TRADELENS

UN/CEFACT 2020 FORUM

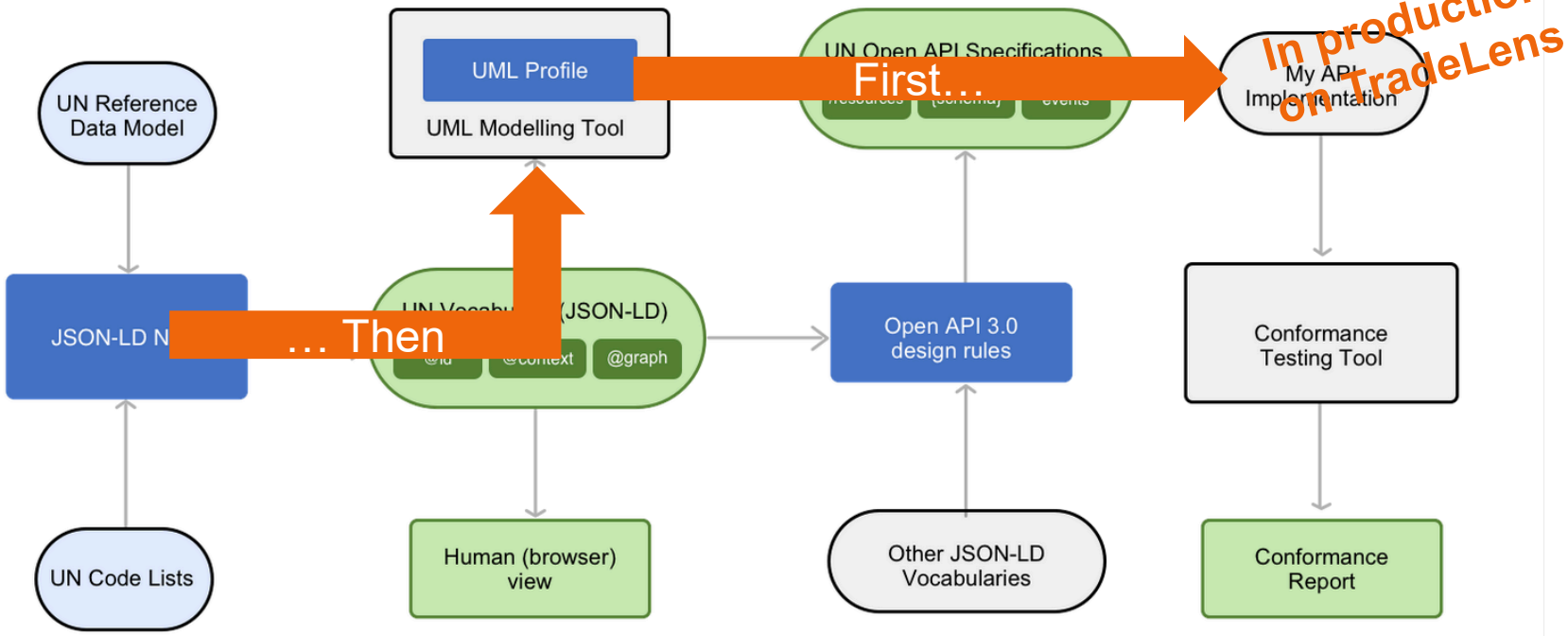
OPENING SESSION: RDM2API PROJECTS STATUS UPDATE

