Contact Postal Info Elements Discussion

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Introduction

• **Original REGEXT Posting** By Santosh Kalsangrah
  • Seeking your input on EPP contact element `<contact:postallInfo>`. 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:postallInfo><contact:addr>`

• **Questions**
  • How to remove a postallInfo?
  • How to change an “int” postallInfo to a “loc” postallInfo, and vice-versa?
  • Does an update have *replace* semantics at the `<contact:postallInfo>` level or sub-elements of `<contact:postallInfo>`, like `<contact:addr>`?
Does *Replace* Semantics apply to `<contact:chg>` Sub-Elements?

- `<contact:chg>` Sub-Elements
  - `<contact:postallInfo>`
  - `<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:postallInfo> Set ("int" and "loc")?

• Is <contact:postallInfo type="int"> independent from 
  <contact:postallInfo type="loc"> or always updated as a set?
  • If independent Then delete one via empty element
    • <contact:postallInfo type="int"/> or <contact:postallInfo type="loc"/>
  • Else delete by inclusion of just one element
    • <contact:postallInfo type="int">...</contact:postallInfo> or
    • <contact:postallInfo type="loc">...</contact:postallInfo>

• Which <contact:postallInfo> 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"/>`