Web Services At USPTO
Agenda

- Completed Work
- Work in Progress
- Challenges with JSON Standardization
XML and JSON Standard

- XML Standard Document (Approved)
- JSON Standard Document (In Progress)
- Leverages ST.96 for both XML & JSON
- Single Vocabulary
Web Services using WIPO ST.96

- XML data structures based on ST.96 (wide adoption)
- JSON data structures based on ST.96 (Partial)
JSON Practices at USPTO

• lowerCamelCase
  – i.e., patentNumber versus PatentNumber

• For collections, both “Bag” and plural form, “S”
Challenges with JSON

- Use plural “s” instead of “Bag”
  - “inventors” versus “inventorBag”
  - “Bag” concept is foreign to senior developers and senior architects
  - Have support from other developers within USPTO

- Revisit UpperCamelCase to avoid transformations
Challenges with JSON  Cont’d

- Remove repeating names within a context.
- Reuse existing ST.96 names is preferred

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<th>XML (ST.96)</th>
<th>JSON (based on ST.96)</th>
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Questions