

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

XML (ST.96)	JSON (based on ST.96)
DocumentIncluded	documentIncluded
DocumentName	name
DocumentFormatCategory	formatCategory
DocumentDate	date
DocumentMediaCategory	mediaCategory
DocumentLocationURI	locationURI
DocumentVersion	version
DocumentSizeQuantity	sizeQuantity



Questions

