



network
solutions®

Network Solutions Partner Protocol
DTD, Version 6.6 Rev A
WHAT'S NEW

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1. Version 6.6 Introduction

1.1 Overview 6.6

Version 6.6 will support .XXX Landrush and will continue to support the General Availability Pre-Registration period.

Landrush: (November 8, 2011 – November 25, 2011 at 11:00 am EST)

This phase is open and available to Members of the Adult Sponsored Community. There are no other qualification requirements.

- For members of the Sponsored Community who want to secure a premium .XXX domain name(s) and host a live website but do NOT want to wait until General Availability opens - information about how to become a member will be sent to you.
- This phase is NOT on a first come, first served basis, so multiple applications for the same .XXX domain name will go to auction at the end of Landrush.
- Applicants will be notified by Pool.com via email from 'NoReply@Pool.com' to participate in the auction process.
- Unlike Sunrise AT, AD and B, there are no qualification requirements for Landrush, but applicants must complete the [Membership Application Process](#) by November 30, 2011 at 11:00 am EST

A new API has been added for Landrush. The following element from the DomainProduct.dtd defines the LandRush Request:

```
<!ELEMENT PreRegisterLandRush (XXXDomainLandRush+, PurchasePeriod,
TechContact, AdminContact, BillContact)>
```

```
<!ELEMENT XXXDomainLandRush (DomainName, Phase)>
```

```
<!ELEMENT Phase EMPTY>
```

```
<!ATTLIST Phase
```

```
Phase (LandRush) #REQUIRED
```

2. Version 6.5 Introduction

Version 6.5 has been intentionally omitted.

3. Version 6.4 Introduction

3.2 Overview 6.4 [No Longer Valid]

Version 6.4 will now support .XXX Sunrise.

4. Version 6.3 Introduction

4.3 Overview 6.3

Version 6.3 will support .XXX Pre-Registrations for General Availability.

.XXX is launching soon, and Network Solutions® is working with the ICM Registry to provide information and pre-registration services to make it easier to register .XXX domain names. There are several launch phases planned and we can help you with the process whether you are interested in finding out about Sunrise A-Trademark Holders, Sunrise A-Community Grandfathering, Sunrise B-Trademark Holders, Landrush, or making sure you are first in line for General Availability. At this time, we are offering pre-registrations for General Availability. Each pre-registration will be submitted as a Member of the Adult Industry.

Pre-Registrations for General Availability

.XXX domains names pre-registrations are available to Members only of the Adult Online Entertainment Sponsored Community. It will be necessary to verify through self-identification that your customer is part of, or intends to be part of, the Adult Industry and agrees to comply with the Policies and Best Practices of the Industry for themselves or their business. Please note that your customer will need to complete an application process endorsed and overseen by the International Foundation of Online Responsibility (IFFOR) prior to your customer's website going live with a .XXX domain name. When available, we will provide you with all necessary information when the application needs to be filled out. For now, all you have to do is identify that your customer meets one or more of the following.

Verify that one or more apply:

- Your customer is currently related to the Adult Industry
 - Your customer provides online, sexually oriented Adult Entertainment intended for consenting adults
 - Your customer represents providers of Adult Entertainment
 - Your customer provides products or services to Providers and Representatives of the Adult Industry
- Your customer is currently not part of the Adult Industry but intends to become part of the Adult Industry
- Your customer wants a live website with Adult related content
- Your customer will voluntarily comply with all [International Foundation for Online Responsibility Policies](#) and Best Practices Guidelines, as published on [IFFOR's website](#)

At this time, the ICM Registry has not released their terms and conditions for registering .XXX domain names. By participating in the .XXX General Availability (GA) pre-

registration process, you agree that you will contact your customer at a later date and require them to expressly agree to the terms and conditions for use of .XXX before Network Solutions submits your request to the Registry once the GA phase opens. We will notify you immediately once the terms and conditions are available for you to pass along to your customers.

