        PROPERTY[DOMAINUMLAUT][0]=example.app
        PROPERTY[PEERUSER][0]=
        PROPERTY[STATUS][0]=REQUESTED
        PROPERTY[UPDATEBY][0]=SYSTEM
        PROPERTY[UPDATEDDATE][0]=2012-09-12 07:29:15
        PROPERTY[USER][0]=test.user
```

EPP:

```
EPP 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">
<extension>
<keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
<keyvalue:kv key='COMMAND' value='ModifyDomainApplication' />
<keyvalue:kv key='APPLICATION' value='3725' />
<keyvalue:kv key='CLASS' value='APP_SUNRISE' />
</keyvalue:extension>
</extension>
/epp>

EPP response:
<?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">
<response>
<result code="1001">
<msg>Command completed successfully; action pending</msg>
<extValue>
<value xmlns:epp="urn:ietf:params:xml:ns:epp-1.0">
<epp:undef/>
</value>
<reason>200 Command completed successfully</reason>
</extValue>
</result>
<extension>
<keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
<keyvalue:kv key="APPLICATION" value="3725"/>
<keyvalue:kv key="AUTH" value="ZBh5ralfPl"/>
<keyvalue:kv key="CLASS" value="APP_SUNRISE"/>
<keyvalue:kv key="CREATEDBY" value="SYSTEM"/>
<keyvalue:kv key="CREATEDDATE" value="2012-09-03 09:47:10"/>
<keyvalue:kv key="DOMAIN" value="example2.app"/>
<keyvalue:kv key="DOMAINUMLAUT" value="example2.app"/>
<keyvalue:kv key="PEERUSER" value=""/>
<keyvalue:kv key="STATUS" value="REQUESTED"/>
<keyvalue:kv key="UPDATEBY" value="SYSTEM"/>
<keyvalue:kv key="UPDATEDDATE" value="2012-09-12 06:17:50"/>
<keyvalue:kv key="USER" value="test.user"/>
</keyvalue:extension>
</extension>
<trID>
<svTRID>RW-22720-1346665630348630</svTRID>
</trID>
</response>
</epp>
```

3.3 COMMAND - Delete an EOI/DomainApplication

Request Parameters:

Required:
   COMMAND = DeleteDomainApplication
   CLASS = EOI
   APPLICATION = <unique application ID>

Response Parameters:

Parameters:
   CLASS = application class (syntax: <TLD>_EOI)
   APPLICATION = unique application ID
   STATUS = application status (NOTE 1)
   DOMAIN = domain name
   USER = user id the DomainApplication is assigned to
   PEERUSER = User ID hierarchy (tree) that DomainApplication is assigned to
   CREATEDDATE = application created date
   UPDATEDDATE = last application updated date
   AUTH = AUTH code for the domain name (NOTE 2)

Note:
(1) Possible values are:
   - INCOMPLETE - required parameters are missing, submission not possible
   - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
   - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
   - PROCESSING - submission prepared, waiting for submission
   - PENDING - submitted, waiting for results
   - SUCCESSFUL - DomainApplication successful
   - FAILED - DomainApplication failed
   - AUCTION-PENDING - multiple DomainApplications are being auctioned
   - AUCTION-WON - auction was won
   - AUCTION-LOST - auction was lost

(2) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for the domain name.

Example:

- Delete DomainApplication with ID 3723 (domain example.app)

```
RRP Request/Response:
        [COMMAND]
        command=DeleteDomainApplication
        application=3723
        EOF

[RESPONSE]
        PROPERTY[DOMAIN][0]=example.app
        DESCRIPTION=Command completed successfully
        CODE=200
```

EPP:

```
EPP 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">
<extension>
<keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
<keyvalue:kv key='COMMAND' value='DeleteDomainApplication' />
<keyvalue:kv key='APPLICATION' value='3723' />
</keyvalue:extension>
</extension>
</epp>


