UAE Experience in IDN

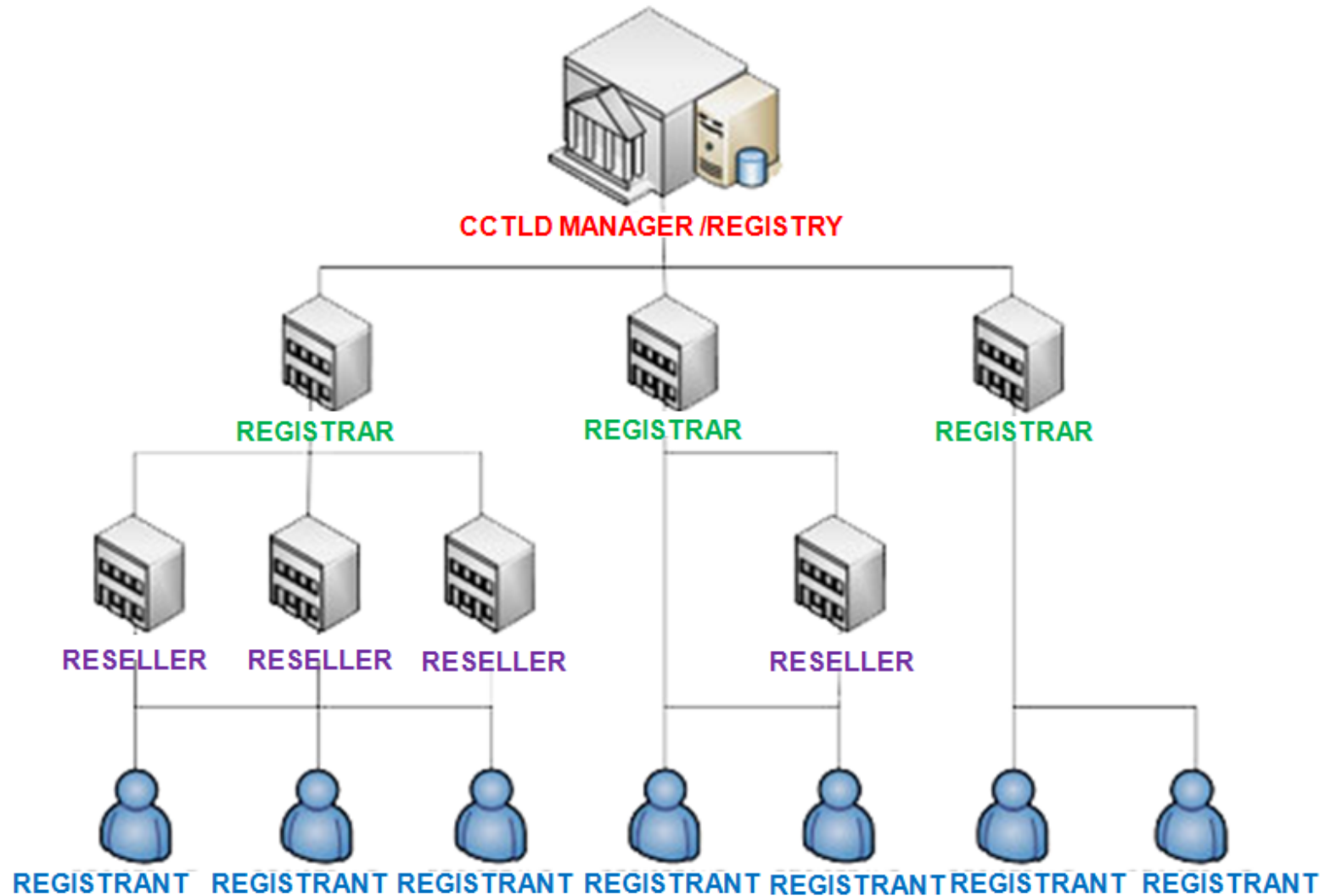**Presented By.**
