

Network**Solutions**.[®]

TLD TEMPLATE REGISTRATION

USER GUIDE

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Version 4.1

Last Modified: October 21, 2003

TABLE OF CONTENTS

1. INTRODUCTION.....	1
2. WHAT’S NEW?.....	1
2.1 MULTIPLE SECONDARY NAME SERVERS ARE SUPPORTED	1
2.2 SUPPORT FOR ORDERING .NAME PRODUCTS.....	1
3. PREPARATION	2
3.1 EXISTING NETWORK SOLUTIONS PARTNERS WITH A PARTNER ID	2
3.2 NEW NETWORK SOLUTIONS PARTNERS	2
4. IMPLICATIONS FOR FORMER MTS V6.0 TEMPLATE USERS	3
4.1 OVERVIEW	3
4.2 CHANGES FROM THE V6.0 TEMPLATE AND ASSOCIATED IMPLICATIONS	3
4.3 CHANGES TO THE V6.1 TEMPLATE VALIDATION RULES.....	4
4.4 TEMPLATE SUBMISSION PROCESS	5
5. LIMITATIONS OF THE MODIFIED TLD TEMPLATE	5
5.1 BILLING CONTACT (BLOCK 6)	5
5.2 REGISTRATIONS	5
6. CHANGES IN OUTPUT.....	6
6.1 DUPLICATED INFORMATION.....	6
6.2 TEMPLATE REPLIES.....	7
7. CHECKLIST FOR SUCCESSFUL NEW TLD REGISTRATION	10
APPENDIX A -- V6.1 TEMPLATE	11
APPENDIX B -- SAMPLE V6.1 TLD TEMPLATES	14
APPENDIX C – TEMPLATE RESTRICTIONS	18
APPENDIX D – TLD TEMPLATE SUBMISSION REPLY.....	20
APPENDIX E – WHOLESALE SYSTEM CONFIRMATION REPLY	21
APPENDIX F – TEMPLATE PARSING ERROR MESSAGE.....	23
SAMPLE RESPONSE FOR A TEMPLATE WITH ERRORS	23
PARSE ERRORS AND MESSAGES.....	24
OTHER ERROR MESSAGES	26

1. Introduction

This document is intended to serve as a reference manual and user guide for Network Solutions Partners who want to utilize Templates to register Top Level Domains (TLDs), including .com, .net, .org, .info, .biz, .name, .tv, .cc, and .bz.

This document describes the overall registration process for domain products using the modified Template. Changes made to the Template fields are outlined. In addition, updated procedures, capabilities and expected output are included. Sample Templates and error messages are also provided for reference.

2. What's New?

2.1 Multiple Secondary Name Servers are Supported

Templates can now accept up to 12 secondary name servers. The name servers must be specified in the Template. This capability is discussed further in **Section 4.2.4**.

2.2 Support for Ordering .name Products

The ability to order .name products has been added to Templates. It is now possible to procure .name Domain Names and .name Bundles (Domain Name and E-mail Forwarding).

The .name domains will work exactly as other domain names on the Internet, however they will only be issued at the third level enabling more people to use the namespace than ever before. A .name domain will be in the following format:

“firstname.lastname.name”

Normally the corresponding e-mail address would be on the third level, of the type mail@firstname.lastname.name. To provide a simpler e-mail address, .name proposed an entirely new technology that allows a third level domain to have a second level e-mail address. The E-mail Forwarding will allow a user to have an e-mail address of the type:

firstname@lastname.name

The service will accept incoming e-mail to a firstname@lastname.name address and will forward that mail to an address specified by the user. The user must have a pre-existing e-mail account to use this service. The service will only offer incoming message

forwarding to registered users, and will not provide outgoing SMTP relaying for any users.

The .name Bundle is the Domain Registration with the corresponding E-mail Forwarding and is a powerful combination of services that will provide a life-long identity for the registrant. By registering a .name Bundle, a registrant, e.g. John Smith, will have john@smith.name and john.smith.name as a powerful digital identity.

Currently, Templates only support .name Domain Registration and the .name Bundle. Only terms of 1, 2 or 10 years can be requested. It is not possible to add the .name E-mail Forwarding to a .name Domain Registration through Templates. In addition, Templates will not allow the deletion of a .name E-mail Forwarding from its corresponding .name Bundle.

Ordering .name Products is discussed in further detail in **Section 4.2**.

3. Preparation

3.1 Existing Network Solutions Partners with a Partner ID

For existing Network Solutions Partners who already have a Partner ID, please ensure that the most recent version of the Wholesale Protocol Account Information Form (Version 3.0) has been completed. Version 3.0 includes a mail-from field and IP address that must be provided to utilize the Template capability. This updated form must be completed and e-mailed to Network Solutions at domainprovider@networksolutions.com before Templates will be accepted/processed. Your Partner ID must be included in Template submissions. This is alternative to the Channel ID used for Template v6.0.

3.2 New Network Solutions Partners

The Network Solutions Partner Program does not encourage new Partners to utilize this tool, however should they choose to do so, the following steps are required. New Network Solutions Partners must fill out the Wholesale Protocol Account Information Form (Version 3.0) completely and e-mail it to Network Solutions at domainprovider@networksolutions.com. Once Network Solutions receives the Wholesale Protocol Account Information Form, it will take 24-48 hours for Wholesale Account setup, account testing and notification of the Partner ID and Password. This Partner ID must be included in Template submissions.

***Note:** Templates will only be accepted and processed from the pre-identified e-mail and IP address(es) on the Wholesale Protocol Account Information form.*

4. Implications for Former MTS v6.0 Template Users

4.1 Overview

In order to allow Partners to continue registering TLDs using Templates, Network Solutions made changes to current Template processes that would also be compatible with the upgraded tools. The primary objective of Network Solutions was to minimize the integration effort for existing Template Partners.