The following disclaimer language should be added to your website when offering .XXX pre-registrations through Network Solutions.

It is important to note that participation in .XXX pre-registration does not guarantee that you will become the registrant for the .XXX domain name(s) you pre-register. Submission of a pre-registered domain name(s) is contingent upon Network Solutions becoming an ICM Accredited Registrar. By submitting your pre-registration information, you agree that Network Solutions shall have no liability to you with respect to the domain name(s) pre-registered and you agree to waive any claims against Network Solutions related to your pre-registration.

Please contact partnerprogram@networksolutions.com to obtain more information including logos, and marketing materials to support .XXX pre-registrations.

Below is the API for .XXX Pre-Registration.

```
<!-- ===== PreRegister ===== -->
<!ELEMENT PreRegister (XXXDomain+, PurchasePeriod, TechContact, AdminContact,
BillContact)>
<!ELEMENT XXXDomain (DomainName,IndustryMember, Phases)>
<!ELEMENT IndustryMember EMPTY>
<!ATTLIST IndustryMember
    Status (Yes) #REQUIRED
>
<!ELEMENT Phases EMPTY>
<!ATTLIST Phases
    Phase1 (PreregGA) #REQUIRED
>
```

5. Version 6.2 Introduction

5.4 Overview 6.2

Version 6.2 Rev D now supports .AC, .IO, .JP, .NL, .NU, .SG, .SH and .TK

Version 6.2 Rev C no longer supports new registrations for .ORG.TW.

Version 6.2 Rev B now supports .AG, .ASIA, .HN, .LC, .MN, .SC, and .VC.

Version 6.2 continues to support .CA

5.5 .AC, .IO, .JP, .NL, .NU, .SG, .SH and .TK ccTLDs

.AC is the country code for Ascension Island

.IO is the country code for The British Indian Ocean Territory

.JP is the country code for Japan

.NL is the country code for Netherlands

.NU is the country code for Niue

.SG is the country code for Singapore

.SH is the country code for Saint Helena

.TK is the country code for Tokelau

.AC, .IO, .NL and .SH are considered Type 1 domains and must be renewed 11 days prior to expiration or they will be deleted within the month that the domain name expires. Renewals submitted after 11 days prior to expirations will not be accepted and no redemptions will be possible for these domain names. The Registrant will not receive the Expiration or Deactivation Notices, as no renewals may be submitted beyond 11 days prior to expiration.

.JP, .NU, .SG and .TK are considered Type 2 domains and must be renewed 42 days prior to expiration or they will be deleted within the month that the domain name expires. Renewals submitted after 42 days prior to expiration will not be accepted and no redemptions will be possible for these domain names. The Registrant will not receive the Expiration or Deactivation Notices, as no renewals may be submitted beyond 42 days prior to expiration.

TLD	XML Version	Private Registration,	Web Forwarding	Automated Transfers (Inbound)	Legal Name Change, RNCA	Account Consolidates	Domain Name Length (excluding dot and TLD)
.ac	6.2 D	N	Y	N	N	N	3-63
.io	6.2 D	N	Y	N	N	N	3-63

.jp	6.2 D	N	Y	N	N	N	3-63
.nl	6.2 D	N	Y	N	N	N	3-63
.nu	6.2 D	N	Y	N	N	N	3-63
.sg	6.2 D	N	Y	N	N	N	3-63
.sh	6.2 D	N	Y	N	N	N	3-63
.tk	6.2 D	N	Y	N	N	N	3-63

5.6 .ORG.TW ccTLD Revision

.ORG.TW registrations will no longer be supported. However, we continue to support renewals and modifications. We have removed this extension from the *VerifyDomainName*, *InboundTransfer*, *VerifyDomainsAll*, *GenerateDomainsAdvanced* and *GenerateDomainsAll* queries which will now return an “invalid” response.

