

# Launching IDN ccTLD

السعودية.

(.alsaudiah)

Raed Al-Fayez  
SaudiNIC - CITC



# Agenda



About SaudiNIC

What we have done .. (السعودية)

What is Next .. (السعودية)

Lessons learned



# ***About SaudiNIC***

# About SaudiNIC

## Saudi Network Information Center



- SaudiNIC is a **non-profit** unit that is operated by Communication and Information Technology Commission (**CITC**) which is a semi-governmental entity.
- SaudiNIC administers the Saudi ccTLDs:
  - **.sa** since 1995.
  - The new IDN ccTLD (**.السعودية**) since May 2010
- Leading the **local community efforts** towards supporting Arabic language in DNS
  - Chairing both Steering and Technical Committees of the ADNPP (2005-2009)
  - Representing the Arabic language in various events & WG

# About SaudiNIC

## Latest Achievements

- Full **IPv6 Support** – Jan 2010
- Open registration of **Arabic** domain names under “السعودية” (سجل.السعودية) – May 2010
- Open registration of domain names **directly** under “.sa” (nic.sa) – Jan 2011
- Updated the “**Domain Name Regulations**” – Apr 2011
- Updated “**Procedures for Submitting an Objection to Saudi domain names**” (Dispute Resolution) – Apr 2011

