Draft-yee-registration-report-definition-00 Registration Report Definition

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Overview

Draft:

https://datatracker.ietf.org/doc/draft-yee-registration-report-definition/

Problem the draft attempts to address:

- The registries and registrars do not share a common format to inform what data a specific report would contain
- There are few common mechanisms (REST HTTP, SFTP) to deliver reports now, those mechanism could be utilized to deliver not the reports, but also report definitions

Proposed - JSON

WHY JSON?

- The format is simple and flexible
- Works well with REST and could deliver as single file under SFTP
- If there's desired to deliver report definition through EPP, it's easy to convert
  - Conversion to XML is out of scope for this draft

Example

Simple example with bare minimum: field name and tokenizer

File: transactions-def.json

```
{

  "fields" : ["tld","domain","transaction-type","time","term","charge"],

  "tokenizer" : "|"

 }
```

Example

Example with more on the definition itself, report names, report content, and field definition available in draft, snippet below on file name

```
  "version" : "1.0",

 "lastUpdate" : "2019-07-04T00:00:00Z",

 "filenNameFormat" : "RO_transaction_${TLD}_${frequency-date}",

 "fileNameConvention" : [

  { "TLD" : [ "ALL", "registry-portfolio-name", "tld-string" ] },

  { "frequency-date" : [ "daily_YYYY-MM-DD", "monthly_YYYY-MM" ] }

  ],

 "fileExtension" : "csv",
```

Example

Snippet example on report field definition

```
"defintion" : [

    { "name" : "tld", "type" : "text", "allowEmpty" : false },

    { "name" : "domain", "type": "text", "allowEmpty" : false },

    { "name" : "transaction-type", "type": "text", "allowEmpty" : false },

    { "name" : "time", "type": "text", "allowEmpty" : false },

    { "name" : "term", "type": "number", "allowEmpty" : true },

    { "name" : "charge", "type": "number", "allowEmpty" : true }

    ]
```

IANA Thought

Right now the draft indicates of no consideration needed from IANA. Would love to get feedback from working group on create an IANA repository for registration report definition.

Thank You

Love to hear feedback from working group on the draft.

Question