Wildcards Study Group Report

37th ICANN ccNSO meeting
Nairobi
March 9, 2010

Ondrej Filip
Young-eum Lee
(co-chairs)

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- Notable SSAC Documents
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SG Overview

- Created by ccNSO council during ICANN Seoul meeting (Oct. 2009)
- Members
  - Wali Berjasta. .af
  - Keith Davidson, .nz
  - Joel Disini, .ph
  - Keith Drazek, .us
  - Afaf El Maayati, .ma
  - Khaled Esheh, .ly
  - Ondrej Filip, .cz (co-Chair)
  - Patrick Hosein, .tt
  - Erick Iriarte, LACTLD (observer)
  - Young-Eum Lee, .kr (co-Chair)
  - Rungang Mo, .cn
  - Kathryn Reynolds, .ca
  - Yoshiro Yoneya, .jp

- ICANN Support Staff: Bart Boswinkel
  Kristina Nordström
  Gabriella Schittek

Scope of the SG

1. Summarize the issues associated with "redirection" as identified by SSAC in its reports
2. Liaise with SSAC to seek further clarification and input if considered needed and appropriate by the group
3. Liaise with the ccTLDs who are currently using "redirection" to solicit their views and perspectives on "redirection"
4. Prepare a session at a ccNSO meeting either at the ICANN meeting in Nairobi or Brussels to present and discuss the results of the study to the ccTLD community.
5. Provide a final report of its findings to the ccNSO council

Actions so far

- Scope of SG defined
- Members decided
- Reviewed SSAC documents
- Email to cc’s requesting information
- Informational session in Nairobi

SSAC Documents on cc Redirection

- SAC041 : Recommendation to prohibit use of redirection and synthesized respones by new TLDs (10 June, 2009)
  - Advises ICANN to take all available steps to prohibit redirection
  - Recommends ICANN communicate dangers
  - ICANN Board resolution during Sydney meeting June, 2009
- SSAC Presentation to the ccNSO (28 Oct, 2009)
  - Architectural violation
  - Impact on Internet protocols
  - Single point of failure
  - Reserved and blocked domains ‘appearing’ alive
  - Privacy concerns
  - Lack of choice for Internet users
  - Poor user experience
  - Impact on IDN TLDs

Harms of NXDOMAIN Substitution

- Nov. 2009, ICANN Staff document
- Harms Listed
  1. Architectural implications
  2. Impact on Internet protocols
  3. Single point of failure
  4. Reserved and blocked domains appear alive
  5. Fragmentation of the DNS ecosystem
  6. Privacy concerns
  7. Lack of choice for Internet users
  8. Poor user experience (e-mail)
  9. Use of privileged position

List of Redirection Issues

SSAC List	ICANN Staff List
Architectural violation	Architectural implications
Impact on Internet protocols	Impact on Internet protocols
Single point of failure	Single point of failure
Reserved and blocked domains ‘appearing’ alive	Reserved and blocked domains appear alive
Privacy concerns	Fragmentation of the DNS ecosystem
Lack of choice for Internet users	Privacy concerns
Poor user experience	Lack of choice for Internet users
Impact on IDN TLDs	Poor user experience (e-mail)
	Use of privileged position

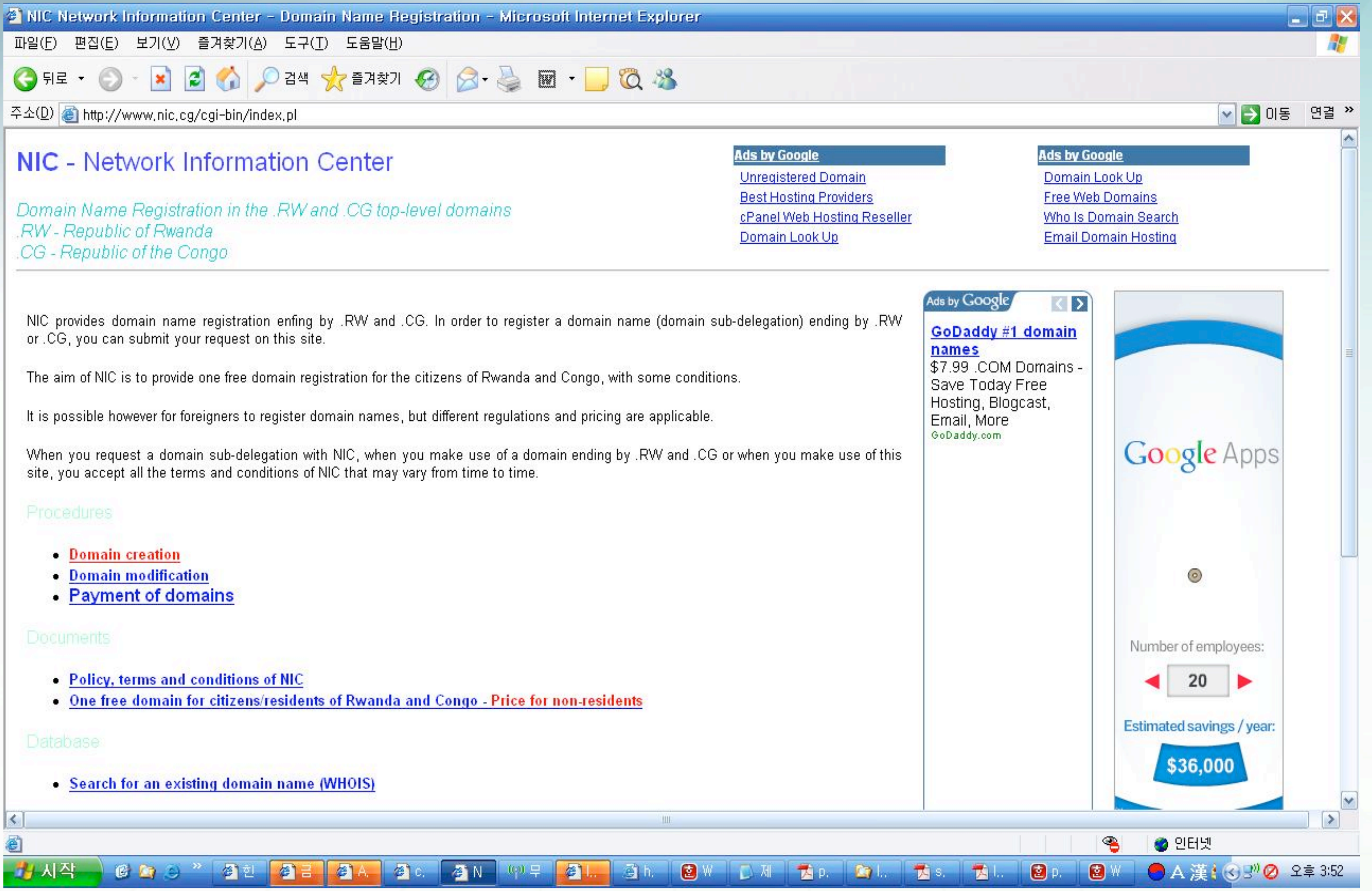
SAC Documents on Redirection

- SAC006 : Redirection in the COM and NET domains (9 July, 2004)
  - Found that redirection had adverse effects
  - Disrupted existing services such as e-mail and spam filters
- SAC015 : Why Top Level Domains Should Not Use Wildcard Resource Records (10 November, 2006)
  - Tralliance request for redirecting service evaluated by Registry Services Technical Evaluation Panel in November, 2006
  - Risk on adverse effects for security and stability
- SAC032 : Preliminary Report on DNS Response Modification (20 June, 2008)
  - Result of a study in 2007 investigating the unintended consequences of a growing error resolution market
  - Demonstrated vulnerabilities in web applications running at redirection sites could be exploited to the harm of domain registrants

cc’s using Wildcards

1. CG : Congo
2. KR : Korea
3. NU : Niue
4. PH : Philippines
5. PW : Palau
6. RW : Rwanda
7. ST : Sao Tome and Principe
8. TK : Tokelau
9. VG : Virgin Islands
10. VN : Viet Nam
11. WS : Samoa

aoweirufjdweoiruhdkvwo.CG : Congo


NIC Network Information Center - Domain Name Registration - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
이동
연결
인터넷
시작
오후 3:52

http://www.nic.cg/cgi-bin/index.pl

NIC - Network Information Center

Domain Name Registration in the .RW and .CG top-level domains
.RW - Republic of Rwanda
.CG - Republic of the Congo

Ads by Google
Unregistered Domain
Best Hosting Providers
cPanel Web Hosting Reseller
Domain Look Up

Ads by Google
Domain Look Up
Free Web Domains
Who Is Domain Search
Email Domain Hosting

NIC provides domain name registration enfing by .RW and .CG. In order to register a domain name (domain sub-delegation) ending by .RW or .CG, you can submit your request on this site.