4.2 Changes from the v6.0 Template and Associated Implications

Changes to the v6.0 Template are described below. The new TLD Template version is v6.1 and is referenced in **Appendix A**. Sample Templates can be viewed in **Appendix B**. Please note, updates to this section have been added as of April 2003.

4.2.1 Channel Identifier (Section 10a)

The “Channel Identifier” (Section 10a) must contain the Partner ID instead of the Business Account Partner ID (i.e. BAPS ID). This ensures that Network Solutions can correctly identify the Partner and that the Partner receives the appropriate pricing and management privileges. Please refer to **Section 3** if you do not have a Partner ID.

4.2.2 Business Contact (Block 3)

Each new registrant (information provided in Block 3) will be created as a business contact instead of an individual contact. The Network Solutions Wholesale Model differentiates between an *Individual Contact* and a *Business Contact*. An Individual Contact is a person. A Business Contact represents a business or organization and is composed of an Organization Name and a Legal Contact (an individual with first name, last name). If the registrant is an individual instead of a business, this can be changed at a later time through the Registrant Name Change Agreement (RNCA) process.

4.2.3 Template Fields with Special Meaning (Sections 0b and 0c)

Some fields in the Template have special meaning, and cannot contain other data. The two fields that fall into this category are Auth Scheme and Auth Info (Sections 0b and 0c).

If you need to create a *new* Customer ID:

- **Auth Scheme (0b)** Enter “P” to indicate that a password is specified on line 0c. This is the clear-text password that will be used when a new (registrant) Customer ID is created based on the information in Block 3. If 0b is a “P”, Network Solutions will not generate the password for the new Customer ID, but instead use the value specified in 0c.
- **Auth Info (0c)** If 0b is “P”, this field must contain a password of your choice that is between 4-8 alphanumeric characters.

If you are going to utilize an *existing* Customer ID:

- **Auth Scheme (0b)** Enter a “U” to indicate that a Customer ID which belongs to an existing customer of the Partner (see 10a) is specified on line 0c.
- **Auth Info (0c)** This field must contain the Customer ID which belongs to an existing customer of the Partner specified in section 10a.

If 0b is anything other than “U” or “P”, the Template will fail validation.

An example Template that illustrates the use of 0b and 0c is shown in **Appendix B -- Sample v6.1 TLD Templates**.

4.2.4 Multiple Secondary Name Servers are Supported (Sections 8a and 8b)

Just simply repeat the 8a and 8b lines to specify multiple secondary name servers. All the name servers as well as IPs must be unique. An example of this ability can be reviewed in **Appendix B -- Sample v6.1 TLD Templates**.

4.2.5 .name Product Ordering (Blocks 1 and 2)

Templates support .name Domain Registration (.name domain name ONLY) and the .name Bundle (.name domain name and corresponding .name e-mail forwarding together) for a term of 1, 2 or 10 years.

- **Comments (Block 1)** For the .name Bundle, use this field to specify this option. Put the keyword “ForwardEmailTo” and forwarding to e-mail address in Field 1 for the .name Bundle.
- **Complete Domain Name (Block 2)** For the .name Domain Registration use this field to request the desired domain.

Refer to **Appendix B** for an example of this functionality.

Note: Ordering the .name E-mail Forwarding Product alone (.name e-mail forwarding address ONLY) is not supported at this time.

4.3 **Changes to the v6.1 Template Validation Rules**

Changes to the v6.1 Template validation rules are described below. Please note that these changes are in effect as of May 2003.

4.3.1 Administrative Contact and Technical Contact (4b and 5b)

Templates support registration for existing contacts or new contacts of type (I)ndividual. Templates submitted with new contacts of type (R)ole will fail validation.

4.4 Template Submission Process

Partners must send their completed V6.1 e-mail Template to:

registerdomain@tld.networksolutions.com

***Note:** registerdomain@tld.networksolutions.com is a restricted mailbox. Mail will only be accepted at this mailbox from a pre-approved list of mail-from addresses, and from a limited list of IP addresses. Please refer to **Section 3** to sign up to become a trusted mail-from and IP address.*

5. Limitations of the modified TLD Template

5.1 Billing Contact (Block 6)

Within the Network Solutions Wholesale business model, the Partner is the Billing Contact. **Therefore, the Billing Contact (Block 6) will not be configurable, and will be set to the Wholesaler (Section 10a).** Any information entered in Block 6 will be ignored.

5.2 Registrations

Only new registrations will be supported through this modified TLD Template, which means line 0a can ONLY be “N”. The other commands, (M)odify or (D)elete, are not supported in the TLD Template. Other commands must be made using the Network Solutions Partner Portal or Network Solutions Partner Protocol.

New name servers (i.e. Hosts) cannot be created through the TLD Template. However, existing name servers can be used provided they already exist in the registry (any hosts specified in Block 7 and 8 must already exist).

The TLD Template implementation allows the sender to create domains that fall into two general categories: Externally Managed Domains and Parked Domains. If the sender includes name servers in Blocks 7 and 8, the domain will be created as an externally managed domain (i.e. the name servers are not operated by Network Solutions). If the sender does not include name servers in Blocks 7 and 8, a parked domain will be created. A parked domain is a domain that Network Solutions hosts, and provides a simple “Under Construction” page. This page is non-configurable.

The creation rules are summarized below:

To create an Externally Managed Domain:

- Include existing name servers in Blocks 7 & 8.
- Creation rule: Admin contact and Technical contact are assigned by the sender via the Template.

