Overview

- Definition & Purpose
- Strawman Proposal
- Vendor Selection Criteria
- Technical Submission Examples
Definition and Proposed Purpose

A set of tools that enable the Registrar Community to perform an correctness check and ensure greater accuracy of physical address information associated with the Registered Name Holder.

2013 RAA Contract Language - Across Field Verification (WHOIS Accuracy Program Specification)

‘Validate all postal address fields are consistent across fields where such information is technically and commercially feasible for the applicable country, region or territory i.e. street exists in city, city exists in state/province, city matches postal code’

Proposed Benefit

By incorporating a Address Field Accuracy Validation tool(s), Registrars and Registrants will enhance the creditability of the data contents contained within WHOIS based on leveraging commercially viable tools that support address validation with limited margin of error, for named countries, regions, etc. As a result, greater registrant engagement is feasible given the increased accuracy of contact information.
Re-engagement: Registrar WHOIS Validation Working Group

- Doodle Poll to members by 20 November 2016 to kick start engagement and review of Strawman Proposal

Registrar WHOIS Validation Working Group members include

- Darcy Southwell, Endurance
- Gregory DiBiase, Amazon
- Theo Geurts, RealTimeRegister
- Iliya Bazlyankov, Corenic.org
- Sara Bockey, GoDaddy
- James A. Bladel, GoDaddy
- Chris Pelling, NetEarth.net

Wiki Page:
https://community.icann.org/display/WACFV/Whois+Address+Cross-Field+Validation
Proposed Timeline

- **Dec 2016**: Strawman Review
- **Jan 2017**: Post Criteria and Application Form Finalization
- **Mar 2017**: Public Comment on Applications
- **Jul 2017**: Provider Recruitment and Application Review

Timeline:
- **Dec 2016**
- **Jan 2017**
- **Mar**
- **Apr**
- **May**
- **Jun**
- **Jul 2017**
- **Aug**
- **Sep**
- **Oct**
- **Nov**
- **Dec 2017**
Strawman Proposal Summary

Recommendation: ICANN & Registrars work in conjunction to agree upon a formal group of Address Validation Service (AVS) providers in order to address Registrars' unique requirements under applicable law.

- Registrar WHOIS Validation Working Group and ICANN shall collaborate to reach a consensus on the 2013 RAA contract requirement.
- Both parties shall define and mutually agree upon the ability to determine if a solution(s) is commercially viable, based on the provider criteria between WG and ICANN.
- If a commercially viable solution is identified, then:
  - ICANN shall propose a Provider application review and authorization process based on the established criteria.
  - Each Registrar shall contract directly with an authorized provider(s).
  - Registrar shall implement the authorized AVS service and ensure continued compliance with the Data Retention Policy.
## Proposed Vendor Selection Criteria

<table>
<thead>
<tr>
<th>Services availability</th>
<th>Address validation &amp; correction capability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scoring Methods</td>
<td>Status Code or Numeric Scoring</td>
</tr>
<tr>
<td>Support non-ASCII Characters</td>
<td>Preferably ≥ 5 Writing systems</td>
</tr>
<tr>
<td>Technical Implementation</td>
<td>API/Web Services: SOAP, XML, JSON, REST</td>
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<td></td>
<td>Bulk submission: CSV, XML file</td>
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<tr>
<td></td>
<td>Manual submission</td>
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<tr>
<td>Response Time</td>
<td>Handles &gt; 100 validation/sec</td>
</tr>
<tr>
<td>Global Footprint</td>
<td>240+ Countries/Territories</td>
</tr>
<tr>
<td>Fees</td>
<td>&lt; 0.18 USD/validation</td>
</tr>
<tr>
<td>Provider</td>
<td>Services</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Informatica</td>
<td>Validation &amp; Correction</td>
</tr>
<tr>
<td>DigiCert</td>
<td>Verification via 3rd party data</td>
</tr>
<tr>
<td>Melissa Data</td>
<td>Validation &amp; Correction</td>
</tr>
<tr>
<td>Experian</td>
<td>Validation &amp; Correction</td>
</tr>
<tr>
<td>Universal Postal Union</td>
<td>Validation</td>
</tr>
<tr>
<td>CNNIC</td>
<td>Verification</td>
</tr>
</tbody>
</table>
Potential Technical Solutions
File Submission: Batch Process

Registrar shall upload file to Informatica to perform address validation services. Data set will be parsed, analyzed, verified, corrected and/or reformatted then returned to Registrar.

- **Address Submission**
- **Service Output**
- **Master Batch Submission**
File Submission: Real-time with Invalid Response

**Address Submission**

User Input - Multiple Fields

- **Address Line**: 208 wilmington st
- **City / Town**: 
- **State / Province**: 
- **Postal Code**: 27601
- **Country**: usa

**Service Output**

Service Response - Address(es)

- 208 N WILMINGTON ST
  - RALEIGH, NC 27601-1057
  - UNITED STATES
- 208 S WILMINGTON ST
  - RALEIGH, NC 27601-1434
  - UNITED STATES

Service Response - Status Codes

- **Status Codes**: I3 - Informatica Address Verification could not correct the data completely
Q & A