The aim of NIC is to provide one free domain registration for the citizens of Rwanda and Congo, with some conditions.

It is possible however for foreigners to register domain names, but different regulations and pricing are applicable.

When you request a domain sub-delegation with NIC, when you make use of a domain ending by .RW and .CG or when you make use of this site, you accept all the terms and conditions of NIC that may vary from time to time.

Procedures

- Domain creation
- Domain modification
- Payment of domains

Documents

- Policy, terms and conditions of NIC
- One free domain for citizens/residents of Rwanda and Congo - Price for non-residents

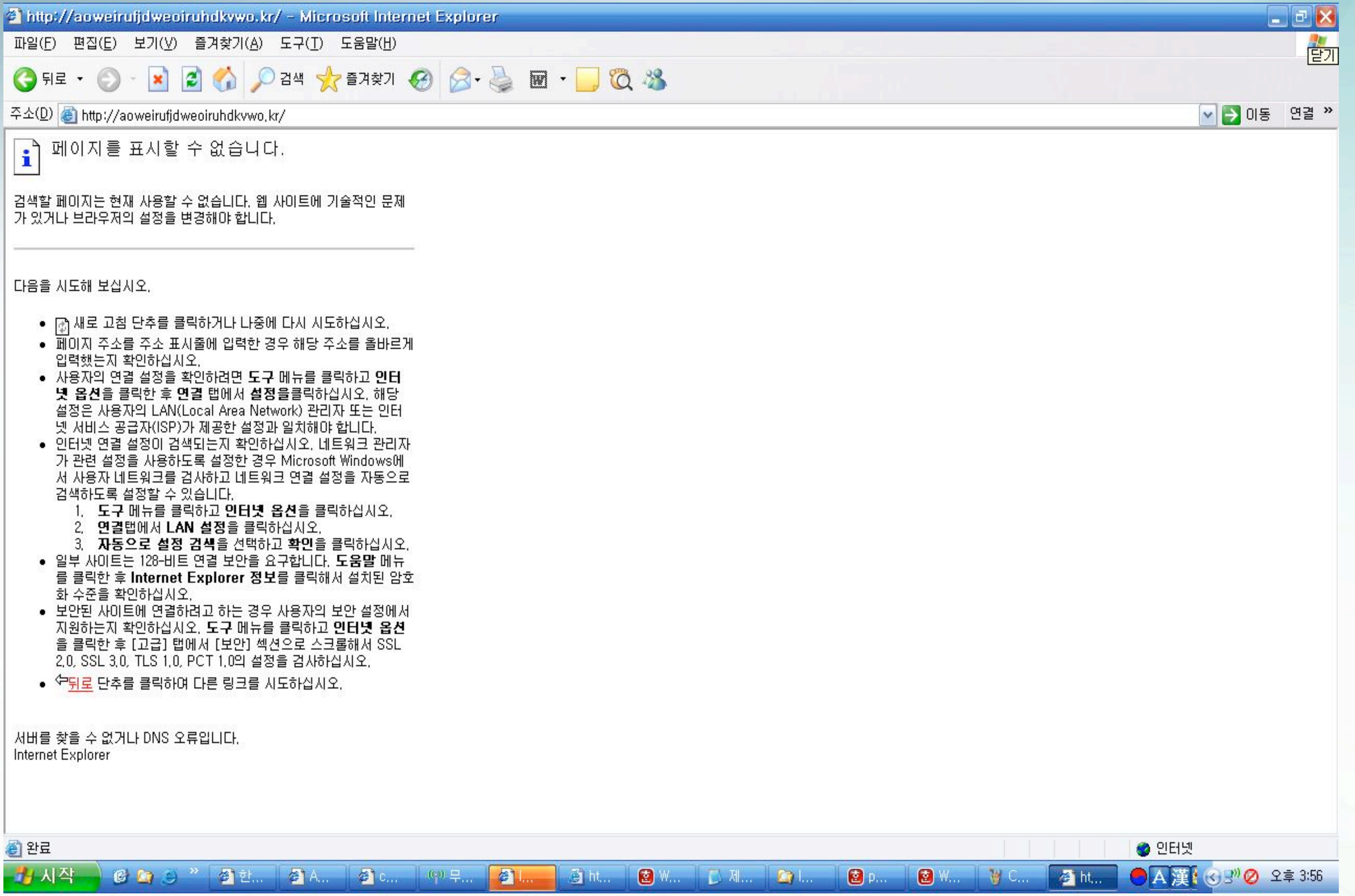
Database

- Search for an existing domain name (WHOIS)

Ads by Google
GoDaddy #1 domain names
$7.99 .COM Domains - Save Today Free Hosting, Blogcast, Email, More
GoDaddy.com

Google Apps
Number of employees:
20
Estimated savings / year:
$36,000

aoweirufjdweoiruhdkvwo.KR : Korea


http://aoweirufjdweoiruhdkvwo.kr/ - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
닫기
뒤로
검색
즐겨찾기
주소(D) http://aoweirufjdweoiruhdkvwo.kr/
이동
연결
완료
인터넷
시작
오후 3:56

페이지를 표시할 수 없습니다.

