

# X12C COMMUNICATIONS AND CONTROLS SUBCOMMITTEE

## Interim Meeting Minutes

**NOVEMBER 10, 12 noon–1 p.m. EST**

**Attendance—9 people, 6 constituents**

### 1. Thursday, November 10

#### 1.1. Administration

- 1.1.1. The October Interim Meeting minutes will be considered approved on November 28, 2022, barring objections.

#### 1.2. Pending—none

#### 1.3. RFI Database

- 1.3.1. 2596 “Request for clarification on the representation of numeric types with regards to exponents and lengths”

- 1.3.1.1. The requester submitted this informal RFI as a replacement to two previous RFI submissions. Staff has cancelled those earlier submissions.

- 1.3.1.2. The Chair’s proposed response was unanimously approved. The response is:  
The question has several questions and they have been numbered. These are the answers:

1. .1

2. 1

3. 1

4. Correct, suppress the leading zero.

5. The lengths concern the values in the data stream, not how they may be transformed. So, 1000 is 4 characters and 1E3 is two characters.

#### 1.4. Active

#### 1.4.1. X12 and Java Script Object Notation (JSON)

- 1.4.1.1. J.P. McCrory from Walmart joined the meeting as a guest. The Chair has spoken with J.P. a number of times about JSON. He has a lot of EDI experience, as does Walmart.

- 1.4.1.2. One key reason for X12 to consider JSON is that modern programming languages don’t have native support for EDI, but they do for JSON.

- 1.4.1.3. There are constructs within JSON schemas that would support X12 syntax notes. XML schemas do not have that ability.
- 1.4.1.4. UNCEFACT has approved their work (See the following). However, if you develop using their naming and design rules, you have to offer it as open source, which doesn't work for X12's IP approach.
  - 1.4.1.4.1. [OpenAPI Naming and Design Rules V1.0](#)
  - 1.4.1.4.2. [JSON Schema Naming and Design Rules V1.0](#)
- 1.4.1.5. [Input from Doug Anderson concerning JSON](#)
- 1.4.1.6. Contrary to Doug's position, the Chair doesn't believe that an isomorphic approach is a non-starter.
- 1.4.1.7. The subcommittee's charge is to make a recommendation to the Steering Committee.
- 1.4.1.8. The Chair is looking for volunteers to help with JSON use cases.
- 1.4.1.9. A model for what X12 might do concerning JSON is the TR4 "Constructing Base Standard XML Schema Definition from X12 EDI Metadata."

Meeting adjourned at 12:30 a.m. EST