5.7 .ASIA sTLD and .AG, .HN, .LC, .MN, .SC, and .VC ccTLDs

.ASIA is a sponsored Top-Level Domain name for Pan-Asia and the Asia Pacific region. The registration of all .ASIA domain names requires that at least one contact on your account be based in an Asia-Pacific country. To accommodate this requirement, Network Solutions will automatically populate your Administrator 2 address information with our Hong Kong contact details. Please be aware that the Administrator 2 information cannot be edited or updated by you at any time.

.AG is the country code for Antigua and Barbuda

.HN is the country code for Honduras

.LC is the country code for Saint Lucia

.MN is the country code for Mongolia

.SC is the country code for Seychelles

.VC is the country code for Saint Vincent and the Grenadines

TLD	XML Version	Private Registration,	Web Forwarding	Automated Transfers (Inbound)	Legal Name Change, RNCA	Account Consolidates	Domain Name Length (excluding dot and TLD)
.asia	6.2 B	Y	Y	Y	Y	Y	3-58
.ag	6.2 B	Y	Y	Y	Y	Y	3-60
.hn	6.2 B	Y	Y	Y	Y	Y	3-60
.lc	6.2 B	Y	Y	Y	Y	Y	3-60
.mn	6.2 B	Y	Y	Y	Y	Y	3-60
.sc	6.2 B	Y	Y	Y	Y	Y	3-60
.vc	6.2 B	Y	Y	Y	Y	Y	3-60

5.8 CIRA Re-write

The Canadian Internet Registration Authority (CIRA) re-writes to register .CA domain names via the Extensible Provisioning Protocol (EPP).

The following are changes to the CIRA new EPP-based system:

- Each business entity – domain, contact, host – has a unique Registrar sponsor
- Eliminates Registrant account requirements for Registry-related approvals
- Does not attempt to consolidate Registrant information across Registrars
- Classifies each contact as either Individual or Non-Individual (Organization)
- Updated domain lifecycle
- Associates an authorization code (AuthInfo) with a domain name
- Does not support registrations of 3rd and 4th level domain names
- Requires Registrars to implement and present the Registrant Agreement
- Manages a host as a unique entity

5.9 .CA Contacts

Registrants, administrative contacts and technical contacts are all represented as contact objects in the Registry. Each contact must be identified with a unique ID in the entire registry system.

A Registrant may be a Non-Individual (Organization) or an Individual, but Administrative and Technical contacts must be an Individual type.

For restrictions on contact names, please refer to Appendix H in the XML Reference Manual.

5.10 .CA Lifecycle

A domain will continue to transition through several stages of the domain lifecycle. Domains can be registered 1-10 years but cannot be deleted until the expiry date. An auto-renew grace period is allowed but shall not exceed 36 days.

5.11 .CA Features

5.11.1 Domain Protect

Domain Protect is a feature that adds an extra layer of protection to a domain name registration guarding it against unauthorized domain name transfers.

5.11.2 Authorization Codes

The RetrieveAuthCode element has been added to allow Partners to request domain AuthCodes. The new request sends an e-mail containing the domain AuthCode to the Registrant e-mail address on record. AuthCodes can only be requested for domains registered with Network Solutions.

5.12 .CA Registrant Agreement

The EPP Protocol has been extended to include a Get Agreement request that returns the current version number of the CIRA Registrant Agreement. A contact create request must include the Canadian Presence Requirements (CPR) data and Registrants must agree to the CIRA Registrant Agreement found at <http://www.cira.ca/assets/Documents/Legal/Registrants/registrantagreement.pdf>.

In order to fulfill this new requirement, CIRA requires that all Registrant contact be presented with the CIRA Registrant Agreement and must explicitly agree to the following language before processing any registration.

You have read, understood and agree to the terms and conditions of the [Registrant Agreement](#), and that CIRA may, from time to time and at its discretion, amend any or all of the terms and conditions of the Registrant Agreement, as CIRA deems appropriate, by posting a notice of the changes on the CIRA website and by sending a notice of any material changes to Registrant.