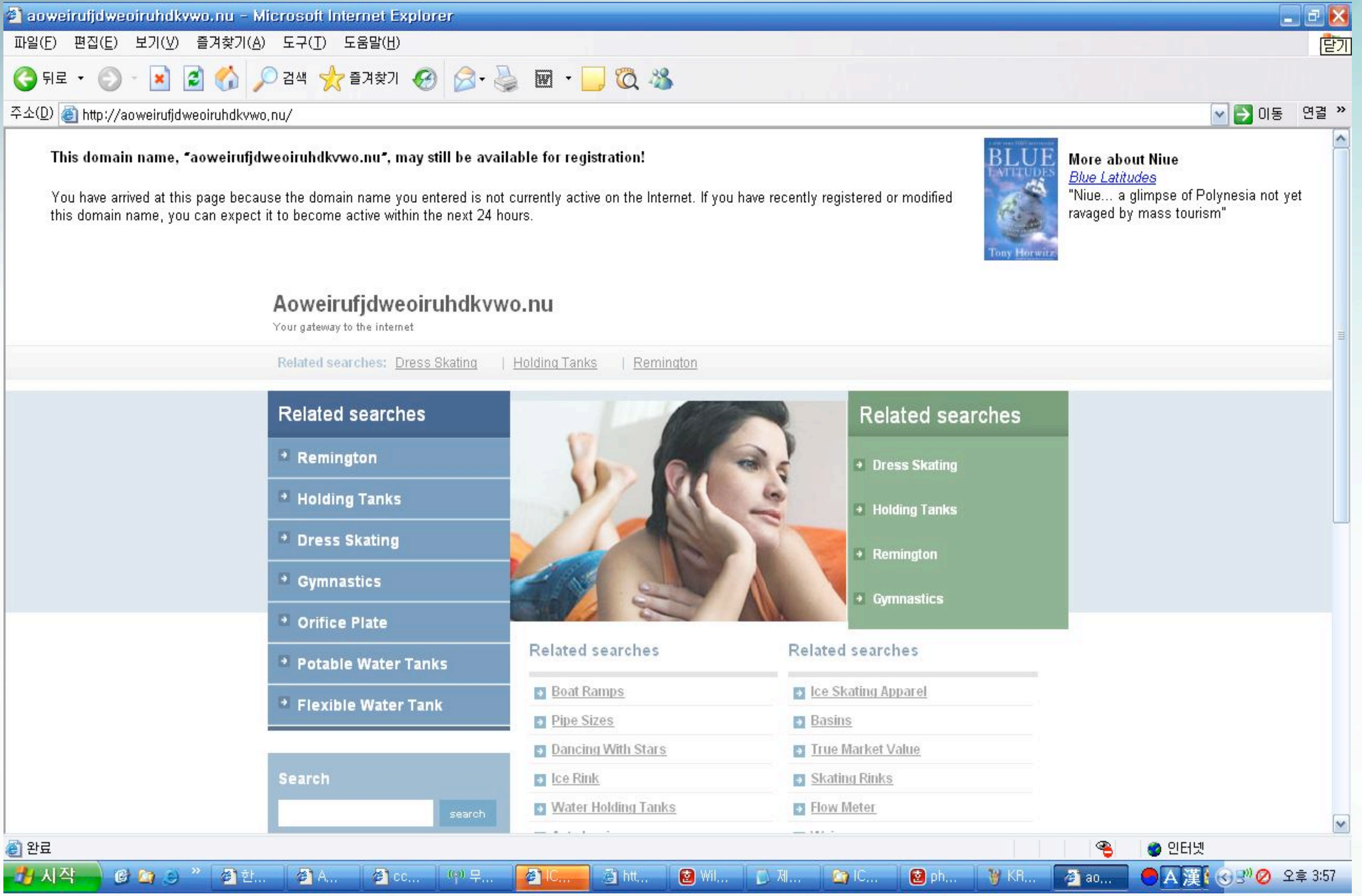
검색할 페이지는 현재 사용할 수 없습니다. 웹 사이트에 기술적인 문제가 있거나 브라우저의 설정을 변경해야 합니다.

다음을 시도해 보십시오.

- 새로 고침 단추를 클릭하거나 나중에 다시 시도하십시오.
- 페이지 주소를 주소 표시줄에 입력한 경우 해당 주소를 올바르게 입력했는지 확인하십시오.
- 사용자의 연결 설정을 확인하려면 **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭한 후 **연결** 탭에서 **설정**을클릭하십시오. 해당 설정은 사용자의 LAN(Local Area Network) 관리자 또는 인터넷 서비스 공급자(ISP)가 제공한 설정과 일치해야 합니다.
- 인터넷 연결 설정이 검색되는지 확인하십시오. 네트워크 관리자가 관련 설정을 사용하도록 설정한 경우 Microsoft Windows에서 사용자 네트워크를 검사하고 네트워크 연결 설정을 자동으로 검색하도록 설정할 수 있습니다.
  1. **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭하십시오.
  2. **연결**탭에서 **LAN 설정**을 클릭하십시오.
  3. **자동으로 설정 검색**을 선택하고 **확인**을 클릭하십시오.
- 일부 사이트는 128-비트 연결 보안을 요구합니다. **도움말** 메뉴를 클릭한 후 **Internet Explorer 정보**를 클릭해서 설치된 암호화 수준을 확인하십시오.
- 보안된 사이트에 연결하려고 하는 경우 사용자의 보안 설정에서 지원하는지 확인하십시오. **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭한 후 [고급] 탭에서 [보안] 섹션으로 스크롤해서 SSL 2.0, SSL 3.0, TLS 1.0, PCT 1.0의 설정을 검사하십시오.
- 뒤로 단추를 클릭하여 다른 링크를 시도하십시오.

서버를 찾을 수 없거나 DNS 오류입니다.
Internet Explorer

aoweirufjdweoiruhdkvwo.NU : Niue


aoweirufjdweoiruhdkvwo.nu - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
닫기
뒤로
검색
즐겨찾기
주소(D)
http://aoweirufjdweoiruhdkvwo.nu/
이동
연결
완료
인터넷
시작
오후 3:57

This domain name, "aoweirufjdweoiruhdkvwo.nu", may still be available for registration!

You have arrived at this page because the domain name you entered is not currently active on the Internet. If you have recently registered or modified this domain name, you can expect it to become active within the next 24 hours.

More about Niue

Blue Latitudes

"Niue... a glimpse of Polynesia not yet ravaged by mass tourism"

Aoweirufjdweoiruhdkvwo.nu

Your gateway to the internet

Related searches: Dress Skating | Holding Tanks | Remington

Related searches
- Remington
- Holding Tanks
- Dress Skating
- Gymnastics
- Orifice Plate
- Potable Water Tanks
- Flexible Water Tank

