



Consolidated ccTLD Name Store Q3 2004 Communication Update

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September 2004

Outline of Presentation

- + Review Consolidated ccTLD Platform
 - + Business Rule consolidation to be consistent with com/net
 - + Update EPP and RRP platforms to current versions and decommission Legacy cc/tv APIs and provisioning methods
 - + Introduce Name Store Customer Manager Tool
- + Review Current Timeline
- + Migration Plan

Consolidated TLD Platform

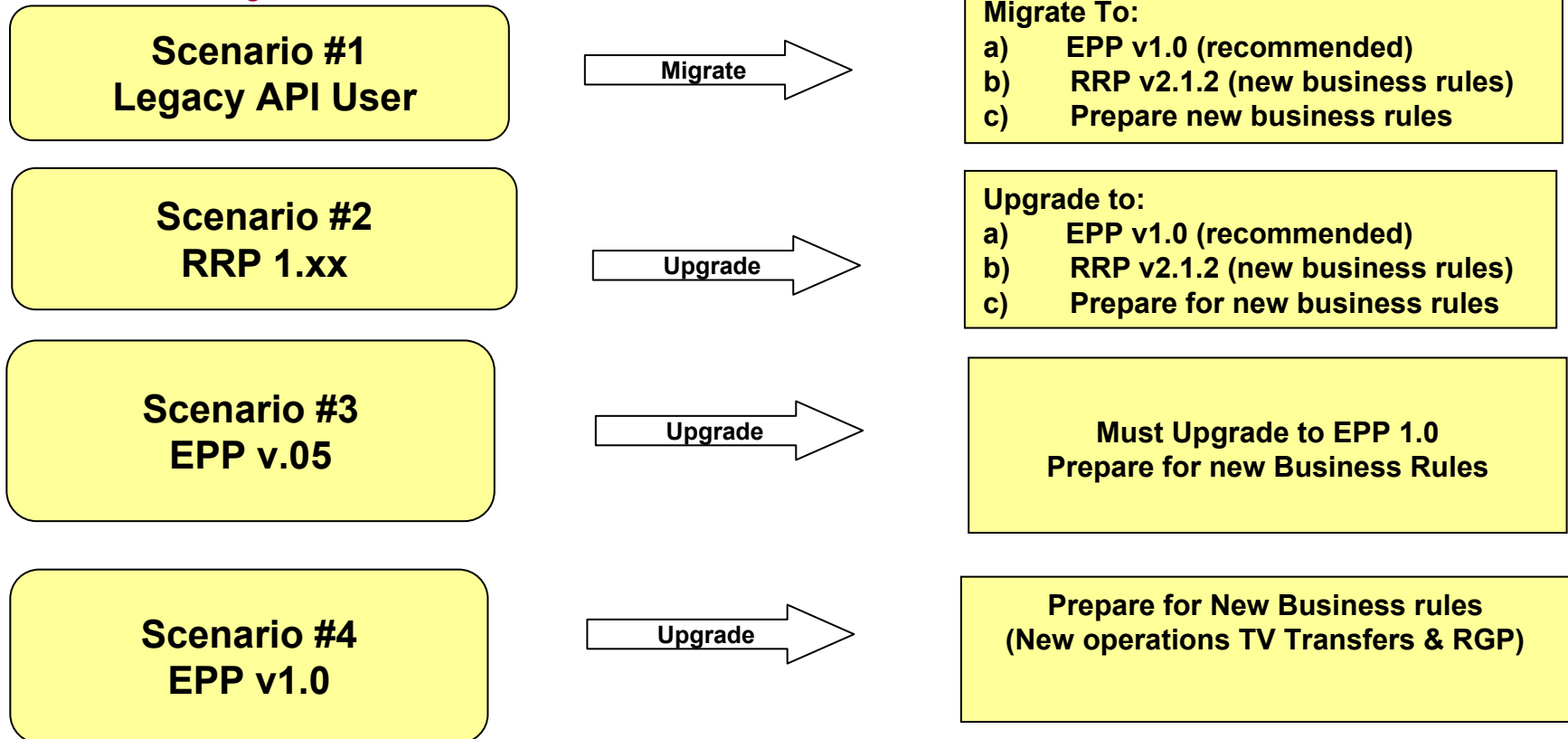
Registries supported	Current interfaces	Future interface	Benefits to partners
+ TV + CC + BZ	+ EPP .05 + EPP 1.0 (https only) + RRP version 1.1.0 and 1.4.0 + .TV API (Legacy interfaces) + .CC API / eNIC (Legacy interfaces)	+ EPP 1.0 (https or SSL) with new business rules + RRP 2.1.2 + Legacy interfaces will be decommissioned in December	1. Single interface to all VeriSign Supported Registries 2. Reduced operational and customer complexity 3. Access to a web-based self-service customer admin tool