To create an Parked Domain:

- Leave Blocks 7 & 8 blank.
- Creation rule: Network Solutions is Technical contact.

6. Changes in Output

6.1 Duplicated Information

The registrant information will have a number of duplicated fields (such as e-mail and phone number) that are not configurable via the TLD Template. **Table 6-1** shows the data that will be inserted into the Network Solutions database for a new registrant, and which values will be duplicated. This information can be modified at a later date.

Table 6-1 Mapping of Template Fields to New TLD-Required Format

TLD Template Field Mapping		
Template Field	What is Missing	What is Used
Organization Using Domain Name		
3a. Organization Name		User supplied data
3b. Street Address		User supplied data
3c. City		User supplied data
3d. State		User supplied data
3e. Postal Code		User supplied data
3f. Country		User supplied data
	Company Type	I (Incorporated)
	Phone	Same as 4j
	Email Address	Same as 4l
	Customer Password	Value in field 0c, or generated
	Legal Contact First Name	LEGAL
	Legal Contact Last Name	CONTACT
	Auth Question	What Color is the Sky
	Auth Answer	NTLD + generated random value
Administrative Contact		
4a. NIC Handle (if known):		Create as business
4b. (I)ndividual (R)ole		User supplied data
4c. Name (Last, First):		User supplied data
4d. Organization Name		User supplied data
4e. Street Address		User supplied data
4f. City		User supplied data
4g. State		User supplied data
4h. Postal Code:		User supplied data
4i. Country		User supplied data
4j. Phone Number		User supplied data
4k. Fax Number		User supplied data
4l. E-Mailbox		User supplied data
	customer password	generated
	Auth Question	What Color is the Sky
	Auth Answer	NTLD + generated random value
	Company Type	I

6.2 Template Replies

Two e-mail replies will now be sent to the Partner. The format of the TLD Template replies sent to the Partner will change slightly as compared to the MTS system. The Template reply for “success” will indicate that the order for the registration has been submitted to Network Solutions’ back-end systems (Reference **Appendix C – Template Restrictions**

Below are the value, string length and character restrictions for each line of the template.

Line 0a. = the value is “N” for New (1 character allowed, case of letter does not matter)
Line 0c. = the value is “U” for UserId, or “P” for Password (1 character allowed, case of letter does not matter)
Line 0c. = if entering UserID, the string length is maximum of 15 characters and (+) is not allowed
Line 0b. = if entering Password, the string length is minimum of 4 and maximum of 8 alphanumeric characters only

Line 1. = if .name domain name, then email forwarding address required if service desired.

Line 2. domain name may be up to 67 characters Item 2 is the second level (for .biz and .info) or second and third level (for .name) domain name(s), plus the top-level domain. This item is always required. Letters and numbers are always valid in domain names. Dashes (-) may be used, but may not begin nor end a domain name. Special characters are never valid in domain names. Domain names may be up to 67 characters in length, including the top-level .biz, .info or .name.

Line 3a. = string length is maximum of 50 characters and (.,)@&!'-)are not allowed
Line 3b. = string length is maximum of 41 characters and (.,#*()@&!'-)are not allowed
Line 3c. = string length is maximum of 30 characters and (.,'-)are not allowed
Line 3d. = US state is 2 letters only
Line 3e = US postal Code is 5 numeric characters only
Line 3f. = string length is maximum of 2 characters and they are letters only

Line 4a. = nic handle if known, otherwise blank
Line 4b. =if nic handle not known in Line 4a. then only the letter “i” or I allowed
Line 4c. = string length is maximum of 62 characters and (.,)@&!'-)are not allowed
Line 4d. = string length is maximum of 50 characters and (.,)@&!'-) are not allowed
Line 4e. = string length is maximum of 41 characters and (.,#*()@&!'-)are not allowed
Line 4f. = string length is maximum of 30 characters and (.,'-) are not allowed
Line 4g. = string length is maximum of 40 characters and(.,'-) are not allowed
Line 4h. = string length is maximum of 15 characters and (.,)'/#;+&\-) are not allowed
Line 4i. = string length is minimum and maximum of 2 characters which are letters only
Line 4j. = string length is minimum of 4 and maximum of 25 characters and (.,+(/) are not allowed
Line 4l. = is for the e-mail address

Line 5a. = nic handle if known or blank
Line 5b. = if nic handle not known in Line 5a. then only the letter “i” or “I” allowed
Line 5c. = string length is maximum of 62 characters and (.,)@&!'-)are not allowed
Line 5d. = string length is maximum of 50 characters and (.,)@&!'-) are not allowed
Line 5e. = string length is maximum of 41 characters and (.,#*()@&!'-)are not allowed
Line 5f. = string length is maximum of 30 characters and (.,'-) are not allowed

Line 5g. = string length is maximum of 40 characters and(.,'-) are not allowed

Line 5h. = string length is maximum of 15 characters and (.,()/#;+&\-) are not allowed

Line 5i. = string length is minimum and maximum of 2 characters which are letters only

Line 5j. = string length is minimum of 4 and maximum of 25 characters and (.,+(/) are not allowed

Line 5l. = is for the e-mail address

Leave section 6 (6a. thru 6l.) blank, as the system ignores any data in these fields.

Line 7a. = Existing primary server hostname

Line 7b. = Existing primary server ip address, must match the name servers authoritative registry and must not be modified

Line 8a. = Existing secondary server hostname

Line 8b. = Existing secondary server ip address

Line 9a. = String length is minimum of 1 and maximum of 2 numeric characters.

Number must be between 1 and 10.

Line 9b. = String length is minimum and maximum of 1 alphabetic character (“y” or “Y” for “n” or “N”)

Line 10a. = Partner ID of the Partner

Appendix D – TLD Template Submission Reply). Following the submission, a second e-mail notification will be sent which contains the actual result (success or failure) of the registration (**Reference Appendix E – Wholesale System Confirmation Reply**).