Related searches
- Dress Skating
- Holding Tanks
- Remington
- Gymnastics

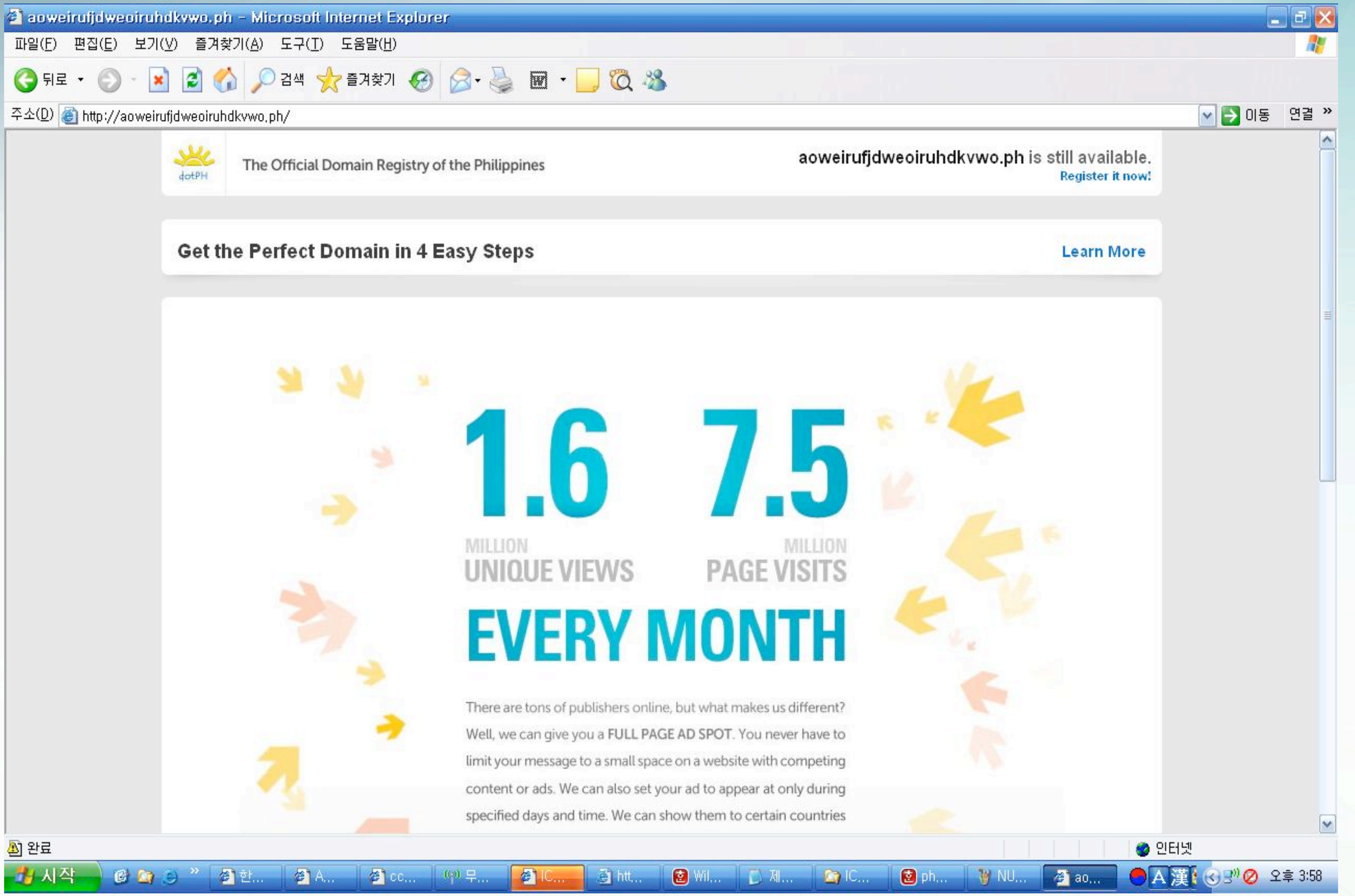
Search

search

Related searches
- Boat Ramps
- Pipe Sizes
- Dancing With Stars
- Ice Rink
- Water Holding Tanks

Related searches
- Ice Skating Apparel
- Basins
- True Market Value
- Skating Rinks
- Flow Meter

aoweirufjdweoiruhdkvwo.PH : Philippines



aoweirufjdweoiruhdkvwo.ph - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
이동
연결
dotPH
완료
인터넷
시작
오후 3:58

http://aoweirufjdweoiruhdkvwo.ph/

The Official Domain Registry of the Philippines

aoweirufjdweoiruhdkvwo.ph is still available.
Register it now!

Get the Perfect Domain in 4 Easy Steps

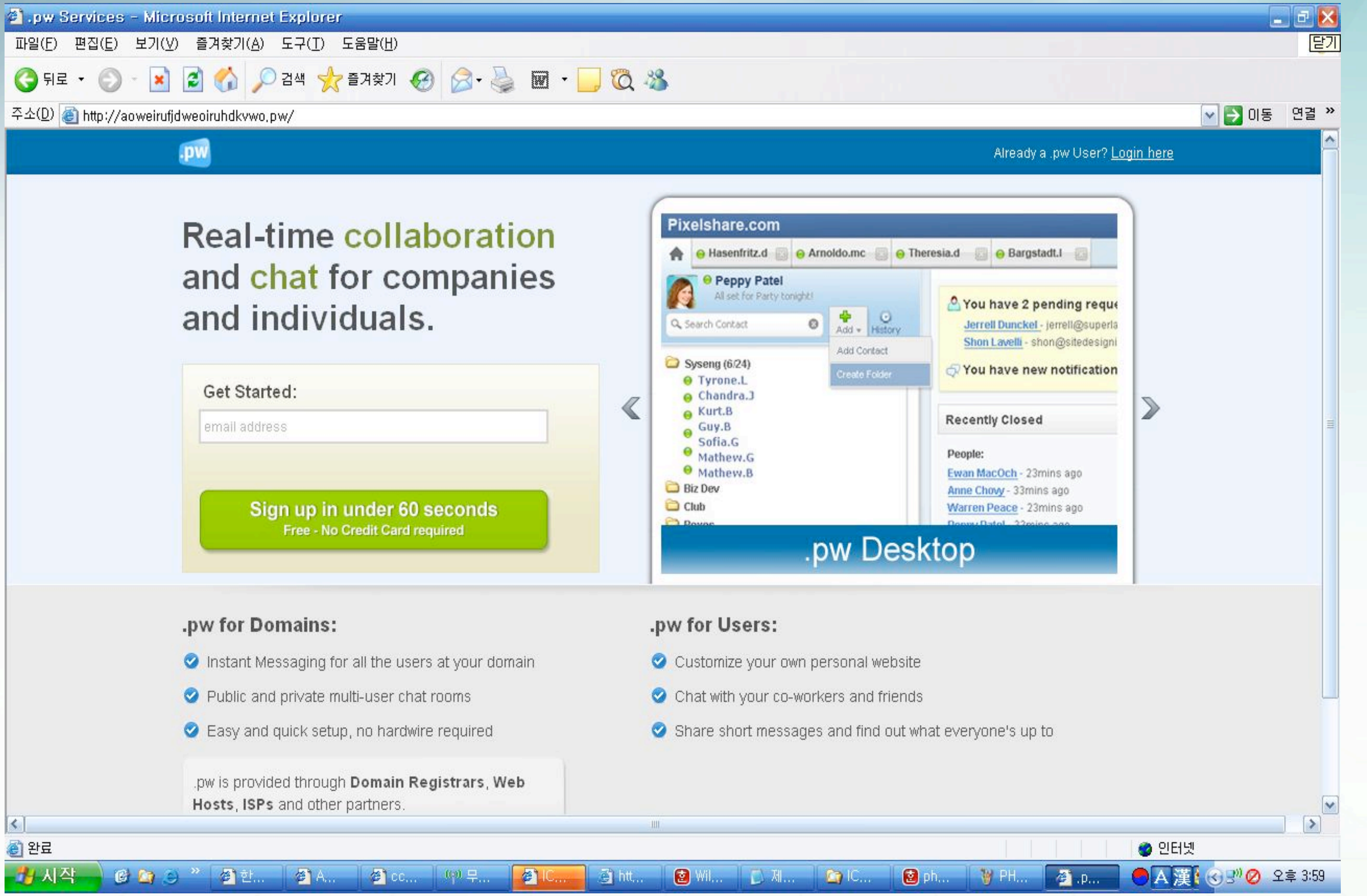
Learn More

1.6 MILLION UNIQUE VIEWS **7.5** MILLION PAGE VISITS

EVERY MONTH

There are tons of publishers online, but what makes us different? Well, we can give you a FULL PAGE AD SPOT. You never have to limit your message to a small space on a website with competing content or ads. We can also set your ad to appear at only during specified days and time. We can show them to certain countries

aoweirufjdweoiruhdkvwo.PW : Palau


.pw Services - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
닫기
뒤로
검색
즐겨찾기
주소(D) http://aoweirufjdweoiruhdkvwo.pw/
이동
연결
.pw
Already a .pw User? Login here
Pixelshare.com
Hasenfritz.d
Arnoldo.mc
Theresia.d
Bargstadt.l
Peppy Patel
All set for Party tonight!
Search Contact
Add
History
Add Contact
Create Folder
Syseng (6/24)
Tyrone.L
Chandra.J
Kurt.B
Guy.B
Sofia.G
Mathew.G
Mathew.B
Biz Dev
Club
You have 2 pending reque
Jerrell Dunckel - jerrell@superla
Shon Lavelli - shon@sitedesigni
You have new notification
Recently Closed
People:
Ewan MacOch - 23mins ago
Anne Chovy - 33mins ago
Warren Peace - 23mins ago
.pw Desktop
Sign up in under 60 seconds
Free - No Credit Card required
완료
인터넷
시작
오후 3:59

Real-time collaboration and chat for companies and individuals.