This change will affect all Registrars currently selling CC, TV, and BZ (regardless if you use RRP, EPP, or a legacy API interfaces)

Consolidated ccTLD Platform: Protocol Changes

RECOMMENDATION: Now is the time for Registrars to move to EPP. VeriSign is committed to the Name Store as the central platform for all products. We will continue to support RRP through 2004. In 2005, we are tentatively scheduled to begin decommissioning the RRP interfaces.

Protocol Changes



SDK Upgrades

DEC 2003: EPP .05 – Name Store – SDK - 1.1.05

- Name Store opened
- Regional ccTLD program

May 2004: EPP 1.0 – Name Store – SDK – 2.5.0.5

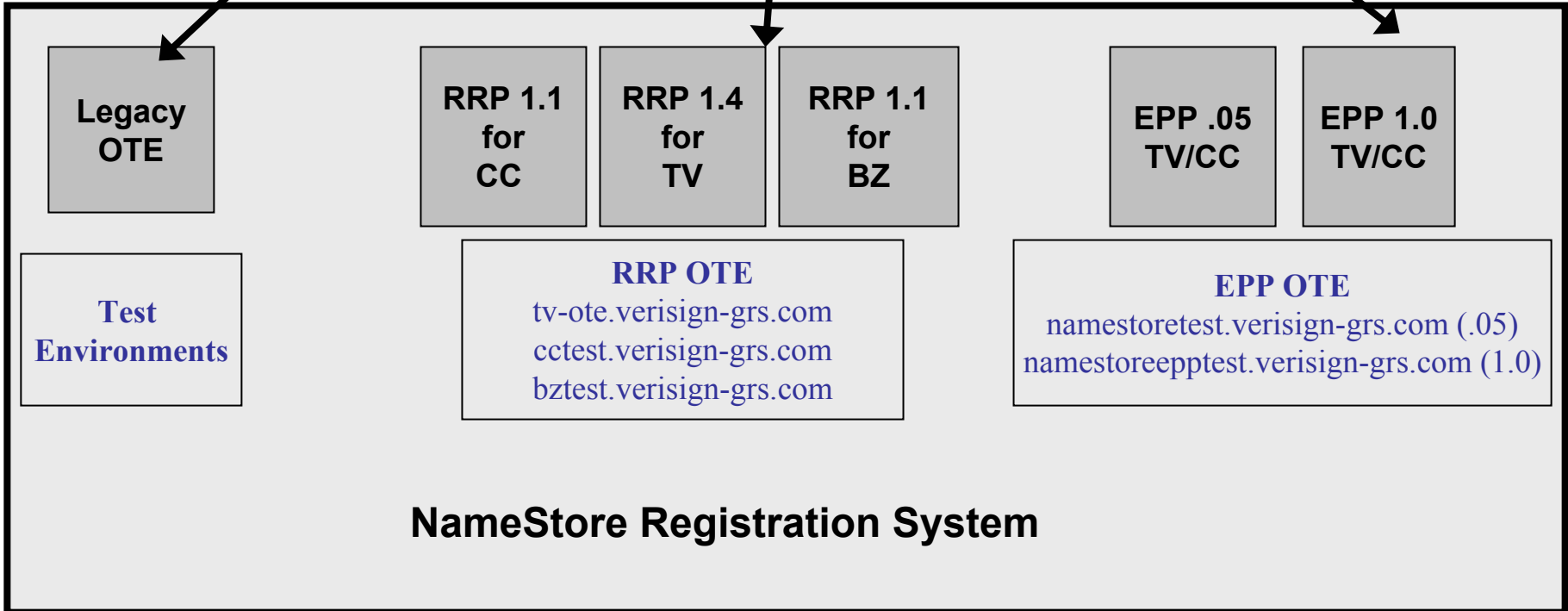
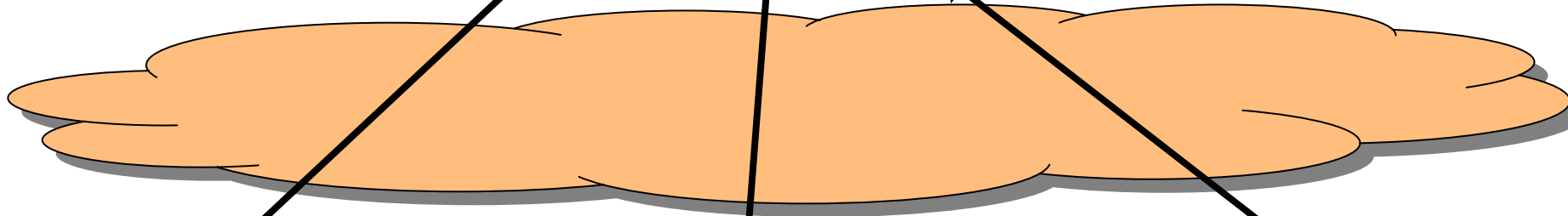
- TV & CC added