The first e-mail will contain the original Template and the Customer ID for the registrant. The second e-mail will be an entirely new format for current MTS users. It is the standard e-mail reply from the Wholesale System. It will contain the domain name requested, as well as the Customer ID. These two values, domain name and Customer ID, will be identical for both e-mail responses.

The first e-mail reply will be sent as soon as the TLD Template is validated and processed by the system, and an order has been submitted for the requested domain name. The second e-mail reply will be sent by the Network Solutions back-end system after the order completes. The time it takes to complete an order is usually less than one minute, depending on the load on the system. A sample e-mail that would be received upon order completion can be reviewed in **Appendix E – Wholesale System Confirmation Reply**.

If a TLD Template fails the validation phase, no order will be submitted to the Network Solutions back-end system. The Partner will receive an error response e-mail, similar to existing MTS error response e-mails. The Partner should correct the TLD Template and then resubmit the TLD Template for processing.

7. Checklist for Successful New TLD Registration

The following list contains the additional requirements needed to process a TLD Template. Normal field validation such as no disallowed characters in the domain name still applies. To ensure that a TLD Template is successfully processed by the Network Solutions system, Partners should use this checklist to confirm that the necessary changes have been made.

1. Ensure that Network Solutions has been provided a trusted mail-from address and IP address list (**Section 3**).
2. Ensure that Version 6.1 of the Template is being submitted.
3. Ensure that line 10a is a valid Partner ID, and not a BAPS or Channel identifier (**Section 4.2.1**).
4. Ensure that line 0a is “N” (**Section 5.2**).
5. Ensure that if line 0b is “U”, that line 0c is a valid Customer ID of a customer of the Partner specified on line 10a. If line 0b is anything other than “U”, Block 3 must contain complete registrant information (**Section 4.2.3**).
6. Ensure that lines 4b and 5b contain an existing contact or a new contact of type (I)ndividual and not type (R)ole.
7. Ensure that Block 7 and 8 are either empty (for parked domains) or contain valid information for *existing* name servers (**Section 5.2**).
8. Ensure that the TLD Template is submitted to the correct e-mail address, registerdomain@tld.networksolutions.com.
9. Ensure that only one Template is submitted per e-mail.

Appendix A -- v6.1 Template

The new TLD v6.1 domain name Template is included here as reference and can be downloaded at <ftp://ftp.networksolutions.com/partners/Templates/domain-template-gtld.txt>.

```
*****  
Please DO NOT REMOVE Version Number or any of the information  
below when submitting this template to Network Solutions  
*****
```

Domain Version Number: 6.1

```
*****  
IMPORTANT: Business Account Program Members and Premier Partners  
should email completed NEW domain requests to the mailto address  
you have been provided with.  
*****
```

AGREEMENT TO BE BOUND. By applying for a Network Solutions' service(s) through our online application process or by applying for and registering a domain name as part of our e-mail template application process or by using the service(s) provided by Network Solutions under the Network Solutions Service Agreement, you acknowledge that you have read and agree to be bound by the current terms and conditions of the Service Agreement and any pertinent rules or policies that are or may be published by Network Solutions.

Please find the current Network Solutions Service Agreement located at the URL:

http://www.networksolutions.com/en_US/legal/service-agreement.html

Explanation of Fields New to Template Version 6.1:

If the Registration Period is left blank, the default registration will be for 2 years for .biz and .info, and 1 year for all other gTLDs.

The information you supply on this form may be shared unless you opt out of the bulk Whois database as indicated in section 9b below. If you have any questions, please see the section entitled "With Whom We May Share Information" in our Privacy Policy available at http://www.networksolutions.com/en_US/legal/privacy-policy.html

[URL <ftp://www.networksolutions.com>] [1/2000]

Authorization

0a. (N)ew (M)odify (D)etelete.....:
0b. Auth Scheme.....:
0c. Auth Info.....:

1. Comments.....:
2. Complete Domain Name.....:

Organization Using Domain Name

3a. Organization Name.....:
3b. Street Address.....:
3c. City.....:

- 3d. State.....:
- 3e. Postal Code.....:
- 3f. Country.....:

Administrative Contact

- 4a. NIC Handle (if known).....:
- 4b. (I)ndividual (R)ole.....:
- 4c. Name (Last, First).....:
- 4d. Organization Name.....:
- 4e. Street Address.....:
- 4f. City.....:
- 4g. State.....:
- 4h. Postal Code.....:
- 4i. Country.....:
- 4j. Phone Number.....:
- 4k. Fax Number.....:
- 4l. E-Mailbox.....:

Technical Contact

- 5a. NIC Handle (if known).....:
- 5b. (I)ndividual (R)ole.....:
- 5c. Name (Last, First).....:
- 5d. Organization Name.....:
- 5e. Street Address.....:
- 5f. City.....:
- 5g. State.....:
- 5h. Postal Code.....:
- 5i. Country.....:
- 5j. Phone Number.....:
- 5k. Fax Number.....:
- 5l. E-Mailbox.....:

Billing Contact

- 6a. NIC Handle (if known).....:
- 6b. (I)ndividual (R)ole.....:
- 6c. Name (Last, First).....:
- 6d. Organization Name.....:
- 6e. Street Address.....:
- 6f. City.....:
- 6g. State.....:
- 6h. Postal Code.....:
- 6i. Country.....:
- 6j. Phone Number.....:
- 6k. Fax Number.....:
- 6l. E-Mailbox.....:

Primary Name Server

- 7a. Primary Server Hostname.....:
- 7b. Primary Server Netaddress.....:

Secondary Name Server(s)

- 8a. Secondary Server Hostname.....:
- 8b. Secondary Server Netaddress...:
- 8a. Secondary Server Hostname.....:
- 8b. Secondary Server Netaddress...:
- .
- .
- .