Get Started:

email address

.pw for Domains:

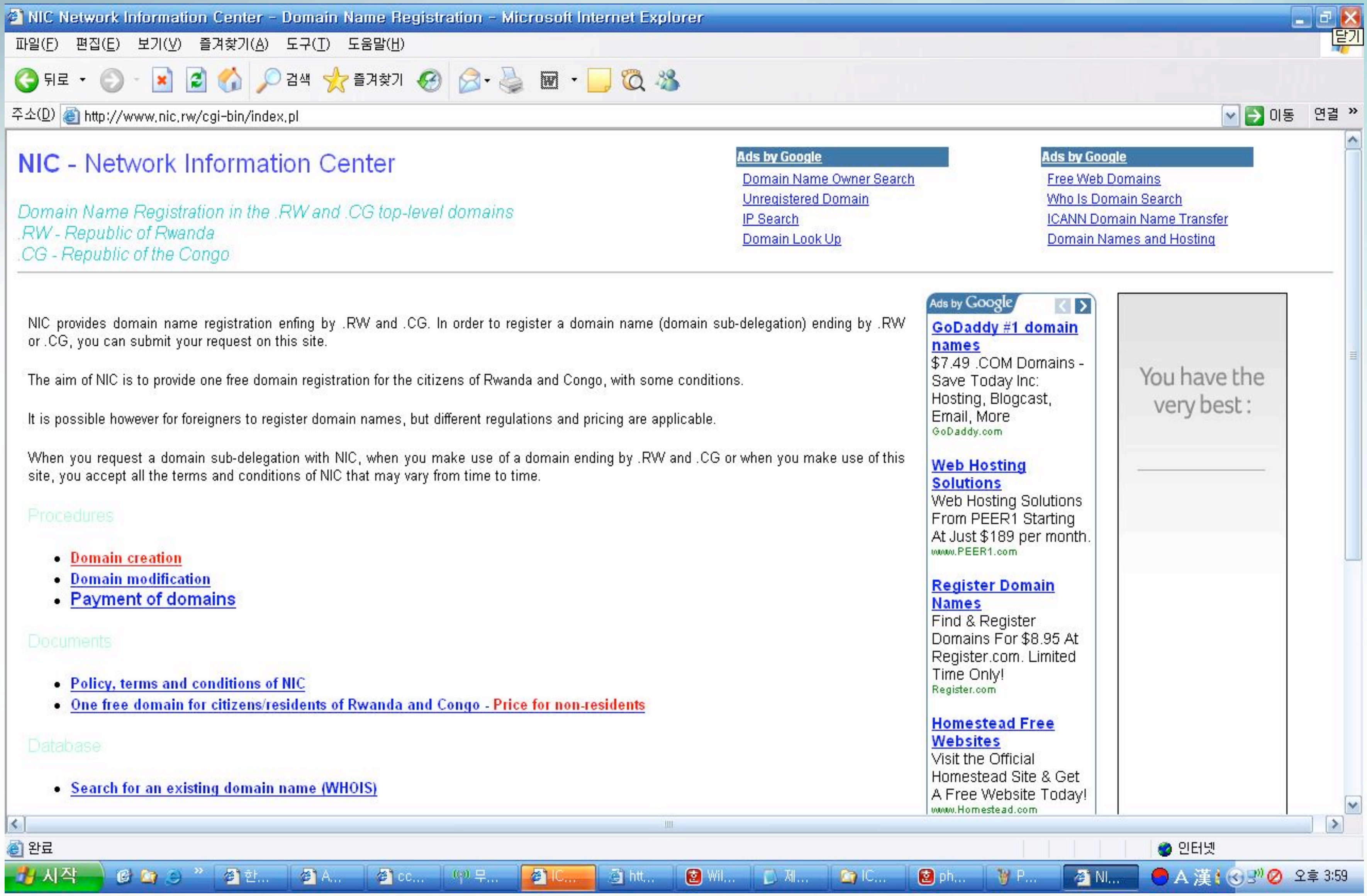
- Instant Messaging for all the users at your domain
- Public and private multi-user chat rooms
- Easy and quick setup, no hardwire required

.pw for Users:

- Customize your own personal website
- Chat with your co-workers and friends
- Share short messages and find out what everyone's up to

.pw is provided through **Domain Registrars**, **Web Hosts**, **ISPs** and other partners.

aoweirufjdweoiruhdkvwo.RW : Rwanda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파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
닫기
뒤로
검색
즐겨찾기
주소(D) http://www.nic.rw/cgi-bin/index.pl
이동
연결 »

NIC - Network Information Center

Domain Name Registration in the .RW and .CG top-level domains
.RW - Republic of Rwanda
.CG - Republic of the Congo

Ads by Google
Domain Name Owner Search
Unregistered Domain
IP Search
Domain Look Up

Ads by Google
Free Web Domains
Who Is Domain Search
ICANN Domain Name Transfer
Domain Names and Hosting

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Database

- Search for an existing domain name (WHOIS)

Ads by Google

GoDaddy #1 domain names
$7.49 .COM Domains - Save Today Inc: Hosting, Blogcast, Email, More
GoDaddy.com

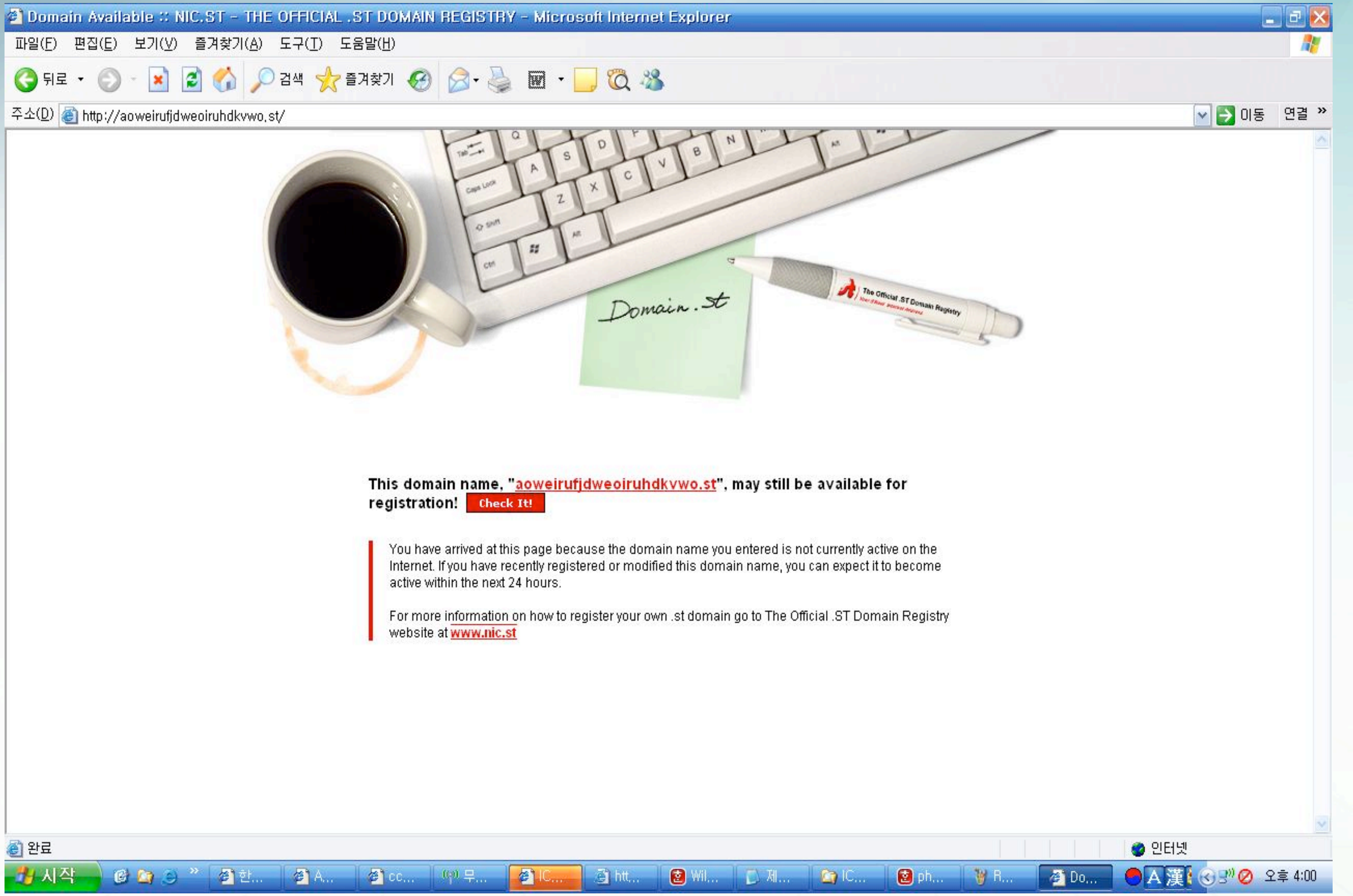
Web Hosting Solutions
Web Hosting Solutions From PEER1 Starting At Just $189 per month.
www.PEER1.com