AUG 2004: Consolidated EPP 1.0 – Name Store – SDK – 3.0.0.5

- Consolidated business rules added for TV & CC

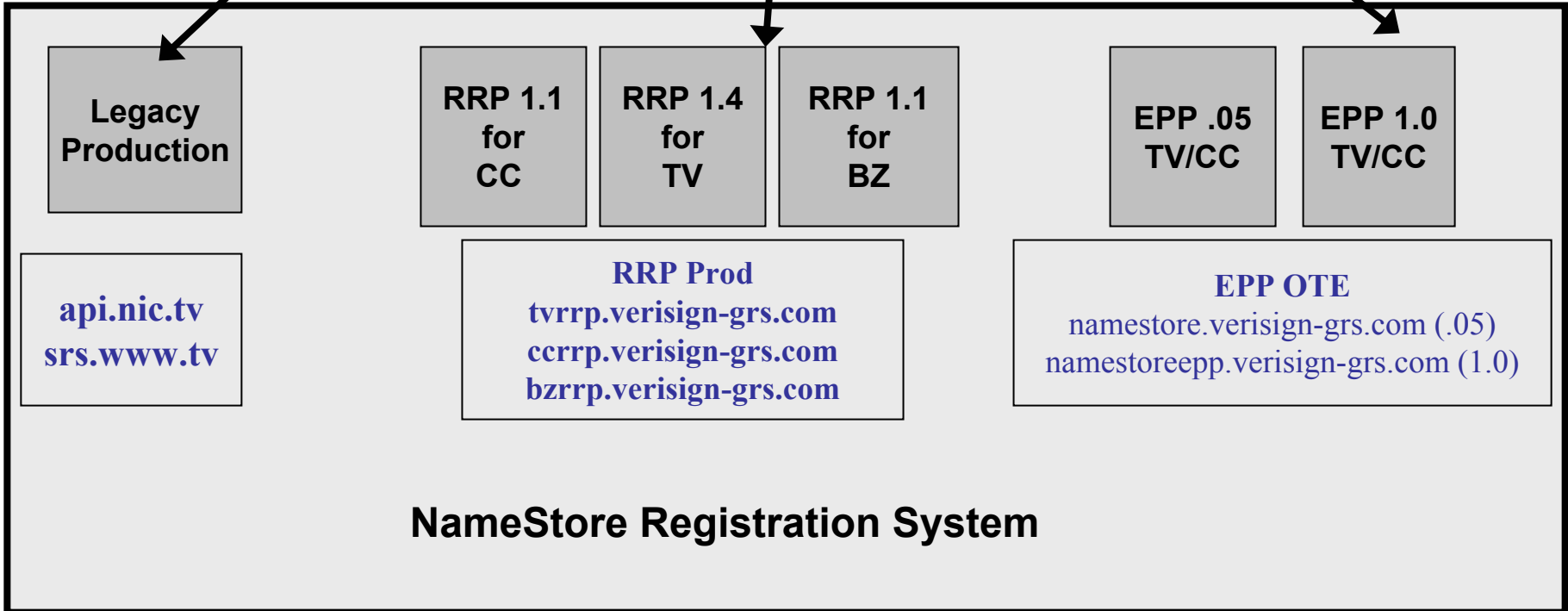
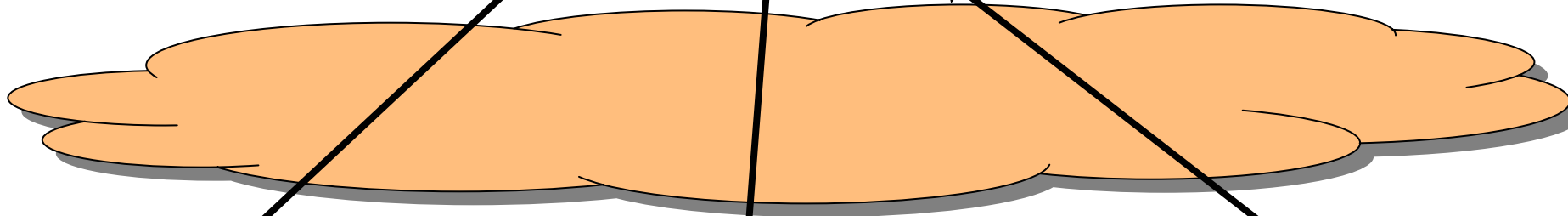
Current OTE Infrastructure

