

# Contact Postal Info Elements Discussion

James F. Gould

[jgould@verisign.com](mailto:jgould@verisign.com)

IETF-98 REGEXT Working Group

# Introduction

- [Original REGEXT Posting](#) By Santosh Kalsangrah
  - Seeking your input on EPP contact element <contact:postalInfo>. Could you please share if there is any EPP way to remove "int" or "loc" postalinfo from a contact having both postalinfo types associated.
- [Related PROVREG Posting](#) by Klaus Malorny
  - Behavior of updating streets under <contact:postalInfo><contact:addr>
- Questions
  - How to remove a postalInfo?
  - How to change an "int" postalInfo to a "loc" postalInfo, and vice-versa?
  - Does an update have *replace* semantics at the <contact:postalInfo> level or sub-elements of <contact:postalInfo>, like <contact:addr>?

# Does *Replace* Semantics apply to <contact:chg> Sub-Elements?

- <contact:chg> Sub-Elements
  - <contact:postalInfo>
  - <contact:voice>
  - <contact:fax>
  - <contact:email>
  - <contact:authInfo>
  - <contact:disclose>
- For each sub-element of <contact:chg> does *replace* semantics apply?
- Does exclusion of <contact:chg> sub-element implicitly delete it?

## How Do *Replace* Semantics apply to `<contact:postalInfo>` Set (“int” and “loc”)?

- Is `<contact:postalInfo type=“int”>` independent from `<contact:postalInfo type=“loc”>` or always updated as a set?
  - **If** independent **Then** delete one via empty element
    - `<contact:postalInfo type=“int”/>` or `<contact:postalInfo type=“loc”/>`
  - **Else** delete by inclusion of just one element
    - `<contact:postalInfo type=“int”>...</contact:postalInfo>` or
    - `<contact:postalInfo type=“loc”>...</contact:postalInfo>`
- Which `<contact:postalInfo>` sub-elements are required when not deleting?
  - XSD makes all sub-elements optional for update
  - `<contact:name>`, `<contact:addr>`, `<contact:street>`, `<contact:city>`, `<contact:cc>` required on create

# Proposal

- The `<contact:chg>` sub-elements do have *replace* semantics
  - Existing sub-element data deleted first and then set with updated data
- `<contact:postalInfo>` types treated independently
  - Exclusion of a `<contact:postalInfo>` type does not implicitly delete it
- `<contact:postalInfo>` type deleted via empty element
  - `<contact:postalInfo type="int"/>` or `<contact:postalInfo type="loc"/>`