.ae Domain Administration (UAE)
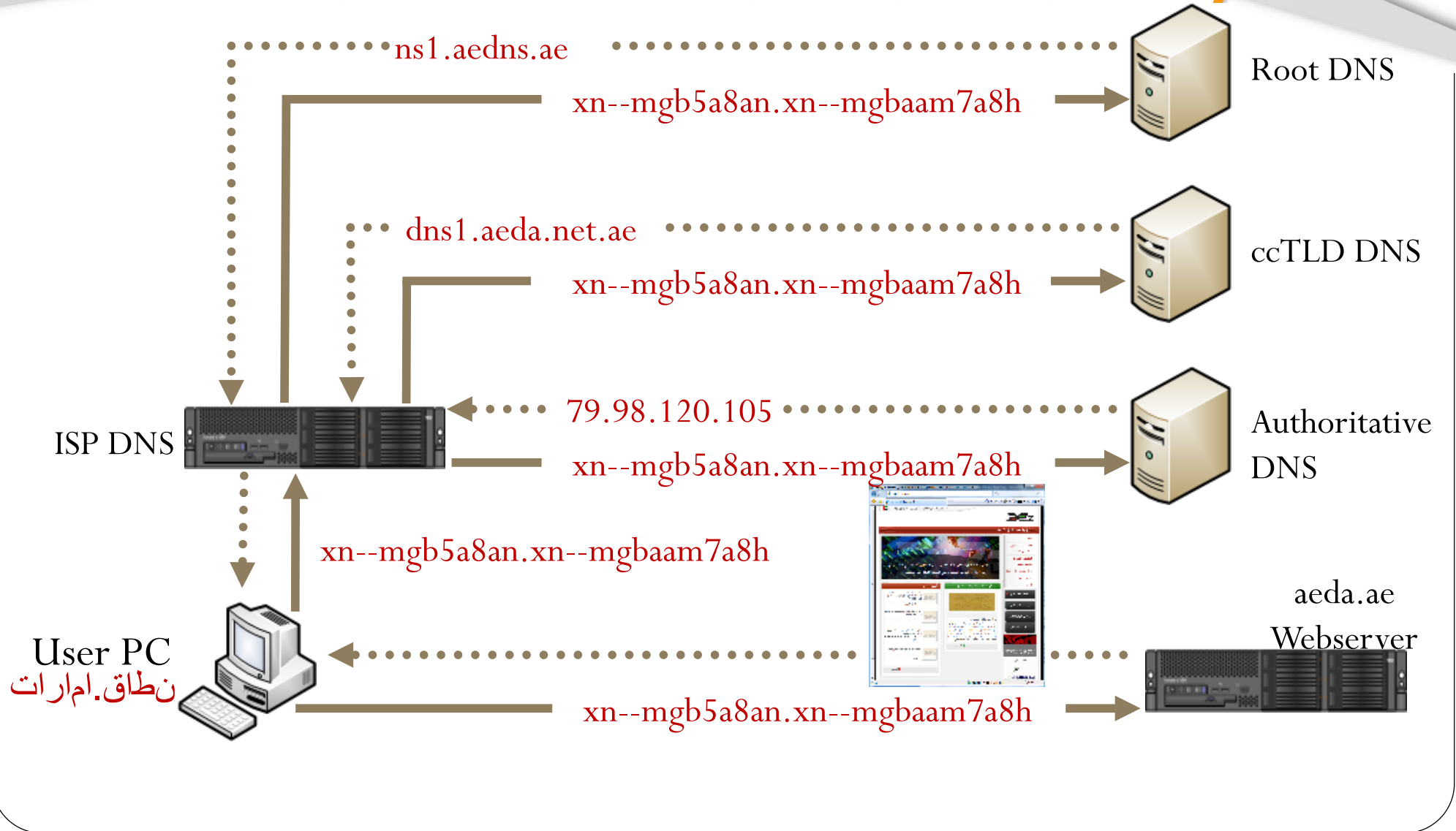
.ae REGISTRY REGISTRAR MODEL

