

# API TECHSPEC PROJECT

MEETING #10, DATE 2022-05-11 @ 10:00 BERLIN-TIME

## Attendance

<b>Present:</b>
Jörg Walther (project leader)
Gerhard Heemskerck Hisanao Sugamata (ゲスト) Ian Watt Jenny Hertzfeldt Sue Probert Piergiorgio Licciardello Rudy Hemeleers Marek Laskowski
Kevin Bishop (UN secretariat)

## Agenda of the meeting

1. Report on meeting of the “technical” sub-group
2. Presentation of the current stage of the API NDR TS
3. Discussion of open questions
4. Next steps

## Details of the discussion

1. Ian requested to clarify the relation between this project and the JSON LD vocabulary project.
  - a. This project provides the NDR for JSON schema artefacts. These rules can be applied to produce JSON LD vocabularies (which are, in my understanding, a different representation of the CCL / RDM) and JSON schemas as data structures that can be used in API implementations and ensure harmonised semantics in coherence with the RDMs.

These rules are tool agnostic. However, there is a commitment from GEFEG to implement them a.s.a.p. so that the secretariat can use the FX tool to produce JSON schema artefacts parallel to the semi-annually releases of library artefacts.
  - b. This project provides rules, how to build REST API interfaces with UN/CEFACT produced JSON data structures compliant to OpenAPI 3.x . This specification shall ensure a harmonised and optimised implementation of REST APIs, no matter in which business area and by whom they are developed.
2. Jörg informed the group of the results of the technical group meeting on 6<sup>th</sup> May in Berlin. A special item was to define a sequence of rules or guidance for the specifications. The technical group proposes:
  - a. The OpenAPI 3.1.0 specification
  - b. Standards defined by internet standard organisations as RFCs
  - c. The DCSA API Design Principles 1.0
  - d. The json:api specification
  - e. Experts’ experience

The goal is to re-use best practices and not to deliberately define different structures.  
Sue mentioned recently published WCO / IMO API specs.  
The group will take them into account as well, provided, the documents are available to us.

The technical group also proposes, to deviate from the initial proposal of different names for path elements, parameters, and queries.

It seems hardly understandable for implementers or developers that the same object is to be named differently depending on whether it is used as a parameter or in a query.

3. Since Andreas was not able to participate, the discussion of detailed questions and comments raise by him in the draft document was postponed.
4. Next steps:
  - a. SPEC Domain meeting on 13.05.2022 – preparation of project report at the Forum
  - b. Meeting of the “technical” group to continue the work on the API NDR – to be organised
  - c. Next project group web meeting: 31.05.2022, 10:00 CEST

Minutes: Jörg Walther

**Kommentiert [JW1]:** Andreas to confirm I used the right terminology.