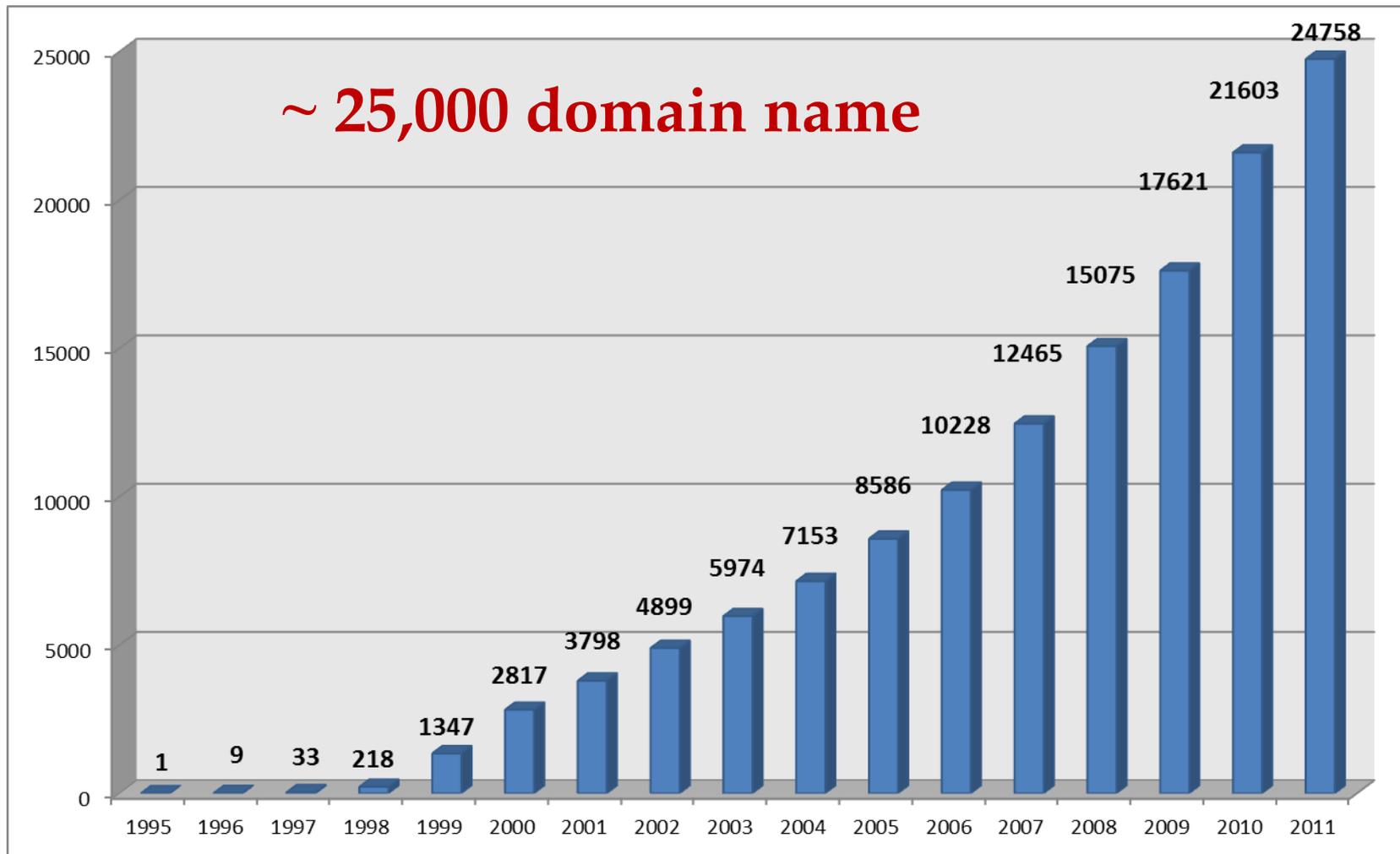
# ***About SaudiNIC***

## ***Coming Projects***

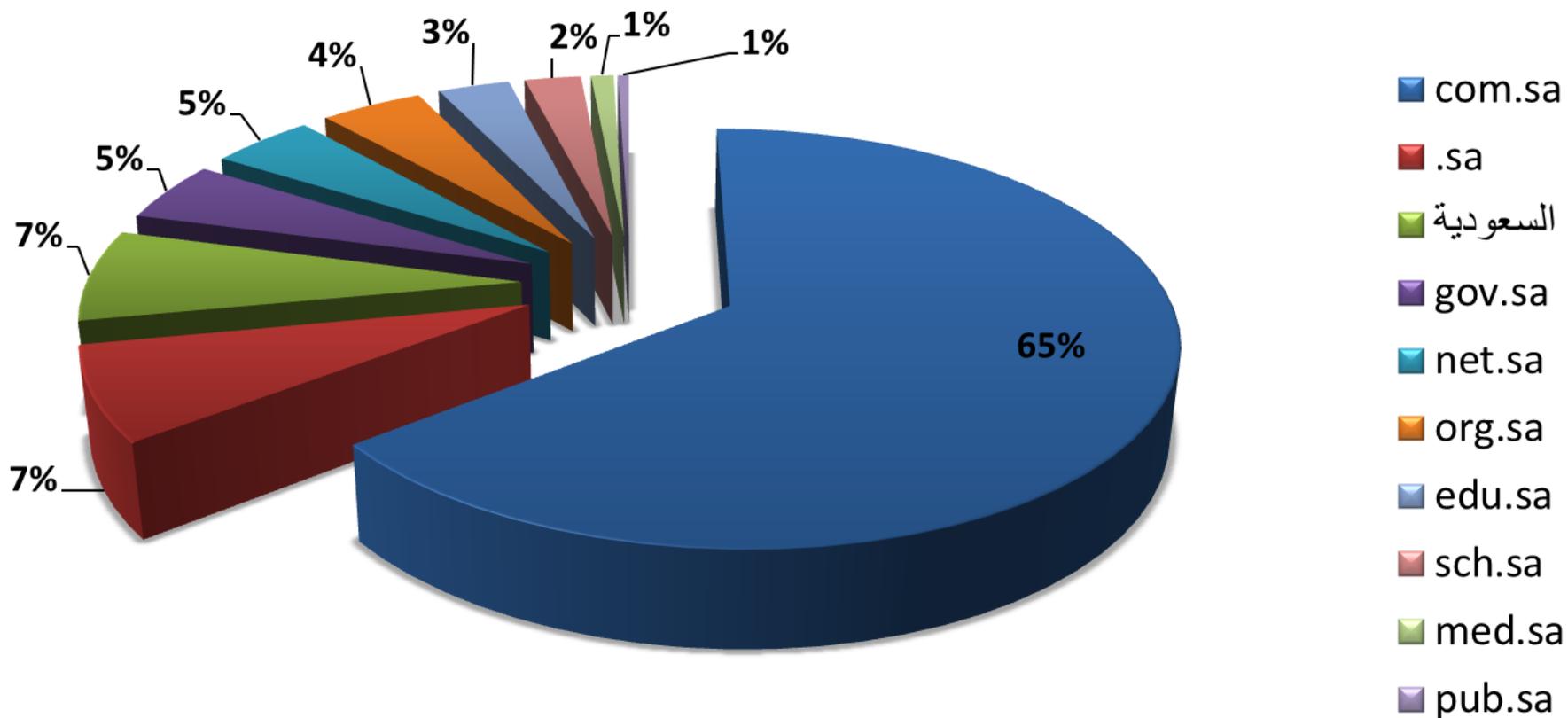


- **Registry-Registrar model**
- **DNSSEC**
- **IDN Emails**
- **Continuous coordination with application providers regarding IDNA implementations and Arabic domains**