You meet all the requirements of the Registrant Agreement to be a Registrant, to apply for the registration of a Domain Name Registration, and to hold and maintain a Domain Name Registration, including without limitation CIRA's Canadian Presence Requirements for Registrants, at: www.cira.ca/assets/Documents/Legal/Registrants/CPR.pdf.

CIRA will collect, use and disclose Registrant's personal information, as set out in CIRA's Privacy Policy, at: <http://www.cira.ca/privacy/policy.html>.

If you do not agree, the process will end here and you will not be able to register a .CA domain name.

6. Version 6.1 Introduction

6.13 Overview 6.1

Version 6.1 will support .CO General Availability.

General Availability (*July 20, 2010 2PM ET*)

.CO domains names are available to the public with registrations submitted on a first-come, first-served basis.

The existing API should be used for General Availability.

```
<!ELEMENT CreateRegistration (DomainName+, PurchasePeriod, TechContact?,
AdminContact?, BillContact?, BulkWhoisOptOut?, DomainProtect?, Hosts?,
SupplementalRegistryData?, PrivateRegistrationDomains*)>
```

```
!ELEMENT CreateParking (DomainName+, PurchasePeriod, TechContact?,
AdminContact?, BillContact?, BulkWhoisOptOut?, DomainProtect?,
SupplementalRegistryData?, PrivateRegistrationDomains*, WebForwardingProduct*,
ADNS*)>
```

The CreateParking should be used for ADNS registrations.

7. Version 6.0 Introduction

7.14 Overview 6.0 [*No Longer Valid*]

Version 6.0 will now support .CO Sunrise.

8. Version 5.2 Introduction

8.1 Overview 5.2

Version 5.2 Rev E will no longer support .CN registrations, but will support the new .CO, .COM.CO, .NET.CO and .NOM.CO extensions

Version 5.2 Rev D contains the .TEL TLD revision

Version 5.2 Rev C will now support .CH, .CZ, .LI, .PL and .RU ccTLDs

Version 5.2 Rev B continues to supports .IM, .ME

Version 5.2 continues to support .CA

.CO is associated globally with the words “COmpany”, “COrporation”, “COmmerce”
.COM.CO implies Commercial and represents the country code for Colombia
.NET.CO implies Network and represents the country code for Colombia
.NOM.CO implies Name, Personal or Non-Commerical use and represents the country code for Colombia
.CH represents the country code for Switzerland.
.CZ represents the country code for Czech Republic
.LI represents the country code for Liechtenstein
.PL represents the country code for Poland
.RU represents the country code for Russian Federation
.IM represents the country code for Isle of Man
.ME represents the country code for Montenegro
.CA represents the country code for Canada

8.2 .CO TLD Revision

During the month of March 2010, those who registered 3rd level .CO domain names on or before July 30, 2008 are eligible for the Grandfather phase – meaning they can secure their exact match 2nd level .CO domain. This will be supported via an inbound transfer and will include the initial 1 year registration term and a 1 year extension. After initiating a successful inbound transfer, the new 2nd level .CO domain name will function similar to a .BIZ.

Additionally, we have added .COM.CO, .NET.CO and .NOM.CO which represent Colombia and are fully functional. No residency restrictions apply.

8.3 .CN ccTLD Revision

.CN registrations will no longer be supported. However, we continue to support renewals and modifications. We have removed this extension from the *VerifyDomainName* query which will now return an “invalid” response.

8.4 .TEL TLD Revision

The .TEL Registry’s AUP (Acceptable Use Policy) states that the Registrar must include at least one NAPTR (Name Authority Pointer) Record referencing a communications contact associated with the Domain Name Holder at the time of registration. Therefore, Network Solutions will automatically generate a .TEL TelHosting account with a permanent Username and temporary password at the time of registration. XML clients will be blocked from using the CreateRegistryContact API in the UserRequest.dtd to create an account at the Telnic Registry. The fully qualified domain name will be

published as the NAPTR record and the temporary password may be changed by going to the TelHosting website at any time.