REGISTRARS



Current Production Infrastructure

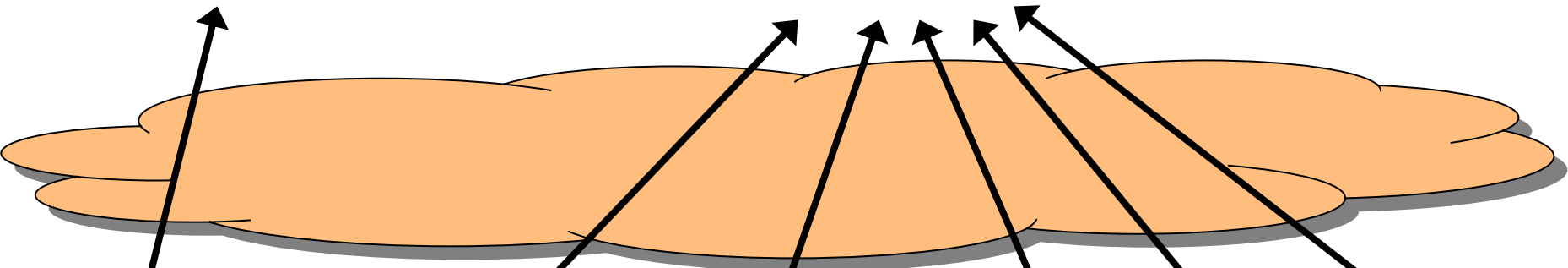
REGISTRARS



Current OTE Infrastructure



REGISTRARS



NameStore Registration System

No web-based OTE Tool

Legacy OTE

RRP/SSL for CC

RRP/SSL for TV

RRP/SSL for BZ

EPP/SSL for CC/TV/BZ/RCCTLD

api.nic.tv
srs.www.tv

RRP Production
tvrp.verisign-grs.com
ccrrp.verisign-grs.com
bzrrp.verisign-grs.com

Current Production Infrastructure



Legacy

http
https

api.nic.tv
srs.www.tv

RRP

v1.4 (tv)
v1.1 (cc)
v1.1 (bz)

RRP Production
tvrp.verisign-grs.com
ccrrp.verisign-grs.com
bzrrp.verisign-grs.com

EPP

v.05
v.1.0

Production
namestore.verisign-grs.com (.05)
namestoreepp.verisign-grs.com (1.0)

OT&E Infrastructure on 9/23/04

EPP registrars

EPP

OTE Server Name for EPP HTTPS (v.05)
namestoretest.verisign-grs.com Port 443

OTE Server Name for EPP HTTPs (v.1.0)
namestoreeptest.verisign-grs.com Port 443

OTE Server Name for EPP TCP (SSL) (v.1.0)
xxx.verisign-grs.com Port 443

OTE Server Name for EPP HTTPS (v.1.0)
yyy.verisign-grs.com Port 443

RRP registrars
add web based tool

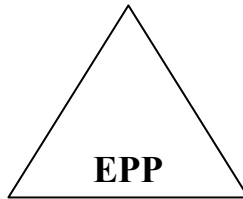
RRP

RRP OTE Environments 1.XX
tv-ote.verisign-grs.com Port 648
cctest.verisign-grs.com Port 748
bztest.verisign-grs.com Port 948
trrp1.verisign-grs.com (com/net) Port 648