# About SaudiNIC Statistics



# About SaudiNIC Statistics





*What we have done? ... السعودية.*

# What we have done

## String Evaluation and Delegation



16 Nov 2009

ICANN opened IDN ccTLD FT Process



16 Nov 2009

Applying to fast track process



20 Jan 2010

ICANN Approved the String



5 May 2010

IANA added xn--mgberp4a5d4ar to the root servers



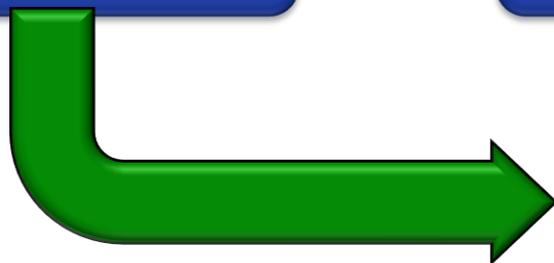
22 Apr 2010

IANA Approved the delegation



24 Jan 2010

Applying for delegation



سجل.السعودية

# What we have done Regulations and Guidelines



## Arabic Domain Name Registration Regulation for Saudi ccTLD (السعودية)

Version 1.0 Saturday 25/04/1431 H (10/04/2010)

### 1. Definitions

- The terms and expressions defined in the Telecommunication Act and in its Bylaw shall have the same meaning in this regulation. In addition, the terms and expressions set out in this regulation shall have the following meanings assigned to each of them:
- SaudiNIC:** Saudi Network Information Center at CITC is the registration authority for the Saudi ccTLDs. SaudiNIC is responsible for providing Registration Services for the Saudi ccTLDs, as well as formulating and implementing policies procedures with regard to the Saudi ccTLDs and managing and operating their registries.
  - Registration Services:** Services provided by SaudiNIC related to the registration of a domain name, including but not limited to registration, modification, renewal, suspension, deletion or transfer of a domain name.
  - Service Request:** An online form, available on the SaudiNIC's website, used to request Registration Services. This includes actions taken by a Registrant on a password-protected area.
  - Registrant:** A natural person or a legal entity that requested, or will request, directly or through a third party registration services, including the current holder of a domain name.
  - Administrative Contact:** A natural person, based in Saudi Arabia, who is designated by the Registrant in the Service Request. The Administrative Contact shall be authorized to represent the registrant at SaudiNIC and CITC for matters related to all domain names issues, including requesting and obtaining registration services, responding to domain name objections, and coordinating any financial matters. The Registrant must provide and maintain a valid and complete Administrative Contact's information, including a correct, valid and functional e-mail address.
  - Domain Name:** refers to one or both of the standard two representations of an Arabic domain name:
    - The Arabic representation: composed of two Arabic labels separated by a dot (e.g. موقع السعودية) where (السعودية) is always the first level from the left; or
    - The ASCII representation: composed of two ASCII labels separated by

## Regulation for Opening Arabic Domain Name Registration under the IDN ccTLD "السعودية"

Version 2.0 Saturday 25/04/1431 H (10/04/2010)