Agenda

- Background
- Arabic IDN Domain Functionality
- Arabic Enabled Registry System
- Variants within Arabic Language
- Cross Language Variants
- IDN ccTLD FastTrack - Background
- IDN ccTLD FastTrack - Participation Reason
- IDN ccTLD FastTrack - Our Experience
- IDN ccTLD Fast Track - Timelines
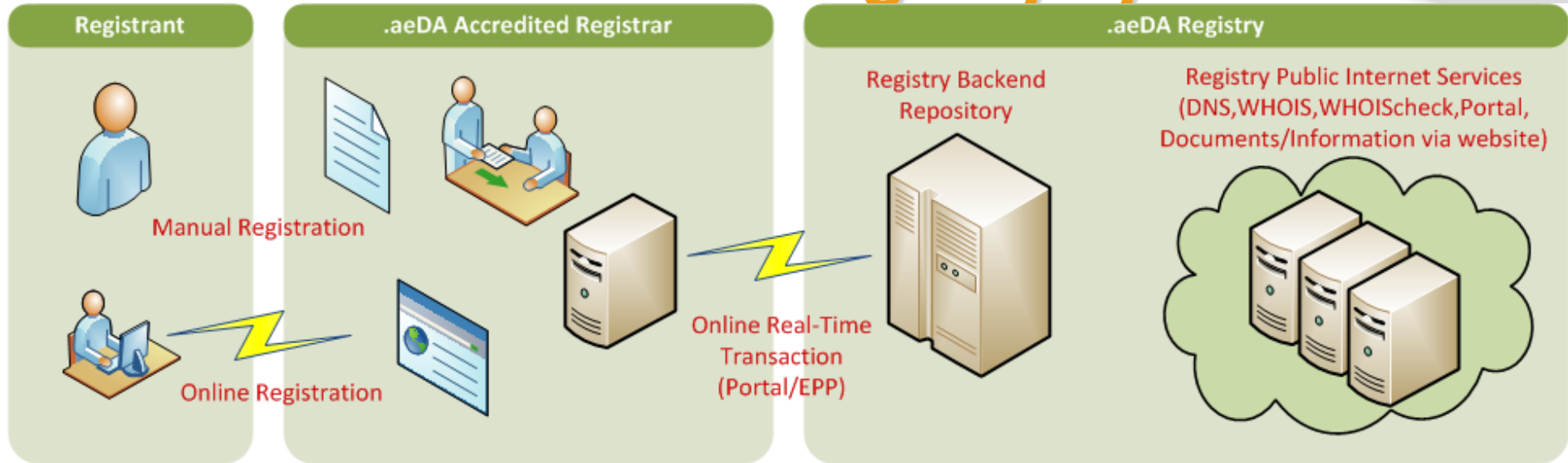- IDN Launch Strategies to consider

Background

❑ Internet websites and emails use domain names

❑ Domain names are based only on English character script

❑ Accessibility of Internet via native language character scripts such as Arabic does not exist today

❑ Internet accessibility limitation was identified.

❑ Initiative was taken to officially use امارات. as the country's representation on Internet via Arabic language

Arabic IDN Domain Functionality
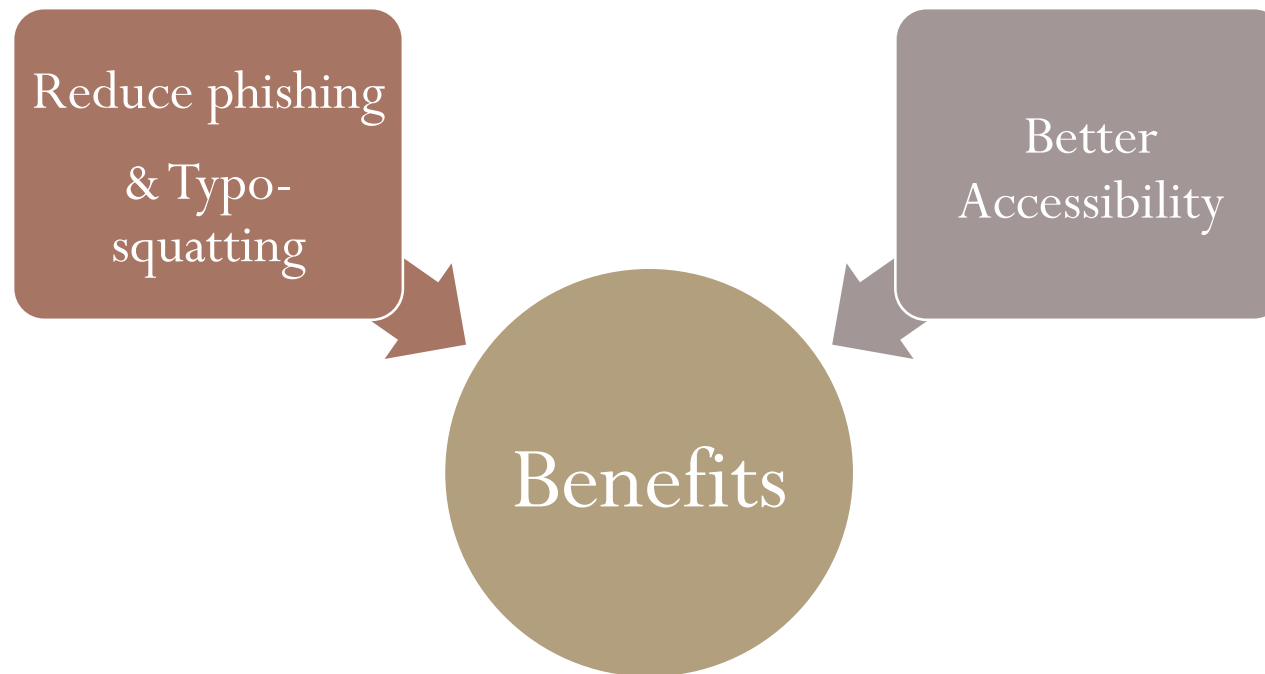
Arabic Enabled Registry System