OTE Server Name Consolidated OTE RRP 2.1.2
hhh.verisign-grs.com (TV)
aaa.verisign-grs.com (CC)
bbb.verisign-grs.com (BZ)
ddd.verisign-grs.com (Com/Net)

OT&E Infrastructure after 12/14/04 Launch

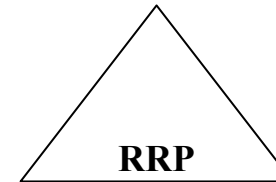
EPP registrars



New OTE Server Name for EPP TCP (SSL) (v.1.0)
xxx.verisign-grs.com

New OTE Server Name for EPP HTTPS (v.1.0)
yyy.verisign-grs.com

RRP registrars



RRP OTE Environments
trrp1.verisign-grs.com (com/net)

New OTE Server Name Consolidated OTE RRP
hhh.verisign-grs.com (TV)
aaa.verisign-grs.com (CC)
bbb.verisign-grs.com (BZ)
ddd.verisign-grs.com (Com/Net)

Current Production Infrastructure

EPP registrars

EPP

EPP v 1.0 (HTTPS)
namestoreepp.verisign-grs.com Port 443

EPP v.05
namestore.verisign-grs.com Port 443

RRP registrars

RRP

RRP
tvrrp.verisign-grs.com Port 648
ccrrp.verisign-grs.com Port 748
bzrrp.verisign-grs.com Port 948

Production Infrastructure after 12/14/04 Launch

EPP registrars

EPP

New Server Name for EPP TCP (SSL) (v.1.0)
xxx.verisign-grs.com

New Server Name for EPP HTTPS (v.1.0)
yyy.verisign-grs.com

RRP registrars

RRP

RRP Production Environment
rrp.verisign-grs.com (com/net) Port 648
no change

New Server Names Consolidated RRP
hhh.verisign-grs.com (TV)
aaa.verisign-grs.com (CC)
bbb.verisign-grs.com (BZ)

Consolidated TLD Platform: Timeline & Next Steps

August

1. 8/30: VeriSign releases the updated version EPP SDK (v3.0) for consolidated platform.
2. This SDK will contain TCP/SSL connection method and new business operations.

September

1. 9/23: New OT&E environment are enabled for EPP and RRP.

October

1. Registrars with legacy IDNs are contacted by VeriSign
2. Registrars begin contacting their customers regarding punycode migration

December

1. 12/14: Consolidated TLD platform is launched

Spring 2005

1. Com/Net deployed to Name Store production environment

Next Steps

1. EPP 1.0 registrars must implement the new business rules by 12/14
2. EPP .05 registrars must cut over to EPP 1.0 and implement new business rules by 12/14
3. RRP registrars must upgrade to RRP 2.1.2 by 12/14.
4. Legacy API registrars must upgrade EPP or RRP by 12/14

Migration Notes

- + RRP – EPP Statuses
- + Grace periods
- + AUTH INFO & Transfers
- + IDN program
- + Product Changes

Important Notes on RRP/EPP Mappings

- + **Registrars using EPP will be referencing the EPP statuses**
- + **Registrars using RRP will be referencing the RRP statuses**
- + **The Mapping Table is important because the EPP statuses will be used by the Registry in the following manner:**
 - + **Name Store Manager web based tool will only reference EPP statuses**
 - + **Consolidated Whois Port 43 servers will display EPP statuses only**
 - + **All Registrar reports will reference EPP statuses**

RRP -> EPP Mappings

RRP Status	EPP Mapping
ACTIVE	OK
Registrar-HOLD	Client Hold
	Client Update prohibited
	Client Transfer prohibited
	Client Delete Prohibited
Registrar-LOCK	Client Update prohibited
	Client Transfer prohibited
	Client Delete Prohibited
ACTIVE (will be displayed if no other statuses are set, but explicit renewals not allowed)	Client Renew Prohibited
Registry-HOLD	Server Hold
	Server Transfer prohibited
	Server Delete Prohibited
	Server Update Prohibited

RRP-EPP Mappings Continued

RRP Status	EPP Mapping
Registry-LOCK	Server Update Prohibited
	Server Transfer Prohibited
	Server Delete Prohibited
ACTIVE (will be displayed but explicit renewals not allowed)	Server Renew Prohibited
PendingDelete	Pending Delete
Pending Transfer	Pending Transfer
RedemptionPeriod	Redemption Period
Pending Restore	Pending Restore