Up to 12 Secondary name servers are allowed.

- .
- .
- .

- 8a. Secondary Server Hostname....:
- 8b. Secondary Server Netaddress...:

Product/Service Options (For New Registrations Only)

- 9a. Registration Period (1-10yrs):
- 9b. Bulk Whois Optout (Y/N).....:

Channel Payment/Identifier Options

- 10a. Channel Identifier.....:

Appendix B -- Sample v6.1 TLD Templates

The following sample TLD Template illustrates how a Template Partner would acquire a new TLD domain name for a brand new customer. Entries shown in bold contain special data or different data as compared to the legacy MTS v6.0 Template.

```
*****  
Please DO NOT REMOVE Version Number or any of the information  
below when submitting this template to Network Solutions  
*****
```

Domain Version Number: 6.1

```
*****  
IMPORTANT: Business Account Program Members and Premier Partners  
should email completed NEW domain requests to the mailto address  
you have been provided with.  
*****
```

AGREEMENT TO BE BOUND. By applying for a Network Solutions' service(s) through our online application process or by applying for and registering a domain name as part of our e-mail template application process or by using the service(s) provided by Network Solutions under the Network Solutions Service Agreement, you acknowledge that you have read and agree to be bound by the current terms and conditions of the Service Agreement and any pertinent rules or policies that are or may be published by Network Solutions.

Please find the current Network Solutions Service Agreement located at the URL:

http://www.networksolutions.com/en_US/legal/service-agreement.html

Explanation of Fields New to Template Version 6.1:

If the Registration Period is left blank, the default registration will be for 2 years for .biz and .info, and 1 year for .name.

The information you supply on this form may be shared unless you opt out of the bulk Whois database as indicated in section 9b below. If you have any questions, please see the section entitled "With Whom We May Share Information" in our Privacy Policy available at http://www.networksolutions.com/en_US/legal/privacy-policy.html

[URL ftp://www.networksolutions.com] [1/2000]

```
Authorization  
0a. (N)ew (M)odify (D)elite.....: N  
0b. Auth Scheme.....: P  
0c. Auth Info.....: mypword  
  
1. Comments.....: ForwardEmailTo:jsmith@yahoo.com  
2. Complete Domain Name.....: john.smith.name  
  
Organization Using Domain Name  
3a. Organization Name.....: Joe Smith  
3b. Street Address.....: 111 Main St  
3c. City.....: Hometown  
3d. State.....: VA  
3e. Postal Code.....: 20153  
3f. Country.....: US
```

"N" is the only valid value. This TLD Template only supports a create new domain transaction.

"P" is used to indicate the parent is including the customer's password on line 0c. The password must be a string from 4-8 alphanumeric characters.

Data will be ignored if Field 1 is a .info or .biz domain. Keyword ForwardEmailTo is required if e-mail forwarding service is desired for a .name registration. Any comments without the keyword will be ignored. The forwarding e-mail address can't be the same as the domain name in Field 2. That is, **john@smith.name** is an invalid e-mail forwarding address for domain name: john.smith.name.

Note: .com, .net, .org, .info, .biz, .name, .tv, .cc, and .bz only

A new user is created using this data.

Administrative Contact

4a. NIC Handle (if known).....: SD4569-ORG
4b. (I)ndividual (R)ole.....
4c. Name (Last, First).....
4d. Organization Name.....
4e. Street Address.....
4f. City.....
4g. State.....
4h. Postal Code.....
4i. Country.....
4j. Phone Number.....
4k. Fax Number.....
4l. E-Mailbox.....

If a NIC Handle is supplied, the remaining data in the section is ignored. If the NIC Handle is not supplied, a new EDB contact is created.

4a & 5b must be an existing contact or a new contact of type (I)ndividual only.

4c & 5c must be in the format of: lastName, firstName if provided.

Technical Contact

5a. NIC Handle (if known).....: SD4569-ORG
5b. (I)ndividual (R)ole.....
5c. Name (Last, First).....
5d. Organization Name.....
5e. Street Address.....
5f. City.....
5g. State.....
5h. Postal Code.....
5i. Country.....
5j. Phone Number.....
5k. Fax Number.....
5l. E-Mailbox.....

If 7a and 8a are blank then section 5 is ignored and Network Solutions will assign the technical contact. If 7a and 8a are provided, existing contact will be used if a NIC handle is supplied, or a new contact will be created.

Any data entered in the Billing contact is IGNORED. The billing contact IS the Wholesaler.

Billing Contact

6a. NIC Handle (if known).....
6b. (I)ndividual (R)ole.....
6c. Name (Last, First).....
6d. Organization Name.....
6e. Street Address.....
6f. City.....
6g. State.....
6h. Postal Code.....
6i. Country.....
6j. Phone Number.....
6k. Fax Number.....
6l. E-Mailbox.....

If both 7a and 8a are blank the domain will be parked using Network Solutions name servers. Names servers must exist in the registry. Both the primary and the secondary name servers must be valid. Repeat 8a and 8b for multiple secondary name servers. Up to 12 secondary name servers are allowed.

Primary Name Server

7a. Primary Server Hostname.....: NS1.NS.com
7b. Primary Server Netaddress....: 244.33.22.11

Secondary Name Server(s)

8a. Secondary Server Hostname....: NS2.NS.com
8b. Secondary Server Netaddress..: 244.33.22.12
8a. Secondary Server Hostname....: NS3.NS.com
8b. Secondary Server Netaddress..: 244.33.22.13
.
.
.