EPP response:
<?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">
   <response>
     <result code="1000">
       <msg>Command completed successfully</msg>
       <extValue>
         <value xmlns:epp="urn:ietf:params:xml:ns:epp-1.0">
           <epp:undef/>
         </value>
         <reason>200 Command completed successfully</reason>
       </extValue>
     </result>
     <extension>
       <keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
         <keyvalue:kv key="DOMAIN" value="example921.app"/>
       </keyvalue:extension>
     </extension>
     <trID>
       <svTRID>RW-22720-1346669564857839</svTRID>
     </trID>
   </response>
</epp>
```

3.4 COMMAND - Query Details about a single EOI / DomainApplication

Request Parameters:

Required:
COMMAND = StatusDomainApplication APPLICATION = \<unique application ID\>

Response Parameters:

Parameters:
        CLASS = application class (syntax: \<TLD\>_EOI)
        APPLICATION = unique application ID
        STATUS = application status **(NOTE 1)**
        DOMAIN = domain name
        USER = user id the DomainApplication is assigned to
        PEERUSER = User ID hierarchy (tree) that DomainApplication is assigned
        CREATEDDATE = application created date
        UPDATEDDATE = last application updated date
        AUTH = AUTH code for the domain name **(NOTE 2)**

Note:
(1) Possible values are:
        - INCOMPLETE - required parameters are missing, submission not possible
        - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
        - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
        - PROCESSING - submission prepared, waiting for submission
        - PENDING - submitted, waiting for results
        - SUCCESSFUL - DomainApplication successful
        - FAILED - DomainApplication failed
        - AUCTION-PENDING - multiple DomainApplications are being auctioned
        - AUCTION-WON - auction was won
        - AUCTION-LOST - auction was lost

(2) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for the domain name.

Example:

- To query details about a single EOI / DomainApplication

RRP Request/Response:
```
        [COMMAND]
        command=StatusDomainApplication
        application=3723
        EOF

[RESPONSE]
        CODE=200
        DESCRIPTION=Command completed successfully
        PROPERTY[APPLICATION][0]=3725
        PROPERTY[AUTH][0]=TXU3InYoEv
        PROPERTY[CLASS][0]=APP_EOI
        PROPERTY[CREATEDBY][0]=SYSTEM
        PROPERTY[CREATEDDATE][0]=2012-09-03 04:53:41
        PROPERTY[DOMAIN][0]=example.app
        PROPERTY[DOMAINUMLAUT][0]=example.app
        PROPERTY[PEERUSER][0]=
        PROPERTY[STATUS][0]=REQUESTED
        PROPERTY[SUBCLASS][0]=APP_EOI
        PROPERTY[UPDATEBY][0]=SYSTEM
        PROPERTY[UPDATEDDATE][0]=2012-09-03 04:53:41
        PROPERTY[USER][0]=test.user
```

EPP:

```
EPP 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">
<extension>
<keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
<keyvalue:kv key='COMMAND' value='StatusDomainApplication' />
<keyvalue:kv key='APPLICATION' value='3725' />
</keyvalue:extension>
</extension>
</epp>