RRP – EPP Statuses (Hosts)



RRP Status	EPP mapping
	OK
	Linked
LOCK	Server Update Prohibited
	Server Delete Prohibited
LOCK	Client Update Prohibited
	Client Delete Prohibited

Grace Periods

- + Grace periods will be cut off on 12/14
- + No Grace periods will be migrated as part of the cut-over on 12/14
- + VeriSign's Finance team will issue manual credits

- + **Example:**
 1. abc.cc added 12/12/04
 2. Add Grace period is 5 days
 3. On 12/14, Consolidated Launched
 4. 5 Day grace period immediately ended as part of migration
 5. If deleted between 12/14 -> 12/16, finance will issue credit

Other Notes

- + Domains in Pending Delete state at the time of the migration will be deleted.
- + Domains in a Transfer Status will be cancelled

Transfers

- + EPP 1.0 supports the AUTH INFO attribute
- + AUTH INFO validation will *not* be done by VeriSign on Transfer requests
- + Recommendation: Insert a valid auth_info value to initiate a Transfer
- + After COM/NET is added to the name store in Spring 2005, we will set a date to enable the AUTH INFO command.

Summary

- + Auth_Info required for Domain Creates
- + You can initiate Transfers without passing an Auth Info code.
- + Best Practice recommendation: Insert Auth_Info codes now even though VRSN is not validating them.

Transfer Recommendation Prior to 12/14

Registrars should not initiate Transfers 5 days before the December 12/14/04 cut-over.

Whois Note

- + Currently, TV/CC/BZ do not require a WHOIS service to be established. However, with the changes to the Transfer process, registrars will be required to offer a TV/CC/BZ whois service.

IDN Program

- + TV/CC IDNs will be IDN encoded and converted to punycode by VeriSign Registry
 - + First come first serve for any name collisions
 - + If any name is rendered invalid by the new standard a credit for the remaining years of the registration will be provided to the affected registrars
- + TV/CC IDNs will then be published in their punycode format to the tv/cc zone files
- + VeriSign will generate variants for tv/cc IDNs
- + VeriSign will not support web-based navigation for tv/cc IDNs.
- + Resolution of any tv and cc IDN will require the use of a plug-in that properly encodes
- + No IDN program for BZ

- + We will be providing a report of all IDNs to registrars (should they have any registered).
- + This report will allow registrars to contact their customers and inform them of the change on 12/14.

Consolidated TLD Platform

Summary of Changes by ccTLD

CC

1. Delete process will change (RGP)
2. Restrictions on domain name registration would be removed
3. Sync Functionality added
4. Registrar Reports
5. Implement a whois service
6. IPv6 registration supported

TV

1. Auto-Renew grace period moved from 30 days to 45 days
2. Accounts cannot be funded by Credit Card. Use the Name Store Manager Account
3. Transfer capability introduced
 - a) EPP registrars will use the Poll Queue for notifications
 - b) RRP registrars will receive email notifications
4. Registrar Reports will be available
5. Delete process changed (RGP)
6. Sync added
7. Implement a whois service
8. IPv6 registration supported