### 1. Definitions

- The terms and expressions defined in the Telecommunication Act and in its Bylaw as well as in the Regulation for Arabic Domain Name Registration under the IDN ccTLD (السعودية) shall have the same meaning in this regulation. In addition, the terms and expressions set out in this regulation shall have the following meanings assigned to them:
- This Regulation:** This Regulation that regulate the opening of the Arabic Domain name registration under the IDN ccTLD (السعودية).
  - SaudiNIC:** Saudi Network Information Center at CITC is the registration authority for the Saudi ccTLDs. SaudiNIC is responsible for providing Registration Services for the Saudi ccTLDs, as well as formulating and implementing policies procedures with regard to the Saudi ccTLDs and managing and operating their registries.
  - Swearie Phase:** The period extending from 10:00 AM on Monday the 17th of Jumada'II 1431 H (11th of May 2010 G), to 10:00 AM on Monday the 30th of Rajab 1431 H (12th July 2010 G), during which SaudiNIC shall accept applications for registration of Arabic domain names from Qualified Registrants.
  - Launch Phase:** The phase when SaudiNIC shall begin accepting applications for registration of Arabic domain names from members of the general public. The Launch phase starts from 10:00 AM on Monday the 18th Sha'wal 1431 H (27th September 2010 G).
  - Qualified registrant:** An entity or individual who has a registered trade name or mark with Ministry of Trade and Industry in Saudi Arabia, including all governmental or semi-governmental authorities and organizations.
  - ADNR:** The Arabic Domain Name Regulation under the IDN ccTLD (السعودية), which is published on SaudiNIC's website.

## Saudi Domain Names Objection Rules and Procedures

Version 2.0 Saturday 25/04/1431 H (10/04/2010)

### 1. Definitions

- The terms and expressions defined in the Telecommunication Act, its bylaws and the Regulations for Saudi Domain Name Registration shall have the same meaning in this document. In addition, the words and expressions set hereunder in this document shall have the meanings assigned below:
- This Document:** this Saudi Domain Names Objection Rules and Procedures, including any future approved amendments or additions.
  - SaudiNIC:** Saudi Network Information Center at CITC is the registration authority for the Saudi ccTLDs. SaudiNIC is responsible for providing Registration Services for the Saudi ccTLDs, as well as formulating and implementing policies procedures with regard to the Saudi ccTLDs and managing and operating their registries.
  - Decision:** any decision issued by SaudiNIC related to the registration services.
  - Saudi domains names:** domain names registered under the Saudi ccTLDs, and managed by SaudiNIC
  - Objecting parties:** include both the objector and defendant (each of which is referred to as party).
2. The Scope of this Document
- 2/1 This document sets the rules and procedures governs the objections on Saudi domain name
- 2/2 CITC jurisdiction to implement this Document is limited to the objections in connection with followings.

## Main Registration Regulation

## Regulation for Opening ADN Registration

## Objection Rules and Procedures (DRP)

### Procedures Governing Reserved Names Under Saudi Domain Names

Version 1.0 Date 10/5/1431 H (24/4/2010)

#### 1 Scope of procedures

This document establishes procedures for creating a list of reserved names under Saudi domain names, and a mechanism for managing this list. |

#### 2 Definitions

The terms and expressions defined in the Telecommunication Act, its bylaws and the Regulations for Saudi Domain Name Registration shall have the same meaning in this document. In addition, the words and expressions set hereunder in this document shall have the meanings assigned below.

- Domain name:** a word or phrase used to access Internet services, rather than the numerical address.
- Reserved name:** a word or phrase that is prohibited to be used in Saudi domain names, according to the criteria set in these procedures.
- The List:** a list of reserved names prepared under these procedures.

#### 3 List of Reserved names

- 3/1 SaudiNIC establish the List that includes reserved names in the following categories:
- Geographical: such as names of cities, governorates, regions and countries.
  - Absolute numbers and letters: This includes any one letter or any group of 5 digits or less.
  - Confusing: words or terms that include critical text such as (رئاسة, ministry), (السعودية, Saudi), or (bank, بنك) etc.
  - Religious: It includes names of religions and sects, sacred places, names and attributes of Allah and the names of the prophets and apostles
  - Inappropriate: It includes words and terms that present an attack on the religion, homeland, or other persons, or they offend public decency.