Registrant

Manual Registration

Online Registration

.aeDA Accredited Registrar

Online Real-Time Transaction (Portal/EPP)

.aeDA Registry

Registry Backend Repository

Registry Public Internet Services (DNS,WHOIS,WHOIScheck,Portal, Documents/Information via website)

Domain Creation Transaction

Domain	:	علوم .امارات
Registrant	:	محمد
Technical Contact	:	محمد
Host	:	خادم١ .نطاق .امارات

خادم٢ .

نطاق .امارات

Variants

Reduce phishing & Typo-squatting

Better Accessibility

Benefits

Variants within Arabic Language

Variants in Arabic Languages		Variants in Arabic Languages	
U+0627 :	ALEF ا	**U+0625** :	ALEF with Hamza below إ
U+0647 :	HEH ه	**U+0629** :	TEH Marbuta ة
U+064A :	YEH ي	**U+0649** :	ALEF MAKSURA ى

❑ There are some characters in the Arabic language looking visually similar, these are called variants.

❑ In order mitigate phishing risks, variants needs to be handled. See above example.

❑Once a registrant registers a domain,variants needs to be handled.

Cross Language Variants

Variants in Different Languages

Arabic :	**U+064A**	: ي
Persian:	**U+06CC**	: ى
Urdu :	**U+06CC**	: ى

Variants in Different Languages

Arabic :	**U+0643**	: ك
Persian:	**U+06A9**	: ک
Urdu :	**U+06A9**	: ک

❑ The Arabic script is the 2nd most widely used in the world (used by more than 43 countries) , used by many languages such as: Persian, Urdu, Turkish, Kurdish,Swahili, …

❑There exist many languages derived from the Arabic script having their own additional characters which are similar to the characters from the basic Arabic language script, thus making compatibility issues .

❑ In order to ease Arabic script users from other similar languages to use the IDN, variants should be handled with the registered IDN to provide compatibility.

