In defence of jCard's goals

ICANN ROW, Bangkok 2019

George Michaelson **ggm@pobox.com**

History

- EPP uses simpler form of address/contact info
- UPU has structure but we didn't use it
- Multiple suggestions to use vCard/jCard (2011/2012)
- Profiling discussed (2013) but not pursued
- Considerations of problems, risk of problems discussed in IESG (2014)
  – Documents standardized (2015) with jCard
  – Good evidence its proving complex
- (2019) Gavin Brown proposes return to EPP data in JSON
  – But its not going to handle generalized i8n

What problem(s) are you trying to solve?

- APNIC spans 56 economies
- We have high participation of resource holders in non-western script and languages
- We have seven National Internet (sub) Registries
  - Who collate and process data in local languages
  - … but who share English-language filtered subsets with us

- We want to replicate and serve NIR data in local language
- We want to improve coverage of information into the locally used script and language
- We want RDAP clients to be able to use language preference

LEA and MLAP

- Resident of (e.g.) Syldavia is hacked, has logs
- Syldavian LEA investigates, source address found
  - Delegate is in Borduria
  - WHOIS/RDAP response is in English
  - Identifies source address vesting in economy "Borduria"
- Syldavian LEA contacts Bordurian LEA
  - Who can access data in Bordurian Script
  - With Accurate Bordurian contact information and address
- Casework continues in Borduria more effectively

Other issues: Address, Title, Errors

- Western Name forms poor analogue for some cultures
  - Many people from Indonesia only have one name (no surname)
  - Formal titles do not translate into Mr/Ms/Miss/Mrs well
- Postal address structure is not a western model
  - Not Number, Street, but Block, sub-block
  - Rural community locations with no formal address
- Transcription errors
  - How confident are you the western address transcription is right?
- Registration proceeded in non-western scripts.
  - Why coerce to ASCII?

- Drives to unstructured name/address in JSON, or a lot of <null> alternates

I don't have the answers..

- RIR use of RDAP strongly motivated by local language support in current models (Whois)
  - We already have un-structured, semi-structured WHOIS in multilingual form (KRNIC, JPNIC, VNNIC) which is badly captured
- If not jCard then a format which recognizes local language/script and provides choice for browser to select
- Structured vs Un-Structured address issues will remain
  - Not all address forms admit to field tagging,
  - or fieldset includes NULL

Justin Mack on complexity in jCard

” JCard is very flexible but the massive use of jagged arrays requires implementers to customize serialization and deserialization. It would be better to have a JSON representation which could be marshalled/unmarshalled by the usual toJson/fromJson methods. ”

- jCard is probably our biggest implementation burden and interoperability problem right now
- Something simpler is needed, but please don't drop i8n

APNIC

APNIC 48

CHIANG MAI, THAILAND
5 – 12 September 2019

#apnic48

Registration - opens soon
Call for Papers - open now
Fellowships - open now

Hosted by

THNIC
มูลนิธิศูนย์สารสนเทศเครือข่ายไทย
THAI NETWORK INFORMATION CENTER FOUNDATION

TISPA
สมาคมผู้ให้บริการอินเทอร์เน็ตไทย
Thai Internet Service Provider Association

APNIC

8