Product/Service Options (For New Registrations Only)

9a. Registration Period (1-10yrs): 2
9b. Bulk Whois Optout (Y/N).....: N

This value must match the Partner ID of the Partner (NOT the BAPS ID).

Channel Payment/Identifier Options

10a. Channel Identifier.....: **1475444**

The following sample Template illustrates how a Template Partner would acquire a domain for an existing customer. Entries shown in bold contain special data or different data as compared to the legacy v6.0 Template.

Authorization

0a. (N)ew (M)odify (D)elete.....: **N**

0b. Auth Scheme.....: **U**

0c. Auth Info.....: **15778332**

1. Comments.....: ForwardEmailTo:jsmith@yahoo.com

2. Complete Domain Name.....: **john.smith.name**

Organization Using Domain Name

3a. Organization Name.....:

3b. Street Address.....:

3c. City.....:

3d. State.....:

3e. Postal Code.....:

3f. Country.....:

Administrative Contact

4a. NIC Handle (if known).....: SD4569-ORG

4b. (I)ndividual (R)ole.....:

4c. Name (Last, First).....:

4d. Organization Name.....:

4e. Street Address.....:

4f. City.....:

4g. State.....:

4h. Postal Code.....:

4i. Country.....:

4j. Phone Number.....:

4k. Fax Number.....:

4l. E-Mailbox.....:

Technical Contact

5a. NIC Handle (if known).....: SD4569-ORG

5b. (I)ndividual (R)ole.....:

5c. Name (Last, First).....:

5d. Organization Name.....:

5e. Street Address.....:

5f. City.....:

5g. State.....:

5h. Postal Code.....:

5i. Country.....:

5j. Phone Number.....:

5k. Fax Number.....:

5l. E-Mailbox.....:

Billing Contact

6a. NIC Handle (if known).....:

6b. (I)ndividual (R)ole.....:

6c. Name (Last, First).....:

6d. Organization Name.....:

6e. Street Address.....:

6f. City.....:

6g. State.....:

6h. Postal Code.....:

6i. Country.....:

6j. Phone Number.....:

6k. Fax Number.....:

6l. E-Mailbox.....:

The "U" indicates that the User ID on line 0c is an existing customer of the partner (see 10a).

This is the User ID that identifies the registrant for the new domain.

Keyword ForwardEmailTo is required if e-mail forwarding service is desired for a .name registration. Any comments without the keyword will be ignored. The forwarding e-mail address can't be the same as the domain name in Field 2. That is, john@smith.name is an invalid e-mail forwarding address for domain: john.smith.name. Comment field will be ignored if Field 2 is another TLD domain..

Any data entered in section 3 is ignored if a user ID exists on line 0c and 0b is "U"

4c & 5c must be in the format of : lastName, firstName if provided.

If a NIC Handle is supplied the remaining data in the section is ignored. If the NIC Handle is not supplied a new EDB contact is created

4c & 5c must be in the format of : lastName, firstName if provided.

If 7a and 8a are blank then section 5 is ignored and Network Solutions will assign the technical contact. If 7a and 8a are provided , existing contact will be used if a NIC handle is supplied, or a new contact will be created.

Any data entered in the Billing contact is IGNORED. The billing contact IS the Wholesaler.

Primary Name Server
7a. Primary Server Hostname.....: NS1.NS.com
7b. Primary Server Netaddress.....: 244.33.22.11

Secondary Name Server(s)
8a. Secondary Server Hostname.....: NS2.NS.com
8b. Secondary Server Netaddress...: 244.33.22.11
8a. Secondary Server Hostname.....:
8b. Secondary Server Netaddress...:
.
.
.

Product/Service Options (For New Registrations Only)
9a. Registration Period (1-10yrs): 2
9b. Bulk Whois Optout (Y/N).....: N

Channel Payment/Identifier Options
10a. Channel Identifier.....: **1475444**

If both 7a and 8a are blank the domain will be parked using Network Solutions name servers. Names servers must exist in the registry. Both the primary and the secondary name server must be valid.

Repeat 8a and 8b for multiple secondary name servers. Up to 12 secondary name servers are allowed.

This value must match the Partner ID of the Partner (NOT the BAPS ID).

Appendix C – Template Restrictions

Below are the value, string length and character restrictions for each line of the template.

Line 0a. = the value is “N” for New (1 character allowed, case of letter does not matter)
Line 0c. = the value is “U” for UserId, or “P” for Password (1 character allowed, case of letter does not matter)
Line 0c. = if entering UserID, the string length is maximum of 15 characters and (+) is not allowed
Line 0b. = if entering Password, the string length is minimum of 4 and maximum of 8 alphanumeric characters only

Line 1. = if .name domain name, then email forwarding address required if service desired.

Line 2. domain name may be up to 67 characters Item 2 is the second level (for .biz and .info) or second and third level (for .name) domain name(s), plus the top-level domain. This item is always required. Letters and numbers are always valid in domain names. Dashes (-) may be used, but may not begin nor end a domain name. Special characters are never valid in domain names. Domain names may be up to 67 characters in length, including the top-level .biz, .info or .name.