IDN ccTLD FastTrack - Background

- Consisted of three parts[1]:
  1. String Preparation
  2. String Evaluation
  3. String Delegation
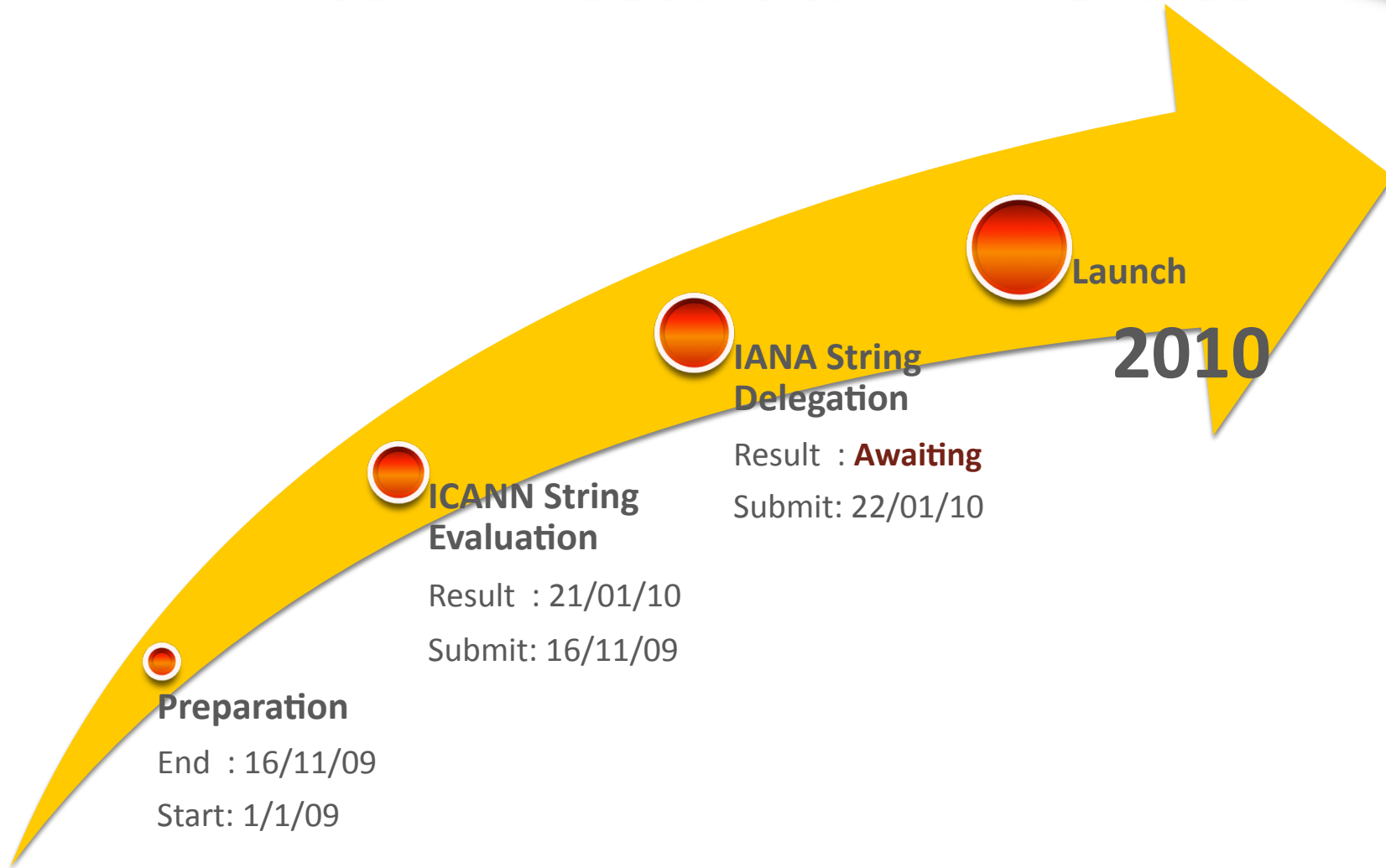
1. http://www.icann.org/en/topics/idn/fast-track/

IDN ccTLD FastTrack – Participation Reason

- The need to support Arabic language domains being our native language script.

- The need to represent our ccTLD in Arabic language script.

- The ICANN's commitment to a speedy string evaluation and delegation process.

- We have been internally ready to support Arabic language domains.

IDN ccTLD FastTrack - Our Experience

- Preparation, String Evaluation & Delegation:

  - We achieved a consensus on the string which is intended to represent UAE using native Arabic language script for internet domain names. This comprised of the Internet community, the service providers and the UAE government.
  - Similar consensus was acquired for the selection of the IDN ccTLD operating entity and the registry which shall operate it.
  - All relevant documentation related to achieving the above were obtained and submitted to ICANN for string evaluation.
  - Upon successfully receiving the ICANN string evaluation we submitted the relevant documentation for the string delegation to IANA.
  - We are now awaiting the delegation of our requested IDN ccTLD string امارات. (dotEMARAT)

IDN Launch Strategies to consider

Soft Lunch Period

- Commencing operations with a limited number of official websites IDN under ccTLD before moving to the next phase in the Launch Strategy

Sunrise Period

- Where only trademark holders, or other specified criteria are allowed to register Domain Names.

Land rush Period

- Where eligibility is the same as it will be after go-live, however a premium price may be charged for the Domain Name.