CASE: DESIGNING THE BILL OF LADING SCHEMA

5-OCT-2020

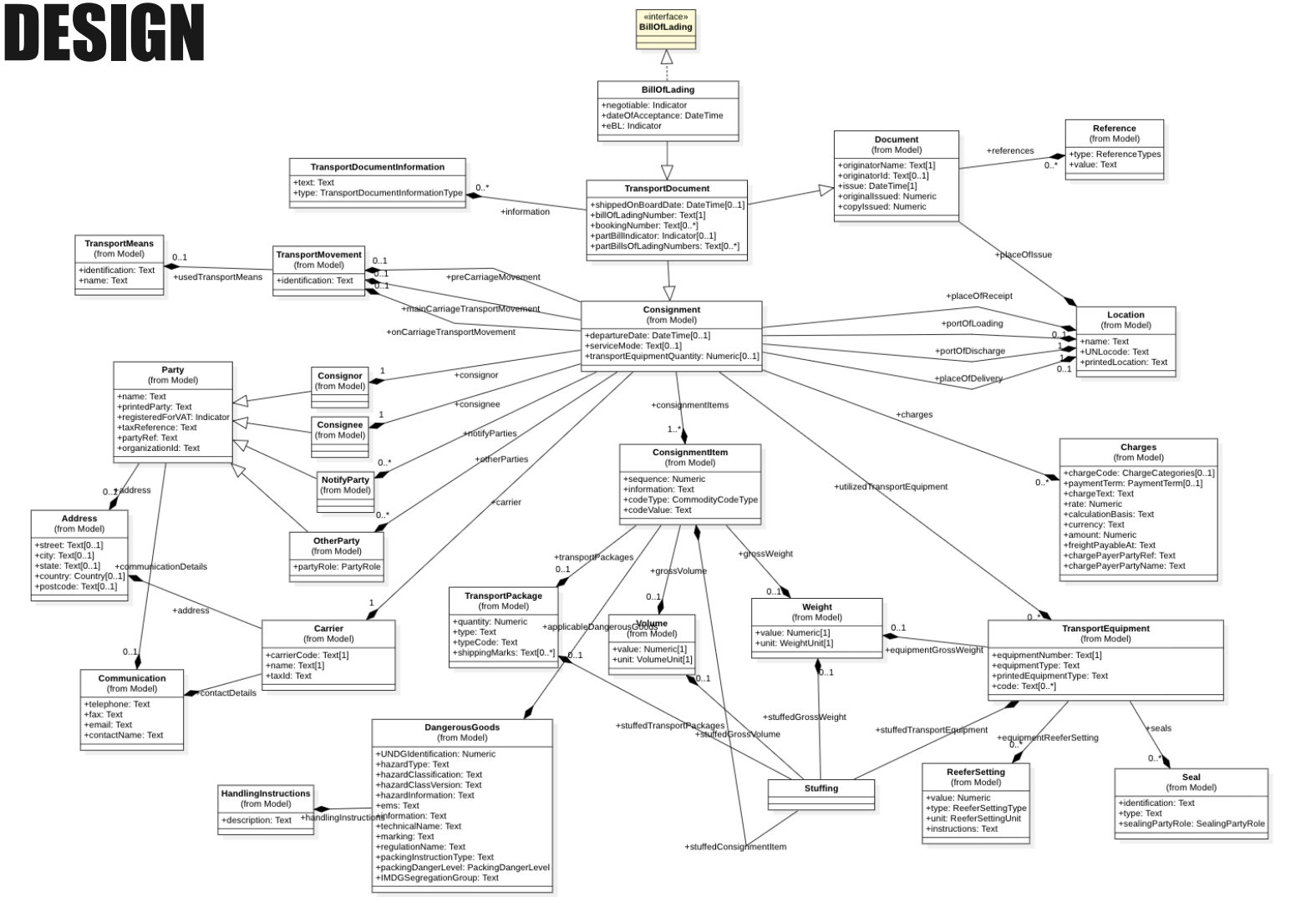
PRODUCTION-GRADE DEVELOPMENT SINCE LONDON (OCT 2019)

- RDM2API really gained traction a year ago in London.
- From this I've defined the BL schema (https://github.com/nissimsan/doc_generation), stabile in Production on TradeLens. Strengthening our edi3 method: nothing beats a real, demanding customer.
- More recently the model export has improved significantly. Somewhat reverse order, but I was in a hurry – art of the possible! :)