## قواعد إرشادية لصياغة أسماء النطاقات العربية

### ضمن النطاق العربي

#### (السعودية)

الإصدار ١.٠ تاريخ ١٠/٥/١٤٣١هـ الموافق ٢٠١٠/٠٤/٢٤

#### مقدمة

تعنى هذه الوثيقة بتحديد الرمز المسموح استخدامها عند تسجيل أسماء نطاقات عربية ضمن النطاق العلوي العربي السعودي (السعودية). أيضا تضع هذه الوثيقة جملة من الإرشادات والقواعد لتساعد على كتابة أسماء النطاقات العربية بشكل صحيح الخدين في الاعتبار الموضوع التي تفس اللغة أو الحرف العربي. يكون للمصطلحات والتأجيل المعرفة في لائحة تسجيل أسماء النطاقات العربية نفس المعنى المحدد لها في تلكم اللائحة عند استخدامها هنا في هذه الوثيقة والخصوص المصطلحات التالية:

- اسم نطاق:** يطلق على أي من الصيغتين القياسيتين أو كلاهما المستخدمة لتمثيل أسماء النطاقات باللغة العربية طبقا للمواصفات القياسية الدولية الخاصة بأسماء النطاقات المدونة بحيث تكون:

○ الصيغة الأولى باللغة العربية: وفي عبارة عن اسم مكون من مقطعين عربيين مقصود

### Criteria to Demonstrate Reasonable Relationship between a Domain Name and a Registrant

Version 1.0 Date 05/20/1431 AH 04/05/2010

#### Introduction:

1. Applying the text of paragraph (7/3) of the regulation of domain name registration in Saudi Arabia, which requires that the domain name should have some reasonable relationship to the Registrant. This document shows some criteria to demonstrate this relationship, without prejudice to the terms and conditions mentioned in the registration regulations. |

2. Criteria identified in this document are guidelines that are made available to help the registrant to select a domain name to be registered. They are not binding on SaudiNIC, and they do not give the Registrant any rights to preserve the domain name or infringement on the rights of others.

#### Criteria:

- 1: **The label should be an exact match of the registrant's name**  
An "exact match" is where the label of a requested domain name matches one or more of the words comprising the name used by the registrant to establish their eligibility. The words must be used in the same order as they appear in the name. Furthermore, it should represent the name without confusion. It should not match a full name of other entity or a generic word.

## Procedures Governing Reserved Names

## Guideline for writing ADNs

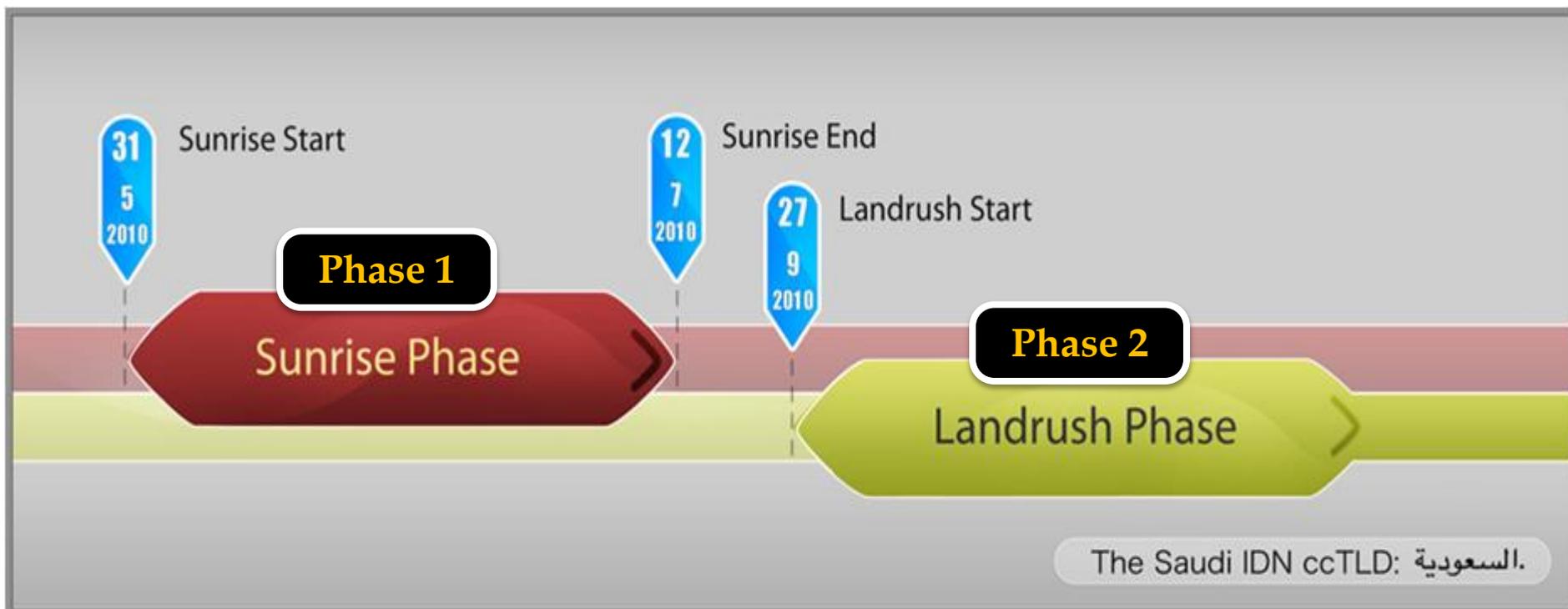
## Clarification for Reasonable Relationship between a Domain and a Registrant