Line 3a. = string length is maximum of 50 characters and (.,()@&!'-)are not allowed
Line 3b. = string length is maximum of 41 characters and (.,#*()@&'-)are not allowed
Line 3c. = string length is maximum of 30 characters and (.,'-)are not allowed
Line 3d. = US state is 2 letters only
Line 3e = US postal Code is 5 numeric characters only
Line 3f. = string length is maximum of 2 characters and they are letters only

Line 4a. = nic handle if known, otherwise blank
Line 4b. =if nic handle not known in Line 4a. then only the letter “i” or I allowed
Line 4c. = string length is maximum of 62 characters and (.,()@&!'-)are not allowed
Line 4d. = string length is maximum of 50 characters and (.,()@&!'-) are not allowed
Line 4e. = string length is maximum of 41 characters and (.,#*()@&'-)are not allowed
Line 4f. = string length is maximum of 30 characters and (.,'-) are not allowed
Line 4g. = string length is maximum of 40 characters and(.,'-) are not allowed
Line 4h. = string length is maximum of 15 characters and (.,()'/#;+&'-) are not allowed
Line 4i. = string length is minimum and maximum of 2 characters which are letters only
Line 4j. = string length is minimum of 4 and maximum of 25 characters and (.,+(/)) are not allowed
Line 4l. = is for the e-mail address

Line 5a. = nic handle if known or blank
Line 5b. = if nic handle not known in Line 5a. then only the letter “i” or “I” allowed

Line 5c. = string length is maximum of 62 characters and (.,()@&'!) are not allowed
Line 5d. = string length is maximum of 50 characters and (.,()@&'!) are not allowed
Line 5e. = string length is maximum of 41 characters and (.,#*()@&'!) are not allowed
Line 5f. = string length is maximum of 30 characters and (.,!) are not allowed
Line 5g. = string length is maximum of 40 characters and (.,!) are not allowed
Line 5h. = string length is maximum of 15 characters and (.,()/#;+&\) are not allowed
Line 5i. = string length is minimum and maximum of 2 characters which are letters only
Line 5j. = string length is minimum of 4 and maximum of 25 characters and (.,+()/) are not allowed
Line 5l. = is for the e-mail address

Leave section 6 (6a. thru 6l.) blank, as the system ignores any data in these fields.

Line 7a. = Existing primary server hostname
Line 7b. = Existing primary server ip address, must match the name servers authoritative registry and must not be modified

Line 8a. = Existing secondary server hostname
Line 8b. = Existing secondary server ip address

Line 9a. = String length is minimum of 1 and maximum of 2 numeric characters.
Number must be between 1 and 10.
Line 9b. = String length is minimum and maximum of 1 alphabetic character (“y” or “Y” for “n” or “N”)

Line 10a. = Partner ID of the Partner

Appendix D – TLD Template Submission Reply

Below is an example of the success message that is sent back to the Partner when a TLD Template is successfully submitted to the Network Solutions back-end system.

Subject: RE: (Subject line that you supplied with the Template submission)

Dear Partner,

Network Solutions has received your template submission. You will be notified of the status of your request for domain name registration in a subsequent e-mail. This e-mail will indicate "success" if the order was successfully completed or "failure" if it could not be processed.

If you are experiencing any difficulties or have any questions, please contact your Partner Support Team or premiersupport@networksolutions.com.

Thank you for your continued business.

Sincerely,
Network Solutions(R) Partner Program

Important: Your Network Solutions services are subject to the terms and conditions set forth in our Partner Agreement.

Please note: This e-mail was sent from a notification-only address and cannot receive incoming e-mail messages or replies. If you need to e-mail us, contact your Partner Support Team or premiersupport@networksolutions.com.

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Appendix E – Wholesale System Confirmation Reply

Below is an example of the e-mail reply that the Wholesale System will send to the Partner when the order for the Domain Name completes. It contains the success notification. It also contains the Domain Name and User ID associated with this order. If the User ID was not specified in the original Template (line 0b “U”), this will be the first notification to the Partner of the User ID that was created for the registrant.

Subject: Your Order Submission of {DOMAIN_NAME} (Order Number) Was Successful

Dear Partner,

We have successfully processed your order submission to register a domain name. For your reference, detailed information on the order is listed below. The template that you submitted for this registration is also attached at the end of this e-mail.

If you are experiencing any difficulties or have any questions, please contact your Partner Support Team or premiersupport@networksolutions.com.

Thank you for your continued business.

Sincerely,
Network Solutions(R) Partner Program

Important: Your Network Solutions services are subject to the terms and conditions set forth in our Partner Agreement.

Please note: This e-mail was sent from a notification-only address and cannot receive incoming e-mail messages or replies. If you need to e-mail us, contact your Partner Support Team or premiersupport@networksolutions.com.

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Order Information (dreg27)

Order ID: 70290306

Customer ID: 21459360

Specific order id to reference the transaction.

This is the User ID that identifies the registrant for the new Product.

Wei White (FHROUBILSI)
One Easy Street
Centreville, VA 20121
US

Domain Name: TEST-DOMAIN-0725.INFO

Administrative Contact:

Rob Defazio (AVOPVBSWSI) drob@aps.com
2033334567

Technical Contact:

Rob Defazio (VWCJBESBI) drob@aps.com
2033334567

Billing Contact:

(AS1581-ORG) test@tokyo.com
704-222-2222

Record last updated on 25-Jul-2002.

Domain servers in listed order:

NS1.TEST-CCTLD-001-06-04.BE	219.88.17.32
NS2.TEST-CCTLD-001-06-04.BE	209.4.18.24

=====
Submitted Template (omitted for brevity)
=====

Appendix F – Template Parsing Error Message

Sample Response for a Template with Errors

Below is an example of a response e-mail that would be generated by submitting a TLD Template with errors.

Subject: Your Order Submission for {DOMAIN_NAME} Was Not Successful

Dear Partner,

We are not able to process your request to register a domain name. For your reference, detailed information on your request and why it was not successfully processed is listed below.