RDM2 API Methodology

MODEL DESIGN



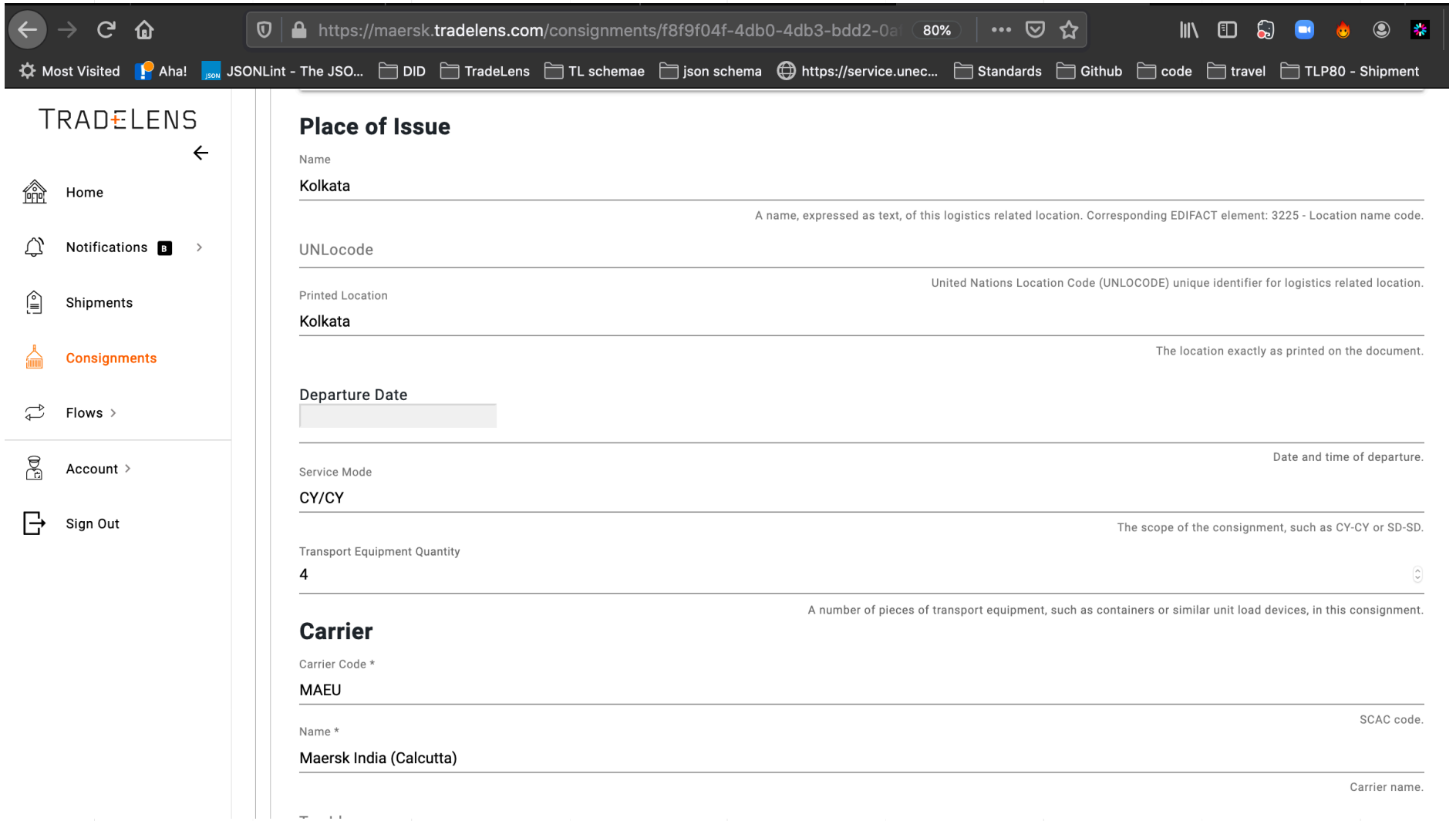
SWAGGER REPRESENTATION

BillOfLading ⌄ 1.1.3 ⌄

BillOfLading ⌄ {

description:	Bill of Lading document.
originatorName*	string The proper name (human readable) of the entity that published this event.
originatorId	string The party identification code (i.e. SCAC) of the organization publishing the event.
issue*	string($date-time) A date, time, date time or other date time value for an issuance of this document.
originalIssued	number The number of originals issued for this document.
copyIssued	number The number of copies issued for this document.
references	› [...]
placeOfIssue	**Location** › {...}
departureDate	string($date-time) Date and time of departure.
serviceMode	string The scope of the consignment, such as CY-CY or SD-SD.
transportEquipmentQuantity	number A number of pieces of transport equipment, such as containers or similar unit load devices, in this consignment.
carrier*	**Carrier** › {...}
consignor*	**Consignor** › {...}