# *What we have done*

## *Opening The Registration*



- We announced our Registration Plan (2 phases) on 15 April 2010



# *What we have done*

## *Technical Enhancements*



- **Rebuilt the registration system to support:**
  - Arabic IDN ( A-Label & U-Label)
  - Language table(s)
  - Language Confusability Safeguard (Emlaa Algorithm)
    - Different shapes for the same letter (أ إ آ ا) (ه هة) (ي ي)
  - Script wide Variants (Master-key Algorithm)
    - Registering a domain will results on automatically blocking all its variants from other (They can be enabled by the same registrant)
    - More info: [http://arabic-domains.org/adn\\_tools/mk/index.php](http://arabic-domains.org/adn_tools/mk/index.php)
  - Build/updated some tools & scripts related to IDN
    - IDNA 2003 & IDNA2008 implantations
    - DNS checker & Zone editor
    - Zone builder, Whois & Light Whois (Finger)
  
- **Infrastructure enhancements**
  - Increased Connection BW and installed new servers
  - Implemented Anycast and IPv6 on our new IDN ccTLD

# What we have done

## Developed a Registry-level Approach



### Registry-Level Approach

Stage 1

Language  
Table

RFC5564

Stage 2

Confusability  
Safeguard  
(Language)

أحمد

VS.

احمد

Stage 3

Master-Key  
Algorithm  
(Script-wide  
Variants)

كلى

(U+0643, U+0644, U+0649)

VS.

كلى

(U+06CC, U+0644, U+06A9)

A master-key code

It gives the registrant the control on the valid list of variants domain names (activate/bundle).





# *What is Next ? ... السعودية.*

# What is next?

## IDN TLD variants

Visit our website:  
Makkah.sa

قم بزيارة:  
مكة.السعودية



**There is a need to enable TLD Variants**  
Delegating IDN variants to our clients can not happen without getting the TLD variants.



ك (0643)

ي (064A)

ك (06A9)

ي (06CC)

مكة.السعودية

مكة.السعودية



# *What is next?*

## *IDN Support in Applications*

- **IDN support in any users applications:**
  - email, chat, search engines, ...
- **User friendly applications:**
  - **Display** the (U-Label) to the user (NO A-label display)
  - Handel **Right to Left** correctly ... better readability of the address bar
  - Recognize IDN (U-Label) as a **hyperlink**
  - **Transparent** to the user (discouraging the A-label display)
  - Converting “**spaces**” to Dashes (end users are not familiar to use “-” as a word separator)



# *Lessons learned*

# *Lessons learned*

- **TLD variants are a must-have!**
  - Reaching IDN domains from any place
- **Hosting Companies (local and global) dose not support new IDN ccTLDs + Issues with default zone setting**
  - Need more awareness and coordination
- **Still there are some issues with IDN applications**
  - Generation technical reports (testing applications)
  - Attending IDN Software Developer's Consortium
- **Marketing is a must!**
  - Deploying Registry-Registrar model soon
- **Variant overhead on customers**
  - They need to host the domain name and needed variants



***Thank you***

**شكرا**

For more information you can visit:

[www.nic.sa](http://www.nic.sa)

للمزيد من المعلومات يمكنكم زيارة:

**سجل السعودية**

الآن يمكنك تسجيل نطاقك باللغة العربية

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dinnerplan.com www.familyisimportanttome.com www.imlatetobeontime.co  
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سعودي وواضح من عنواني

