- 1) Call to order
- 2) Agenda approval
- 3) Regular order
  - Steve Christey Coley to update on email list reflector
  - GitHub: https://github.com/CWE-CAPEC/REST-API-wg
  - "First principals" e.g., high performance or interoperability or API backward compatibility
    - Performance (low data content)
      - Data field filtering
      - SQL "select" statement, for example
      - Entire CWE = 11M, but simple request is at least 10x less
      - Date range as a filter
      - Latency requirement: single item reply should be sub-second response
      - Use cases
        - Drop-down list of all IDs → click one → get further detail
        - Sensor ap: what CWEs apply to this sensor (e.g., safety sensor) for a lightweight mitigation set ("select" statement might work for this)
        - CWE related to a CVE when code analysis tool flagged issues
      - Sorting would NOT be a feature
        - Top 25 would ok
        - Easiest to observe CWE could be retrieved (ordered)
    - Interoperability
      - STIX may add 256 more bytes per request, as STIX includes a wrapper around the underlying CWE information
      - Weaknesses easily expressed with STIX
      - STIX has "extensibility" feature
      - STIX is the schema
      - TAXII is an access method, but not the only way to the STIX data
    - API backward compatibility
      - CWEs released quarterly
      - 50% of the time, schema changes
      - New fields, info, elements...
      - Idea: don't tie the API to the schema
      - Don't delete columns... simply add new fields
      - Provide enumerations for fields this would keep some means to digest new items
      - Schema and content versioning already exists
      - Would the API ALSO have a version?
      - Schema might have several data release versions, but only ONE schema survives at a time
      - Could some "rules of engagement" be leveraged to handle SOME schema flexibility?
        - Example: new enumeration added to field
        - Perhaps some mechanism to "delay" rollout of "latest" schema by API request
        - Balance against MITRE desire to limit available versions
  - DB/tool chain deferred to later meeting

- o STIX 2.1
- o TAXII
- Swagger (language: <u>API Documentation & Design Tools for Teams | Swagger</u>) can be used as a design front-end to the API, code, and docs, and supports port to YAML
- o XPATH link to XML
- GraphQL and GraphQL Playground (Charles, Ray)
- o JSON (schema example: https://github.com/oasis-open/cti-stix2-json-schemas)
- 4) Action item review
  - Luke to send question about STIX use and a link to STIX information (<a href="https://oasis-open.github.io/cti-documentation/resources#stix-21-specification">https://oasis-open.github.io/cti-documentation/resources#stix-21-specification</a>)
  - Steve CC. and Rich to deliver database nomenclature (vocabulary, glossary)
  - o Metrics on API use, yet protect security of users' information
  - Means to restrict use (to avoid DoS issues, etc.) to registered users; keys?
- 5) Adjourn