For additional information, please go to the link below on managing a .TEL account.

https://partners.networksolutions.com/en_US/help/how-to-main.html

Using the CreateRegistryContact API will result in error code -2323, with the message, “This XML request has been retired.”

8.5 . CA ccTLD

When registering the .CA domain, the Registrant must provide their Canadian Legal Presence type which is defined in the **DotCASupplementalData** element the CommonDeclarations.dtd. Please see Appendix E and the CreateRegistration section of the XML Reference document for details.

4 DTDs were modified to support .CA: CommonDeclarations.dtd, UserRequest.dtd, UserLookupRequest.dtd and UserResponse.dtd.

Please refer to our FAQ link below for more information:

ftp://ftp.networksolutions.com/partners/Marketing_Info/Netsol_CA_FAQ.pdf

8.6 Summary of the TLDs introduced in Version 5.2

ccTLD	XML Version	Private Registration,	Web Forwarding	Automated Transfers (Inbound)	Legal Name Change, RNCA	Account Consolidates	Domain Name Length (excluding dot and TLD)
.co	5.2 E	Y	Y	Y	Y	Y	3-63
.com.co	5.2 E	Y	Y	Y	Y	Y	3-63
.net.co	5.2 E	Y	Y	Y	Y	Y	3-63
.nom.co	5.2 E	Y	Y	Y	Y	Y	3-63
.ch	5.2 C	Y	Y	N	N	N	3-63
.cz	5.2 C	Y	Y	N	N	N	3-63
.li	5.2 C	Y	Y	N	N	N	3-63
.pl	5.2 C	N	Y	N	N	N	3-63
.ru	5.2 C	Y	Y	N	N	N	3-63
.im	5.2 B	Y	Y	N	Y	Y	3-60
.me	5.2 B	Y	Y	N	Y	Y	3-60
.ca	5.2	N	Y	N	N	N	3-50

TLD	XML Version	Purchase Period	Renew Period	Number of Hosts
.co	5.2 E	1, 2, 3, 4, 5	1, 2, 3, 4	2-13
.com.co	5.2 E	1, 2, 3, 4, 5	1, 2, 3, 4	2-13
.net.co	5.2 E	1, 2, 3, 4, 5	1, 2, 3, 4	2-13
.nom.co	5.2 E	1, 2, 3, 4, 5	1, 2, 3, 4	2-13
.ch	5.2 C	1	1	2-4
.cz	5.2 C	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	2-5
.li	5.2 C	1	1	2-4
.pl	5.2 C	1, 2, 3	1, 2	2-5

TLD	XML Version	Purchase Period	Renew Period	Number of Hosts
.ru	5.2 C	1	1	2-5
.im	5.2 B	1, 2, 3, 5, 10	1, 2, 3, 5	2-13
.me	5.2 B	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1, 2, 3, 4, 5, 6, 7, 8, 9	2-13
.ca	5.2	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	1, 2, 3, 4, 5, 6, 7, 8, 9	2-13

8.7 Availability Requests

.CH, .CZ, .LI, .PL, .RU, .IM, .ME and .CA will be returned with all of the availability requests.

9. Version 5.1 Introduction

9.1 Overview

Version 5.1 will now support the .tel TLD.

9.2 . TEL TLD

.TEL is a brand new domain name that allows businesses and individuals to publish, store, update and manage important contact information directly on the Internet.

For XML clients, the .TEL can be purchased using the existing CreateRegistration API. After the .tel domain is purchased, use the new **CreateRegistryContact** API in the UserRequest.dtd to create an account at the **Telnic** Registry. This account allows the end customer to login into the .tel management dashboard to manage his/her contacts, at <http://telhosting.networksolutions.com>.

The UserRequest section in the XML Reference Document has details and sample xml for the **CreateRegistryContact** API.