Register Domain Names
Find & Register Domains For $8.95 At Register.com. Limited Time Only!
Register.com

Homestead Free Websites
Visit the Official Homestead Site & Get A Free Website Today!
www.Homestead.com

You have the very best :

aoweirufjdweoiruhdkvwo.ST : Sao Tome and Principe

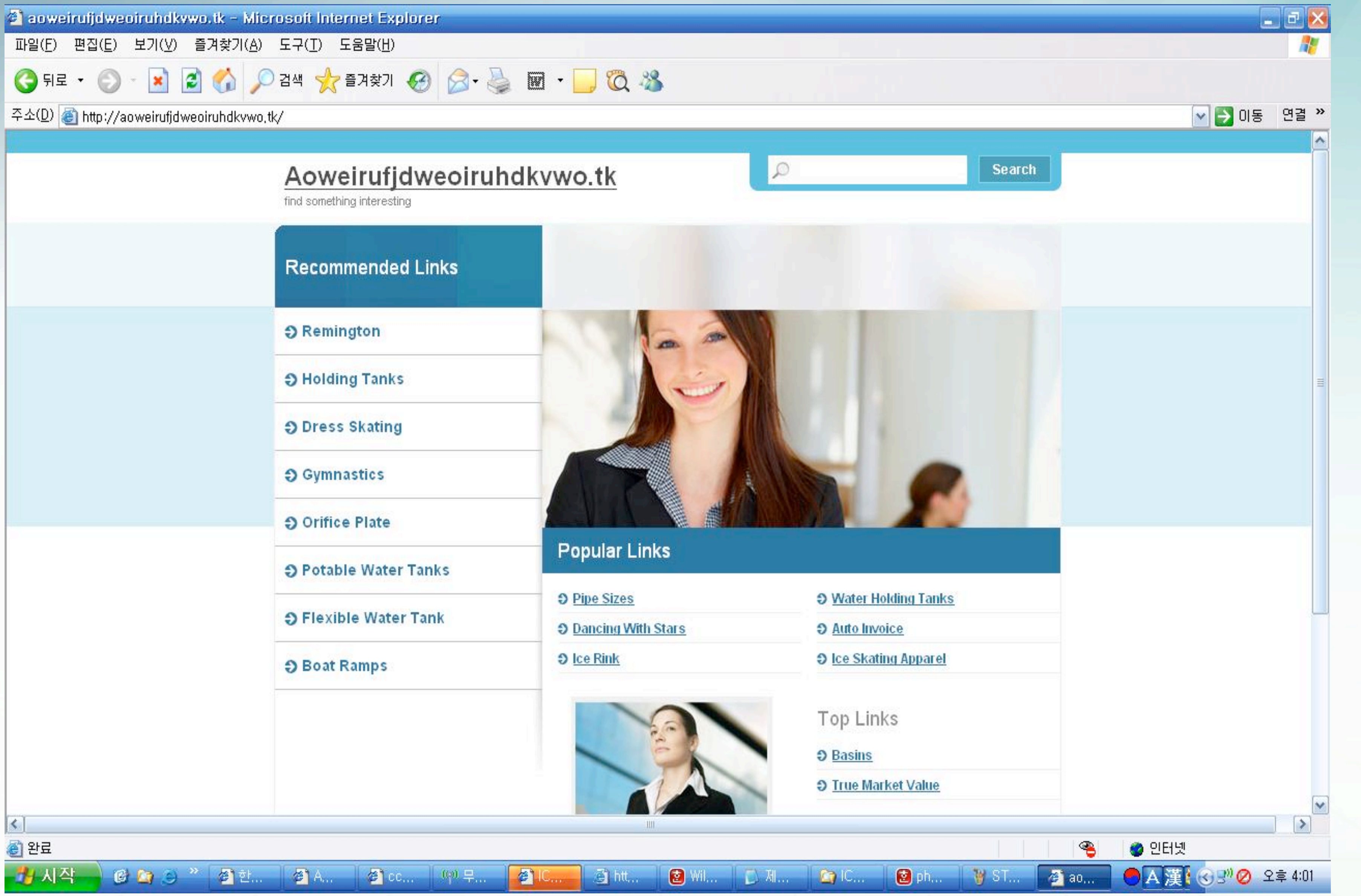

Domain Available :: NIC.ST - THE OFFICIAL .ST DOMAIN REGISTRY - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
http://aoweirufjdweoiruhdkvwo.st/
이동
연결
Domain.st
The Official .ST Domain Registry
완료
인터넷
시작
오후 4:00

This domain name, "aoweirufjdweoiruhdkvwo.st", may still be available for registration! Check It!

You have arrived at this page because the domain name you entered is not currently active on the Internet. If you have recently registered or modified this domain name, you can expect it to become active within the next 24 hours.

For more information on how to register your own .st domain go to The Official .ST Domain Registry website at www.nic.st

aoweirufjdweoiruhdkvwo.TK : Tokelau


aoweirufjdweoiruhdkvwo.tk - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
http://aoweirufjdweoiruhdkvwo.tk/
이동
연결
Search
완료
인터넷
시작
오후 4:01

Aoweirufjdweoiruhdkvwo.tk

find something interesting

Recommended Links

- Remington
- Holding Tanks
- Dress Skating
- Gymnastics
- Orifice Plate
- Potable Water Tanks
- Flexible Water Tank
- Boat Ramps