=====
Reason the Order was Not Successful (dreg08)
=====

Error: Invalid domain name in Item 2. A .NAME domain requires the second- and third-level names. The second level name must be at least 3 characters and can not be a number.
=====

In order for us to process this registration, you should correct the error above and return this form to hostmaster@networksolutions.com. The template that you submitted is listed below for your reference. A complete glossary of all possible errors is available in the TLD Registration Documentation.

If you are experiencing any difficulties or have any questions, please contact your Partner Support Team or premiersupport@networksolutions.com.

Thank you for your continued business.

Sincerely,
Network Solutions(R) Partner Program

Important: Your Network Solutions services are subject to the terms and conditions set forth in our Partner Agreement.

Please note: This e-mail was sent from a notification-only address and cannot receive incoming e-mail messages or replies. If you need to e-mail us, contact your Partner Support Team or premiersupport@networksolutions.com.

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Submitted Template (omitted for brevity)

Parse Errors and Messages

The system will produce two types of error messages, *invalid value* or *required*. Both of these errors will result in one of the following messages being generated about that field.

Item 0a

Item 0a is the registration action type and is always required. The valid value for this item is “N” or New.

Item 0b

Item 0b is the registrant’s customer ID to indicate a returning customer, or a customer password for a new customer. Valid values for TLD Templates are “U” /“UserId”, or “P”/”Password”.

Item 0c

Item 0c is the information used to provide the UserID or password for a Partner’s customer. It is required if item 0b is “U” or “P”.

Item 1

Item 1 is used to specify the mail address to which the e-mails sent to .name domain address are forwarded. The correct format is: ForwardEmailTo:emailAddress. The mail forwarded to address cannot be .name domain address itself.

Item 2

Item 2 is the second level (for .biz and .info) or second and third level (for .name) domain name(s), plus the top-level domain. This item is always required. Letters and numbers are always valid in domain names. Dashes (-) may be used, but may not begin nor end a domain name. Special characters are never valid in domain names. Domain names may be up to 67 characters in length, including the top-level .biz, .info or .name. As a second level example only, EXAMPLE.INFO is a valid second-level domain name containing twelve characters. FIRSTNAME.LASTNAME.NAME is an example of a domain name with a second and third level domain name as well as the top-level domain.

Item 3a

Item 3a is the name of the organization requesting the domain name, also known as the registrant. It is required for new domain name registrations if 0b is not UserID.

Item 3b-3f

Items 3b-3f are the postal address of the organization using the domain name, also known as the registrant. Item 3b (Street Address) is always required. Items 3c-3e (City, State, and Postal Code) are required for all US addresses. Item 3f (Country) is always required and must be an ISO-3166 two-letter country code. A listing of ISO-3166 two-letter country codes is available at <http://www.iana.org/cctld/cctld.htm>.

Item 4a

Item 4a must be left blank during the registration of a new administrative contact.

Item 4b

Item 4b is the type of the administrative contact, and is required if item 4a is left blank. Item 4a may be left blank if the Administrative Contact's NIC handle is unknown.

Item 4c

Item 4c is required if item 4a is blank. Item 4c is the name of the administrative contact. Items 4e-4i, the postal address of the Administrative Contact, are required if item 4a is blank. Item 4e (Street Address) is always required. Items 4f-4h (City, State, and Postal Code) are required for all US addresses. Item 4i (Country) is always required and must be an ISO-3166 two-letter country code. A listing of ISO-3166 two-letter country codes list is available at <http://www.iana.org/cctld/cctld.htm>

Item 4j

Item 4j, the phone number of the Administrative Contact, is required if item 4a is blank.

Item 4l

Item 4l, the e-mailbox of the Administrative Contact, is required if item 4a is blank.

Item 5a-5l

Item 5a-5l is used for the Technical Contact. Technical contacts are either Network Solutions or the Admin Contact, and so these fields are ignored.

Item 6a-6l

Item 6a-6l is used for the Billing Contact, all Billing contacts are the Partner and so these fields are ignored.

Item 7a

Item 7a, the Primary Server Hostname must exist in the name servers authoritative registry, no new name servers can be created using this process.

Item 7b

Item 7b, the Primary Server Net Address must match the name servers authoritative registry, no modification to the existing name servers can be done using this process.

Item 8a

Item 8a, the Secondary Server Hostname must exist in the name servers authoritative registry, no new name servers can be created using this process. The number of secondary name servers specified in 8a must be equal to or less than 12. Redundant secondary name servers in item 8a are not allowed. In addition, the primary name server cannot be used in secondary name server list.

Item 8b

Item 8b, the Secondary Server Net Address must match the name servers authoritative registry, no modification to the existing name servers can be done using this process.

Item 9a

Item 9a is the initial registration period. For .biz and .info domains, it should be a number between 2 and 10 indicating an initial registration period of 2 to 10 years. For .name domain products, it should be a number between 1 and 10 indicating an initial registration period of 1 to 10 years. The full fee for the initial registration period is due at time of registration. If it is left blank the registration period shall be 2 years for .biz and .info domain names and 1 year for .name domain products.

Item 9b

Item 9b valid values are “Y” and “N”. The default value is “N”.

Item 10a

Item 10 is used to indicate the Partner ID that this domain will be associated with. The ID must be the Partner ID you were given as part of the TLD registration process.

Other Error Messages

The system will also produce errors if the Templates are not submitted correctly or the wrong version of the Template is utilized.

Multiple submission error

Each e-mail can contain only one Service Agreement Template v6.1. Please correct and resubmit it to registerdomain@tld.networksolutions.com

Improper Template Version

We have received your Domain Name Registration Agreement, but are unable to process it because the Template version is not correct. Please resubmit your request on Service Agreement Template v6.1

This version of the Service Agreement Template can be found at
<ftp://ftp.networksolutions.com/partners/Templates/domain-template-gtld.txt>