**Generic UA Slide Deck**

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* Universal Acceptance
  + What is it?
  + What does it look like?
  + Who’s doing something about it?
  + What are they doing?
  + How can you help?
* UA – What is it?
  + Where not all domain names are treated equally on
    - Acceptance
    - Storage
    - Processing
    - Display
  + E-mail Address – International (EAI) is related
    - E-mail address with non-ASCII characters – somewhere
* UA-What does it look like? – Validation on Entry
  + Validating TLDs on input produces false negatives
    - ‘New’ TLDs are different
      * Non-ASCII
      * More than three characters
      * Didn’t exist yesterday
    - E-mail addresses rejected
    - Browser interpret entry as a search string, not an address
* UA-What does it look like? - Storage
  + Domains Addresses could be stored as 8-bit UTF-8 characters instead of the standard 7-bit ASCII
  + Domains Addresses could be stored as Puny Code (xn--…) instead of Unicode.
  + URLs vs IRLs – what’s to the Right of the “/” – and how is that stored?
  + Transformation will need to be done on the way in and on the way out.
* UA-What does it look like? – Processing
  + There are probably some network devices that have firewalls hard-coded for TLD validation.
  + Browsers need to learn when an address is an address and when it is a search term.
  + Other devices need to know that there are new TLDs, and that there are new ones being added every day. And that they are no longer all in ASCII. [Think about your clever photocopier that will e-mail your scanned document. Can it cope with an non-ASCII address?]
* UA-What does it look like? – Display
  + Software needs to determine what it will display and under what circumstances.
    - Unicode or Punycode?
    - What if the device can’t display the characters?
    - What if a Unicode script is not installed?
  + Should the community agree conventions?
* UA-What does it look like? - E-mails
  + How are addresses treated?
  + Are all Mail Servers compliant? Clients?
  + What happens when mail encounters a non-compliant server or client?
  + What happens when a list of addresses included EAIs and ASCII addresses?
  + What happens when scripts are mixed? Particularly Arabic or Hebrew (Right to Left scripts)
* UA-Who’s doing something about it?
  + Most major Internet browser and e-mail operations.
  + Other vendors are also working on it.
  + Universal Acceptance Steering Group
  + IANA
* Universal Acceptance Steering Group
  + Coordinators
  + Topline & Technical Issues
  + International
  + Measurement and Monitoring
  + Community Outreach
  + UA General Discussion
* UA-Topline & Technical Issues
  + Identifying most effective areas to focus
  + Developing Definitions
  + Developing Technical Specification for Solutions
  + Developing Use Cases
  + Defining UA Ready
* UA-International
  + IDN focused
  + EAI focused
  + RFCs
* UA-Measurement & Monitoring
  + Defining Success
  + Building Test platforms
  + Monitoring based on Definitions
  + Building Knowledge Base
  + Collating complaints
* UA-Community Outreach
  + Slicing and dicing communities of interest
    - Geographic
    - Application
    - Industry
  + Creating White Papers
  + Ambassadorships
* UA-How can YOU help?
  + Get involved
  + Spread the word
  + Test your own systems
  + Advocate to your suppliers, governments, community leaders