IDN Launch Strategies to consider

Pre-emptive Rights
- Allocation of IDN Domain Names corresponding to their ASCII Domain Name for existing Registrants.
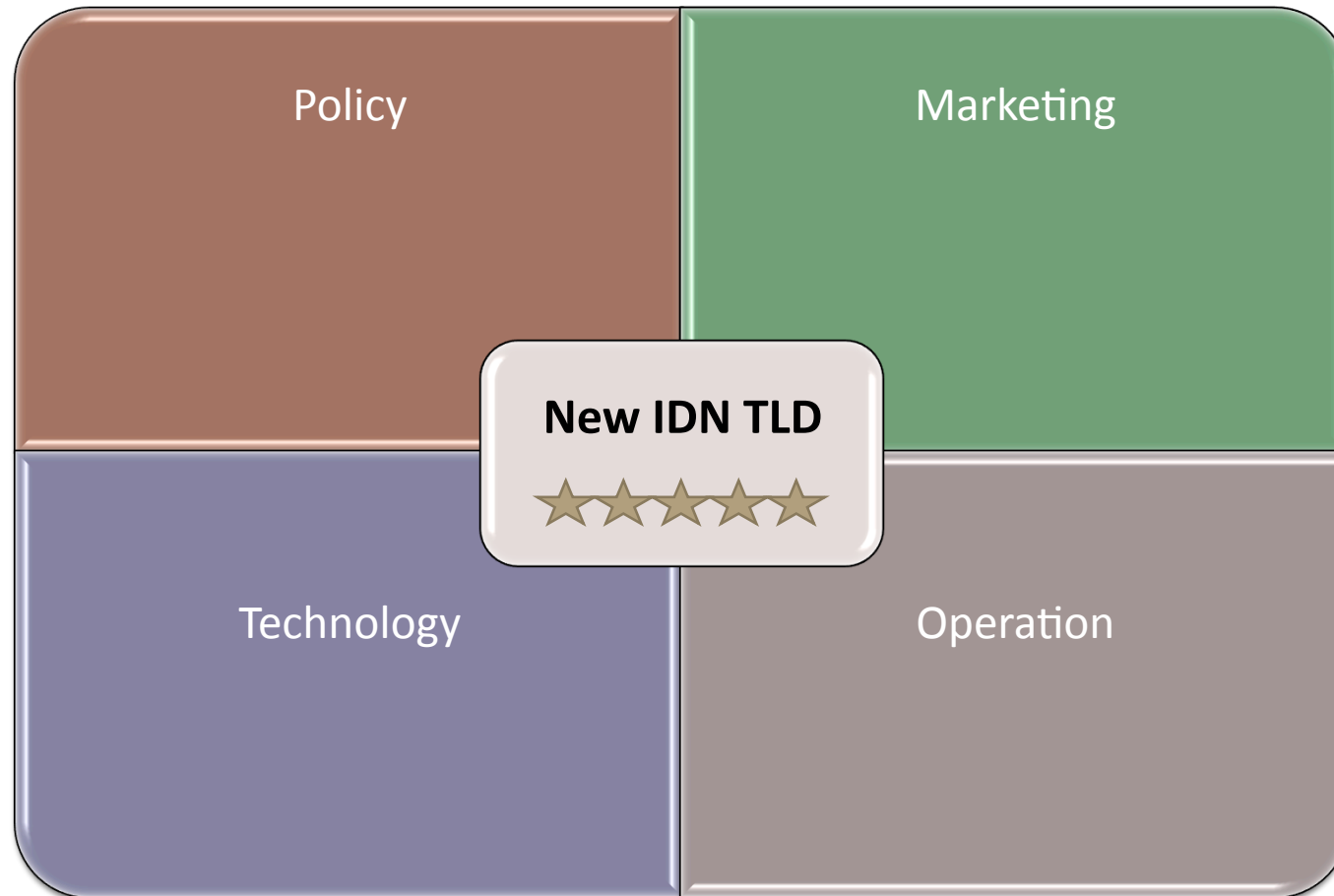
Auctions
- Auctioning of Premium Domain Names is a possibility that may be considered.

Go Live
- Commencement of 'normal' operations of the IDN ccTLD where Domain Names are allocated on a 'First-Come, First-Served' basis, according to policy.

IDN success pillars

Policy	Marketing
Technology	Operation

New IDN TLD
★★★★★

Thanks

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- Questions

- أسئلة

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