vCard XML Schema
[draft-perreault-vcarddav-vcardxml-00]

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Objectives of this presentation

- Introduce the new draft.

- Obtain initial comments.

Design Considerations

- 1-to-1 mapping
  - vCard property to XML element.
  - vCard parameter to XML attribute.
- Structured values map to to element trees.
- Unstructured values map to XML text nodes.
- Schema definition language: Relax NG
  - Supports validating element content based on attribute value. (XML Schema does not.)

```xml
<?xml version="1.0" encoding="UTF-8"?>
<vcard xmlns="vcard_namespace_goes_here">
  <version>4.0</version>
  <fn>Simon Perreault</fn>
  <n>
    <surname>Perreault</surname>
    <given>Simon</given>
    <suffix>ing. jr.</suffix>
    <suffix>M.Sc.</suffix>
  </n>
  <bday>1983-02-03</bday>
  <gender>M</gender>
  <org><name>Viagénie</name></org>
  <adr>
    <ext>Suite 625</ext>
    <street>2600 boul. Laurier</street>
    <locality>Québec</locality>
    <region>QC</region>
    <postal>G1V 4W1</postal>
    <country>Canada</country>
  </adr>
  <tel type="voice">tel:+1-418-656-9254;ext=102</tel>
  <email>simon.perreault@viagenie.ca</email>
  <geo><lat>46.772673</lat><lon>-71.282945</lon></geo>
  <key value="uri">
    http://www.viagenie.ca/simon.perreault/simon.asc
  </key>
  <class>public</class>
</vcard>
```

Issues

- "pref" attribute value cannot be empty in XML.

- Define XML namespace.

  - Is there an IETF guideline for this?

- Define property cardinalities.

- Is XML text node value space same as vCard text value space?

  - If not, is there a possible bijection?

This is the last slide.