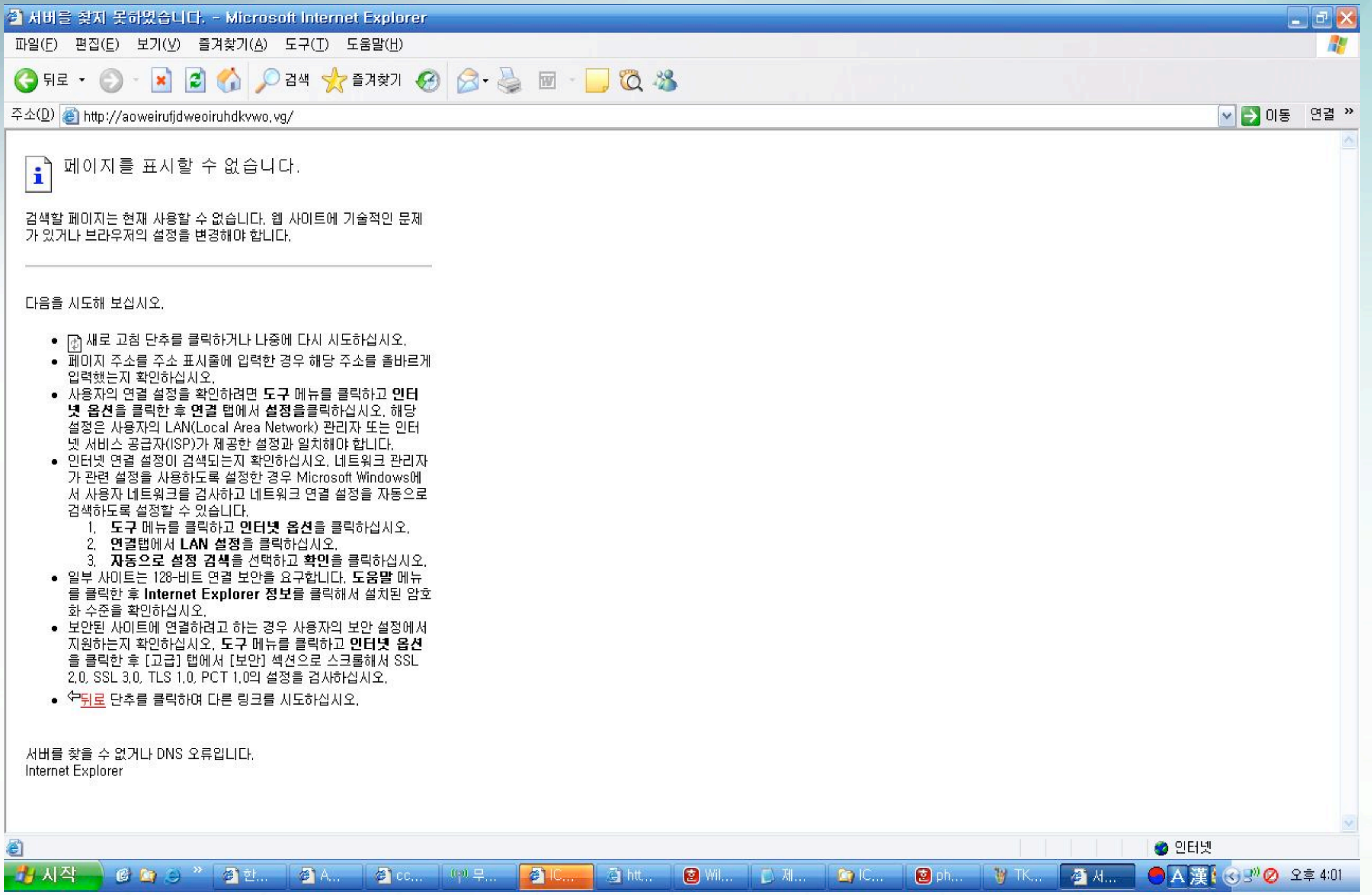
Popular Links

- Pipe Sizes
- Dancing With Stars
- Ice Rink
- Water Holding Tanks
- Auto Invoice
- Ice Skating Apparel

Top Links

- Basins
- True Market Value

aoweirufjdweoiruhdkvwo.VG : Virgin Islands


서버를 찾지 못하였습니다. - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
이동
연결
인터넷
시작
오후 4:01

http://aoweirufjdweoiruhdkvwo.vg/

페이지를 표시할 수 없습니다.

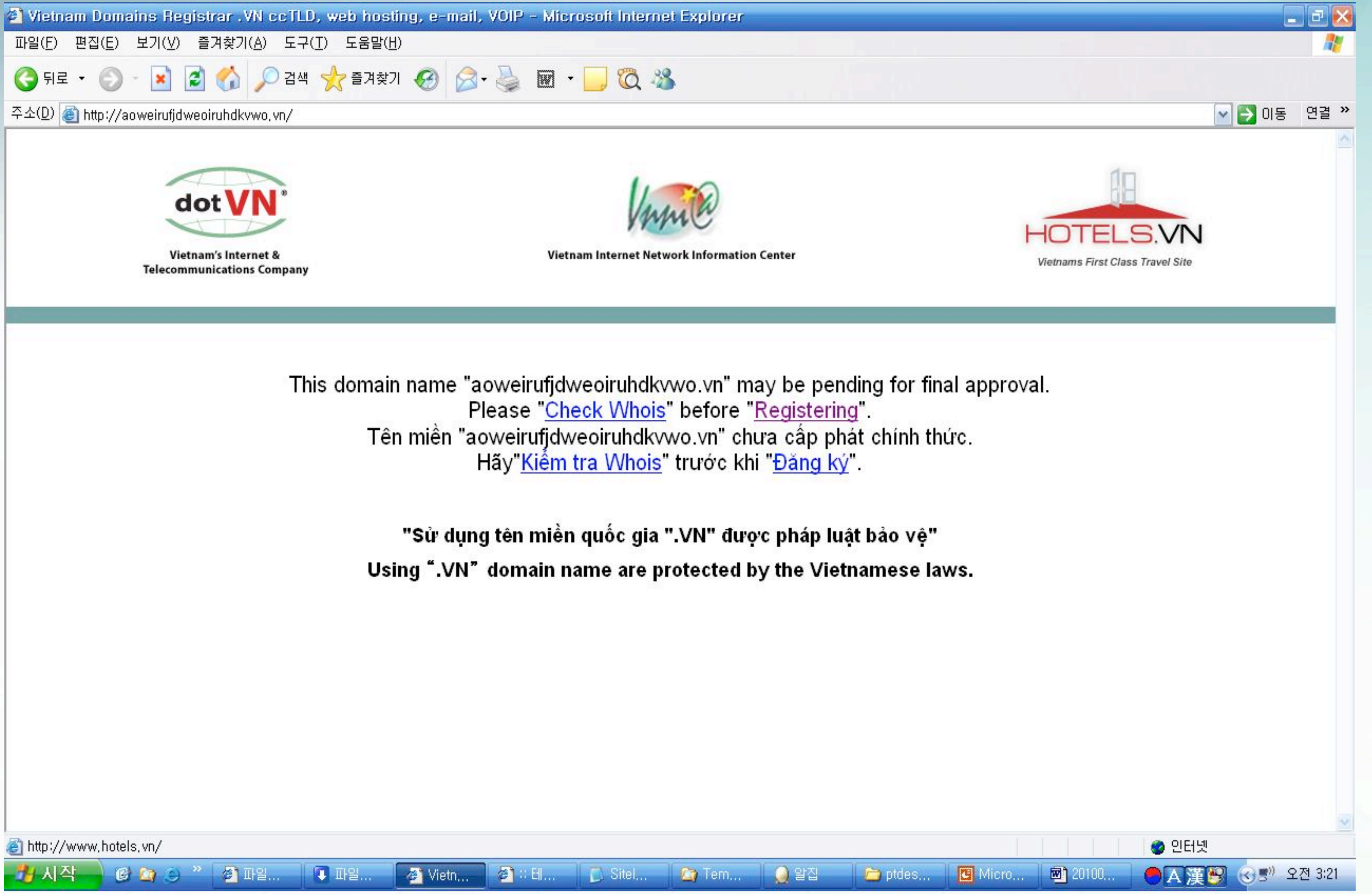
검색할 페이지는 현재 사용할 수 없습니다. 웹 사이트에 기술적인 문제가 있거나 브라우저의 설정을 변경해야 합니다.

다음을 시도해 보십시오.

- 새로 고침 단추를 클릭하거나 나중에 다시 시도하십시오.
- 페이지 주소를 주소 표시줄에 입력한 경우 해당 주소를 올바르게 입력했는지 확인하십시오.
- 사용자의 연결 설정을 확인하려면 **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭한 후 **연결** 탭에서 **설정**을클릭하십시오. 해당 설정은 사용자의 LAN(Local Area Network) 관리자 또는 인터넷 서비스 공급자(ISP)가 제공한 설정과 일치해야 합니다.
- 인터넷 연결 설정이 검색되는지 확인하십시오. 네트워크 관리자가 관련 설정을 사용하도록 설정한 경우 Microsoft Windows에서 사용자 네트워크를 검사하고 네트워크 연결 설정을 자동으로 검색하도록 설정할 수 있습니다.
    1. **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭하십시오.
    2. **연결**탭에서 **LAN 설정**을 클릭하십시오.
    3. **자동으로 설정 검색**을 선택하고 **확인**을 클릭하십시오.
- 일부 사이트는 128-비트 연결 보안을 요구합니다. **도움말** 메뉴를 클릭한 후 **Internet Explorer 정보**를 클릭해서 설치된 암호화 수준을 확인하십시오.
- 보안된 사이트에 연결하려고 하는 경우 사용자의 보안 설정에서 지원하는지 확인하십시오. **도구** 메뉴를 클릭하고 **인터넷 옵션**을 클릭한 후 [고급] 탭에서 [보안] 섹션으로 스크롤해서 SSL 2.0, SSL 3.0, TLS 1.0, PCT 1.0의 설정을 검사하십시오.
- 뒤로 단추를 클릭하여 다른 링크를 시도하십시오.