BZ

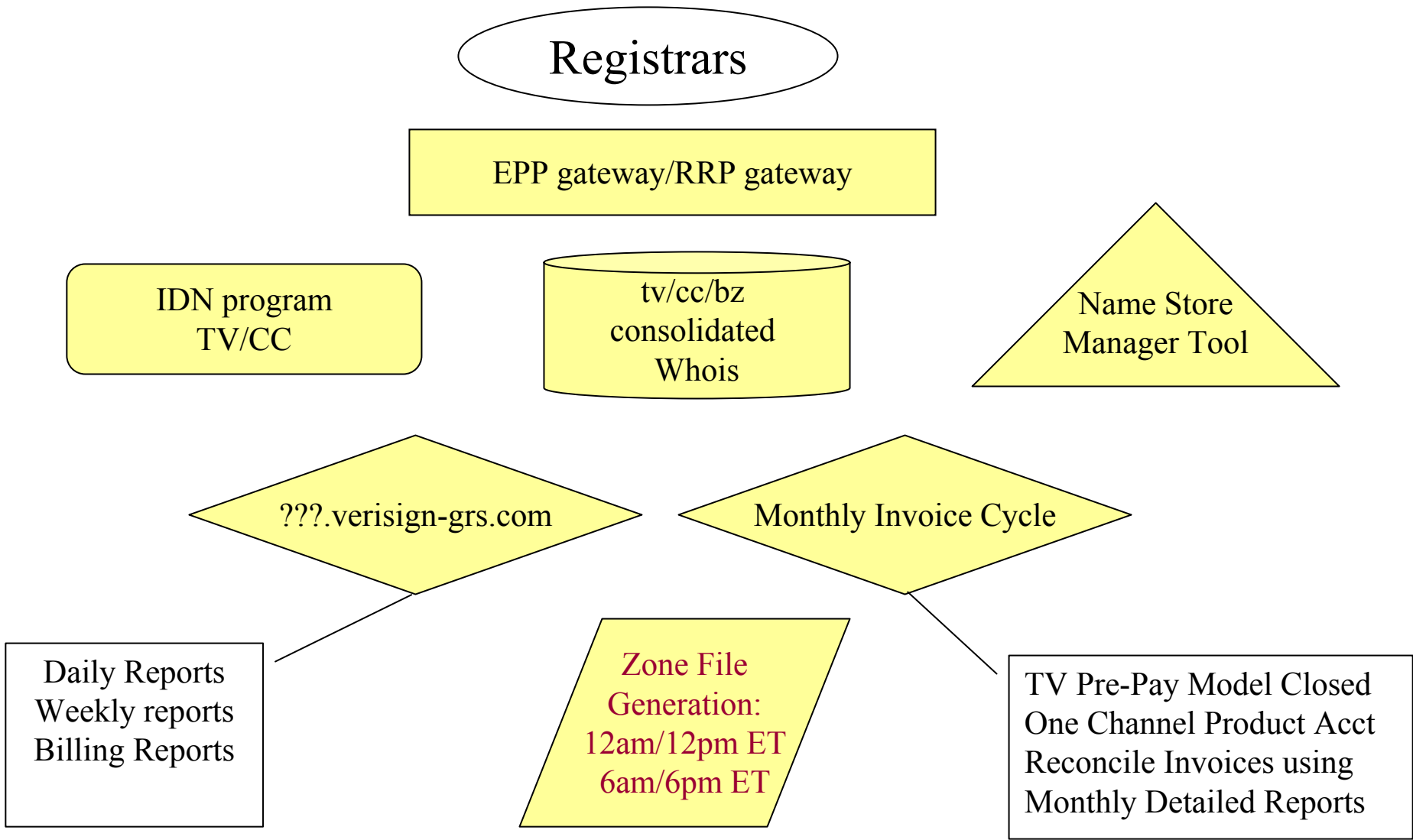
1. Delete process will change (RGP)
2. Registrars can elect to use the Name Store to sell BZ domain names.
3. Sync added
4. IPv6 registration supported
5. Implement a Whois service

NCC Tool

- + **Two Credentials:**
 - + ADMIN User ID & Password: Used to access the NCC tool
 - + Name Store User ID and Password: Used to access the production interface
- + **ADMIN Passwords will be issued to authorized registrar contacts in November 2004**

Review Demo of Name Store Manager Tool

End State of Consolidated Launch



Registrar Next Steps

- 1. EPP Registrars need to be on EPP 1.0 no later than 12/14/04**
- 2. RRP registrars need to be on RRP 2.1.2 no later than 12/14/04**
- 3. Access Name Store OTE on 9/23/04.**
- 4. IDN Registrars contact their registrants beginning October 2004**
- 5. December 14th system is Live.**

Consolidated ccTLD Platform

Thank you for attending the Presentation!

Questions:

Visit our project specific web pages at

www.verisign.com/nds/naming/namestore/tld

Or call Customer Service

+1 703 925 6999

info@verisign-grs.com

Chris Sheridan, csheridan@verisign.com

Host Migration Note

+ Current System:

- + If the Parent domain name is placed in a EPP PROHIBITED/HOLD status, all children name servers remain in a Prohibited state.
- + Thus these children name servers cannot be modified

+ New Consolidated System

- + If the Parent domain name is in a PROHIBITED/Hold status, this status will not be universally updated to all children name servers.
- + Children name servers will need to be explicitly set to an EPP Prohibited status by the registrar.
- + For example:
 - + ABC.CC is a domain. NS1.ABC.CC is its child name server.
 - + Registrar places ABC.CC on clientupdateprohibited
 - + Registrar must also manually place NS1.ABC.CC on clientupdateprohibited