The link below has additional information, FAQ on creating and managing a .TEL account.

https://partners.networksolutions.com/en_US/help/how-to-main.html

The table below is a summary of the TLDs introduced in Version 5.1

TLD	XML Version	Private Registration	Web Forwarding	Automated Transfers (Inbound, RNCA)	Legal Name Change	Account Consolidates	Domain Name Length (excluding dot and

							TLD)
.tel	5.1	Y	N	N	Y	N	3-63

9.3 Adding .TEL to Availability Requests

.TV will be replaced by .TEL in the following Availability APIs:

GenerateDomainsAdvanced, *GenerateDomainsAll*, and *VerifyDomainsAdvanced*.

.TEL will be added to *VerifyDomainsAll*.

10. Version 5.0 Introduction

10.1 Overview

Version 5.0 will now support the following new TLDs: .ES, .COM.ES, .ORG.ES, .NOM.ES, .IN, .CO.IN, .NET.IN, .ORG.IN, .FIRM.IN, .GEN.IN, .IND.IN, .AR.COM, .GD, .CX.

Enhancements were made to the Availability Request APIs to return more alternative domain names for a greater number of TLDs.

10.2 New TLDs

The table below is a summary of the TLDs introduced in Version 5.0 and 6.2

TLD	XML Version	Private Registration	Web Forwarding	Automated Transfers (Inbound, RNCA)	Legal Name Change	Domain Name Length (excluding dot and TLD)
.es	5.0	N	Y	N	N	3-64
.com.es	5.0	N	Y	N	N	3-60
.org.es	5.0	N	Y	N	N	3-60
.nom.es	5.0	N	Y	N	N	3-60
.in	5.0	N	Y	N	N	3-64
.co.in	5.0	N	Y	N	N	3-61
.net.in	5.0	N	Y	N	N	3-60
.org.in	5.0	N	Y	N	N	3-60
.firm.in	5.0	N	Y	N	N	3-59
.gen.in	5.0	N	Y	N	N	3-60
.ind.in	5.0	N	Y	N	N	3-60

TLD	XML Version	Private Registration	Web Forwarding	Automated Transfers (Inbound, RNCA)	Legal Name Change	Domain Name Length (excluding dot and TLD)
.ar.com	5.0	Y	Y	Y	Y	3-60
.gd	5.0	Y	Y	N	Y	3-64
.cx	5.0	Y	Y	N	Y	3-64
.ag	6.2	Y	Y	N	Y	3-63
.asia	6.2	Y	Y	N	Y	3-63
.hn	6.2	Y	Y	N	Y	3-63
.lc	6.2	Y	Y	N	Y	3-63
.mn	6.2	Y	Y	N	Y	3-63
.sc	6.2	Y	Y	N	Y	3-63
.vc	6.2	Y	Y	N	Y	3-63

TLD	XML Version	Purchase Period	Renew Period	Number of Hosts
.ag	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.asia	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.hn	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.lc	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.mn	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.sc	6.2	1, 2 ,3 ,4 ,5, 6, 7, 8, 9, 10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.vc	6.2	1	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13

10.3 Enhancements to Availability Request APIs

The *VerifyDomains*, *VerifyDomainsAdvanced* and *VerifyDomainsAll* APIs were modified to return availability for the following TLDs: .com, .net, .org, .info, .biz, .us.com, .mobi, and .tv.

Enhancements were made to the *GenerateDomains*, *GenerateDomainsAdvanced*, *GenerateDomainsAll* APIs to return more meaningful and up-to-date alternate domain names. The *GenerateDomainsAdvanced* also has an option to return alternate misspelled domain names.

Please refer to the AvailableRequest.dtd for the DTD changes as well as the XML_Reference_Version_5_0 document for more details.

10.4 New error code for weak SSL CSR

For security products, if an SSL CSR generated by the Debian Linux operating system using a weak key, then a new error code and message will be returned.

Error code = -11926

Error message = The CSR that you submitted has been rejected because the Debian Linux operating system used to generate it is producing keys that are not secure