서버를 찾을 수 없거나 DNS 오류입니다.
Internet Explorer

aoweirufjdweoiruhdkvwo.VN : Viet Nam

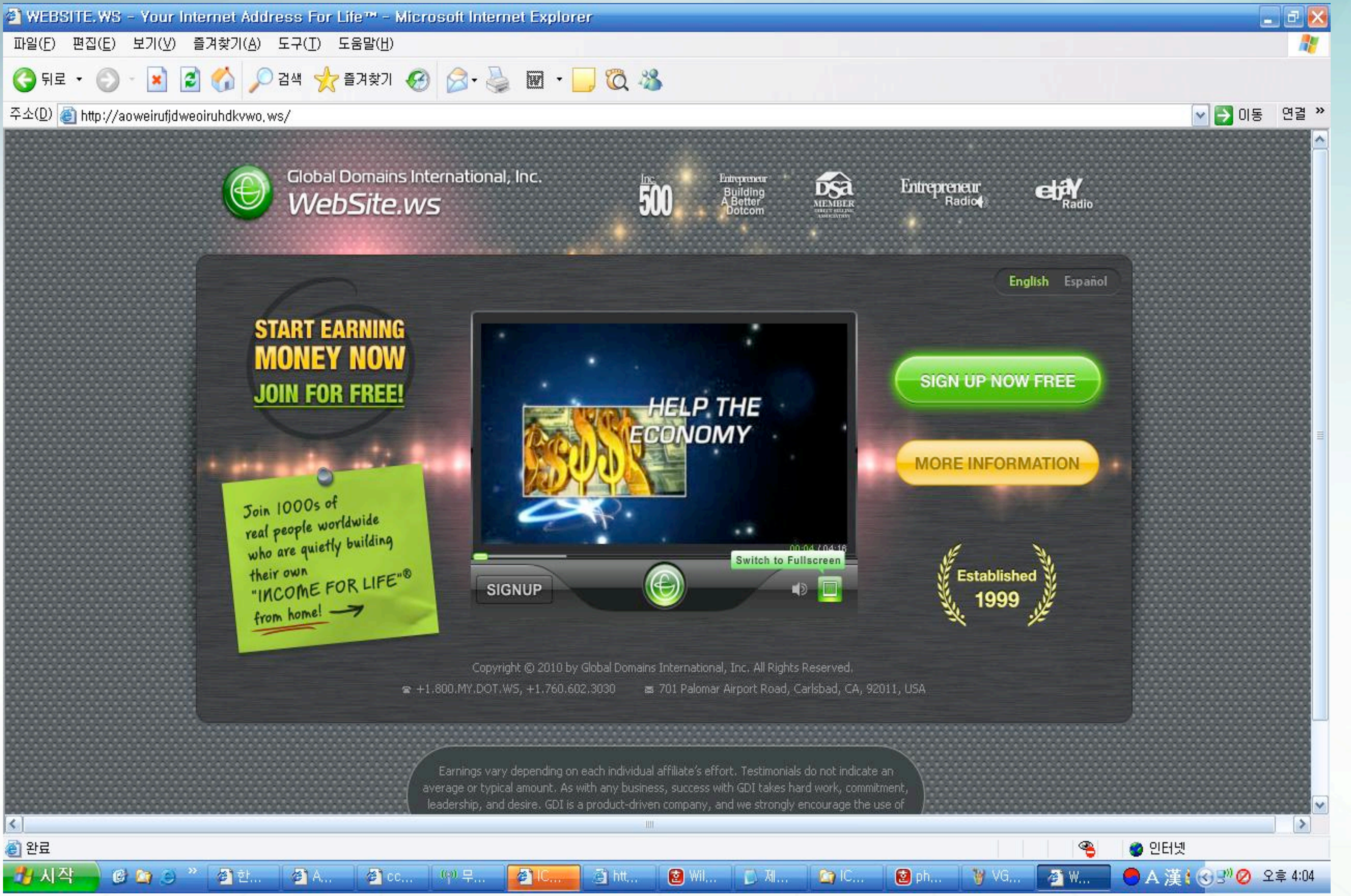

Vietnam Domains Registrar .VN ccTLD, web hosting, e-mail, VOIP - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
http://aoweirufjdweoiruhdkvwo.vn/
이동
연결
dot VN
Vietnam's Internet & Telecommunications Company
Vnnic
Vietnam Internet Network Information Center
HOTELS.VN
Vietnams First Class Travel Site
http://www.hotels.vn/
인터넷
시작
파일...
파일...
Vietn...
:: El...
Sitel...
Tem...
알집
ptdes...
Micro...
20100...
A 漢
오전 3:21

This domain name "aoweirufjdweoiruhdkvwo.vn" may be pending for final approval.
Please "Check Whois" before "Registering".
Tên miền "aoweirufjdweoiruhdkvwo.vn" chưa cấp phát chính thức.
Hãy"Kiểm tra Whois" trước khi "Đăng ký".

"Sử dụng tên miền quốc gia ".VN" được pháp luật bảo vệ"

Using ".VN" domain name are protected by the Vietnamese laws.

aoweirufjdweoiruhdkvwo.WS : Samoa


WEBSITE.WS - Your Internet Address For Life™ - Microsoft Internet Explorer
파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T) 도움말(H)
뒤로
검색
즐겨찾기
주소(D)
이동
연결
Global Domains International, Inc.
WebSite.ws
Inc. 500
Entrepreneur Building A Better Dotcom
DSA MEMBER
Entrepreneur Radio
ebay Radio
English
Español
START EARNING
MONEY NOW
JOIN FOR FREE!
HELP THE ECONOMY
00:04 / 04:18
Switch to Fullscreen
SIGNUP
SIGN UP NOW FREE
MORE INFORMATION
Established 1999
완료
인터넷
시작
오후 4:04

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Future Action Items

- Gather Information from cc’s
  - E-mail
  - Approach individually
  - Enlist help of regional liaisons
  - Sample inquiry of cc’s that have stopped redirecting
- Summerize independent findings
  - Independent review of the types of redirection
  - Assess redirection results, resolution time, IANA database on registry, etc
- Evaluate the SSAC documents
- Map the cc’s according to the ‘harms’ list
- Submit summary of findings to the ccNSO council
  - Determine whether we would want to make certain recommendations to the ccNSO council

Timeline

	Event♪	Tentative Date♪	Method♪	Comments♪
1♪	**Gather information from individual cc's on reasons, background, service duration**	End of March	- e-mail - Individual approach - Regional liaisons	If no response, will rely on independent findings
2♪	**Evaluate SSAC documents**	End of March	-e-mail	Will receive comments on docs
3♪	**Summarize independent findings**	End of March	-Redirection results page assessed -Response time	Conducted by volunteers of SG
4♪	**Discuss SSAC 'harms' list** **Mechanism for mapping cc's**	Mid April	- SG teleconference	Based on findings above
5♪	**Finalize mapping**	End of April	-e-mail -SG teleconference	Based on discussion among SG members
6♪	**First draft of summary report**	Early May		To be published for comment
7♪	**Draft final report**	Mid May	- document submission	To be published for comment
8♪	**Submit final report to ccNSO council**	Early June	- document submission	To be publicly available
9♪	**Report findings during ccNSO meeting in Brussels**	June 20-24	- presentation	