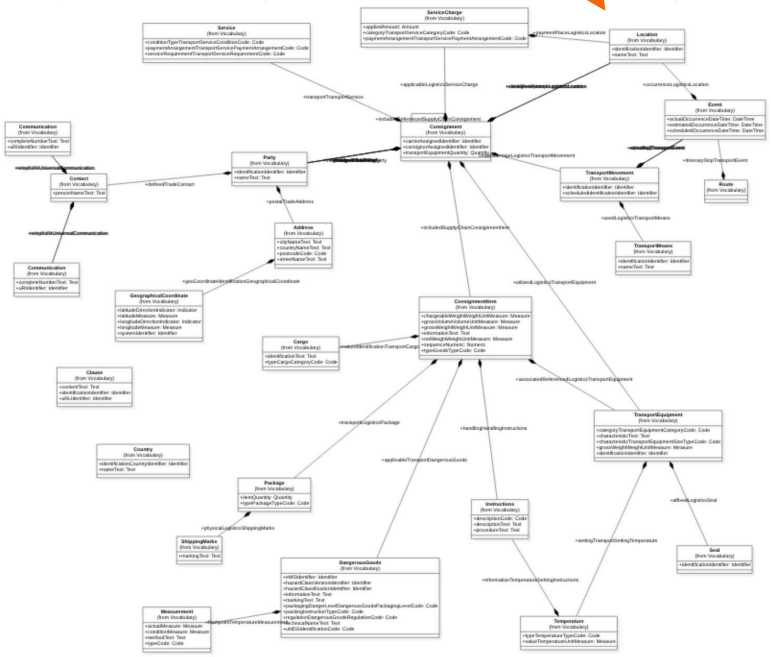
PRODUCTION EXAMPLE

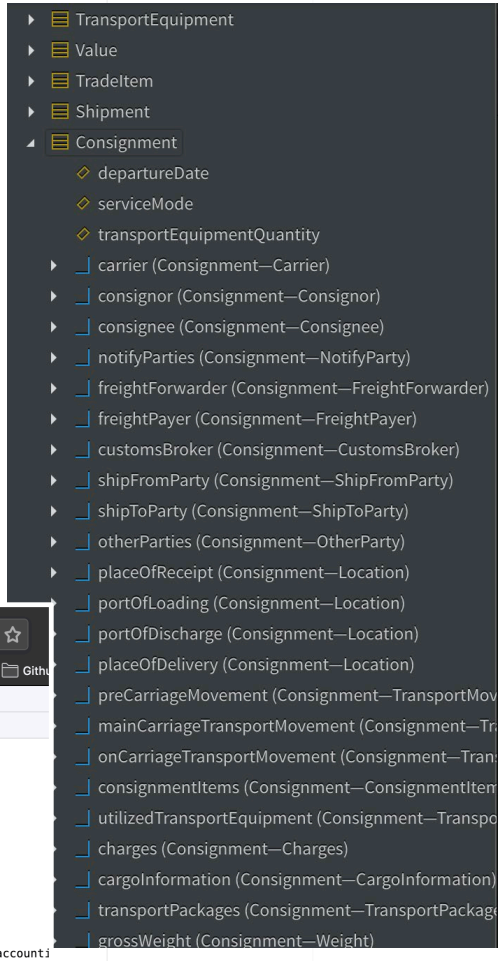


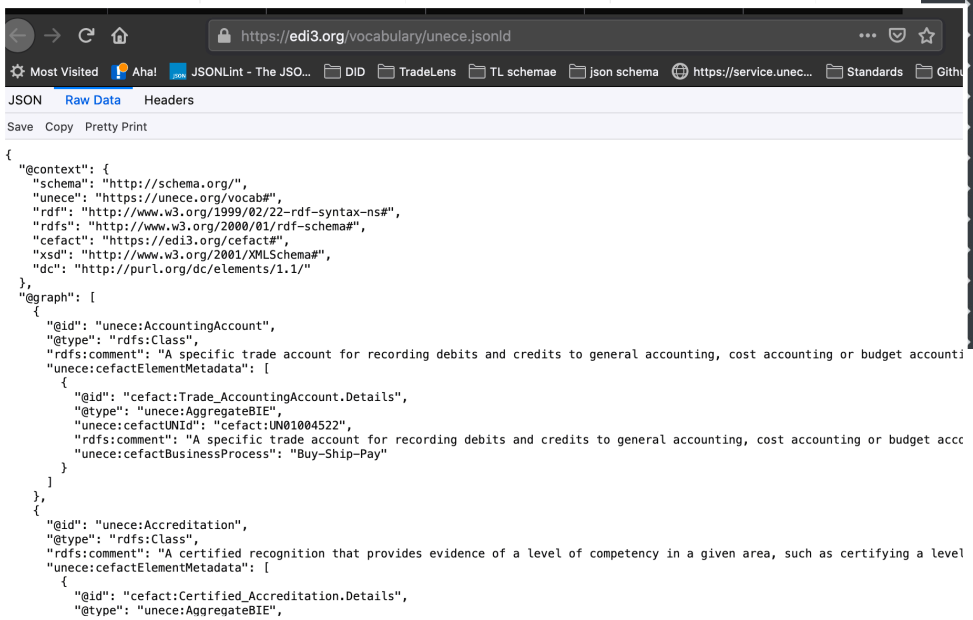
(Selected data elements shown due to confidentiality)

RECENT DEVELOPMENTS

- Building the model by hand was suboptimal.
- Now we have a beautiful jsonld graph exported!
- In the IFTM project we're now re-creating the BL, and we can move to a fully model-driven approach.







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THANK YOU

Get involved on edi3.slack.com and github.com/edi3

Please refer to https://edi3.org/json-ld-ndr/ for more.

And don’t hesitate to reach out to me on the edi3 slack or on:

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https://www.tradelens.com/