EPP response:
<?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">
  <response>
    <result code="1001">
      <msg>Command completed successfully; action pending</msg>
      <extValue>
        <value xmlns:epp="urn:ietf:params:xml:ns:epp-1.0">
          <epp:undef/>
      </value>
        <reason>200 Command completed successfully</reason>
      </extValue>
    </result>
    <extension>
      <keyvalue:extension xmlns:keyvalue="http://schema.ispapi.net/epp/xml/keyvalue-1.0"
xsi:schemaLocation="http://schema.ispapi.net/epp/xml/keyvalue-1.0 keyvalue-1.0.xsd">
        <keyvalue:kv key="APPLICATION" value="3725"/>
        <keyvalue:kv key="AUTH" value="ZBh5ralfPl"/>
        <keyvalue:kv key="CLASS" value="APP_EOI"/>
        <keyvalue:kv key="CREATEDBY" value="SYSTEM"/>
        <keyvalue:kv key="CREATEDDATE" value="2012-09-03 09:47:10"/>
        <keyvalue:kv key="DOMAIN" value="example2.app"/>
        <keyvalue:kv key="DOMAINUMLAUT" value="example2.app"/>
        <keyvalue:kv key="PEERUSER" value=""/>
        <keyvalue:kv key="STATUS" value="REQUESTED"/>
        <keyvalue:kv key="SUBCLASS" value="APP_EOI"/>
        <keyvalue:kv key="UPDATEBY" value="SYSTEM"/>
        <keyvalue:kv key="UPDATEDDATE" value="2012-09-03 09:47:10"/>
        <keyvalue:kv key="USER" value="test.user"/>
     </keyvalue:extension>
    </extension>
    <trID>
      <svTRID>RW-22720-1347544683889437</svTRID>
    </trID>
  </response>
</epp>
```

3.5 COMMAND - Query List All EOIs / DomainApplications

Request Parameters:

Required:
>   COMMAND = QueryDomainApplicationList
>   CLASS = EOI

Optional:
>   WIDE = 1
>   STATUS = filter the list by STATUS value (**NOTE 1**)
>   ORDERBY = order by parameter, suffix "DESC" in descending order (**NOTE 2**)
>   USERDEPTH = filter the list by choosing user depth (**NOTE 3**)

Note:
(1) Possible values are:
>   - INCOMPLETE - required parameters are missing, submission not possible
>   - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
>   - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
>   - PROCESSING - submission prepared, waiting for submission
>   - PENDING - submitted, waiting for results
>   - SUCCESSFUL - DomainApplication successful
>   - FAILED - DomainApplication failed
>   - AUCTION-PENDING - multiple DomainApplications are being auctioned
>   - AUCTION-WON - auction was won
>   - AUCTION-LOST - auction was lost

(2) Possible values are:
>   - CLASS
>   - CLASSDESC
>   - DOMAIN
>   - DOMAINDESC
>   - USER
>   - USERDESC
>   - CREATEDDATE
>   - CREATEDDATEDESC
>   - UPDATEDDATE
>   - UPDATEDDATEDESC

(3) Possible values are:
>   - SELF (only own EOIs/Applications)
>   - SUBUSER (only subusers EOIs/Applications)
>   - ALL (All EOIs/Applications)

Response Parameters:

Parameters:
Common List of Parameters
Returned as an array with only one element
       TOTAL = number of total list entries
       FIRST = number of first returned list entry
       COUNT = number of returned entries
       LAST = number of last returned list entry
       LIMIT = limitation of returned list entries

List entries returned as an array:
       CLASS = application class (syntax: <TLD>_EOI)
       APPLICATION = unique application ID
       STATUS = application status **(NOTE 1)**
       DOMAIN = domain name
       USER = user id the DomainApplication is assigned to
       PEERUSER = User ID hierarchy (tree) that DomainApplication is assigned
       CREATEDDATE = application created date
       UPDATEDDATE = last application updated date
       AUTH = AUTH code for the domain name **(NOTE 2)**
       OWNERCONTACT = contact handle ID of registrant
       ADMINCONTACT = contact handle ID of administrative contact
       TECHCONTACT = contact handle ID of technical contact
       BILLINGCONTACT = contact handle ID of billing contact
       EXPIRATIONDATE = TBD
       X-DOMAIN-ROID – TBD
       MISSINGPARAMETER = TBD
       INVALIDPARAMETER = TBD

Note:
(1) Possible values are:
      - INCOMPLETE - required parameters are missing, submission not possible
      - REQUESTED - final status for EOIs, deposit not yet withdrawn for applications
      - ACTIVE - deposit withdrawn successfully, waiting for submission to be prepared
      - PROCESSING - submission prepared, waiting for submission
      - PENDING - submitted, waiting for results
      - SUCCESSFUL - DomainApplication successful
      - FAILED - DomainApplication failed
      - AUCTION-PENDING - multiple DomainApplications are being auctioned
      - AUCTION-WON - auction was won
      - AUCTION-LOST - auction was lost

(2) If the EOI is converted to a DomainApplication and the DomainApplication has been completed successfully this AUTH code will be set for the domain name.

Example:
- To query a detailed list of all EOIs / DomainApplications

```
RRP Request/Response:
        [COMMAND]
        command=QueryDomainApplicationList
        class=EOI
        wide=1
        EOF

[RESPONSE]
        CODE=200
        DESCRIPTION=Command completed successfully
        PROPERTY[ADMINCONTACT][0]=
        PROPERTY[APPLICATION][0]=3725
        PROPERTY[BILLINGCONTACT][0]=
        PROPERTY[CLASS][0]=APP_EOI
        PROPERTY[COUNT][0]=1
        PROPERTY[CREATEDDATE][0]=2012-09-03 09:47:10
        PROPERTY[DOMAIN][0]=example2.app
        PROPERTY[DOMAINUMLAUT][0]=example2.app
        PROPERTY[EXPIRATIONDATE][0]=
        PROPERTY[FIRST][0]=0
        PROPERTY[INVALIDPARAMETER][0]=
        PROPERTY[LAST][0]=0
        PROPERTY[LIMIT][0]=10000
        PROPERTY[MISSINGPARAMETER][0]=
        PROPERTY[NAMESERVER][0]=
        PROPERTY[OWNERCONTACT][0]=
        PROPERTY[PARENTUSER][0]=demo.hexonet.net
        PROPERTY[PEERUSER][0]=
        PROPERTY[STATUS][0]=REQUESTED
        PROPERTY[TECHCONTACT][0]=
        PROPERTY[TOTAL][0]=1
        PROPERTY[UPDATEDDATE][0]=2012-09-03 09:47:10
        PROPERTY[USER][0]=test.user
        PROPERTY[X-DOMAIN-ROID][0]=
```