

# Registry-Registrar Reporting

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# Example Reports

Transaction Report	Premium Name Report	Domain Info Report
Source: TechOps	Source: Afilias, TechOps	Source: Afilias
<ul style="list-style-type: none"><li>- TLD</li><li>- SVTRID</li><li>- TRANSACTIONTYPE</li><li>- DOMAIN</li><li>- PERIOD</li><li>- TERM</li><li>- FEE</li><li>- CURRENCY</li></ul>	<ul style="list-style-type: none"><li>- TLD</li><li>- Domain</li><li>- Status</li><li>- Description</li><li>- Currency</li><li>- (Domain) Create</li><li>- (Domain) Delete</li><li>- (Domain) Transfer</li><li>- (Domain) Restore</li><li>- Start Date / Effective Date</li></ul>	<ul style="list-style-type: none"><li>- TLD</li><li>- Domain_Name</li><li>- Create_Date</li><li>- Expiry_Date</li><li>- Registrant_ID</li><li>- DNSSEC</li><li>- Status</li></ul>

# From Here to There

- Here:
  - The reports today are static
  - Registry chooses format, content, and syntax of its reports
  - Registrar must comply with registry specifications
- There:
  - Reports remain static
  - Format of a report is standardized
  - Syntax of elements in the report is standardized
  - Reporting elements are standardized
  - Reports with standardized elements are standardized

# IANA Registry of Column Headings

- Create an IANA registry of column headings
  - EPP Extensions registry: <https://www.iana.org/assignments/epp-extensions/epp-extensions.xhtml>
- Column heading registry would have the following information
  - Ordinal value for the entry (assigned by IANA)
  - Column name
  - Reference to the definition
  - Registrant of the element
  - A few other administrative elements
- First come first served registry
  - Assignments in the registry would be made to anyone on a first come, first served basis
  - No substantive review of the request other than to ensure that it is well-formed and doesn't duplicate an existing assignment

# Example Column Heading Registry (1 of 4)

Ordinal Reference	Column Heading	Reference	Registrant
1	TLD	RFC XXXX	IESG
2	SVTRID	RFC XXXX	IESG
3	DOMAIN	RFC XXXX	IESG
4	TRANSACTION_DATE	RFC XXXX	IESG
5	TRANSACTION_TYPE	RFC XXXX	IESG
6	PERIOD	RFC XXXX	IESG
7	TERM	RFC XXXX	IESG
8	FEE	RFC XXXX	IESG

# Example Column Heading Registry (2 of 4)

Ordinal Reference	Column Heading	Reference	Registrant
9	CURRENCY	RFC XXXX	IESG
10	REGISTRAR_ID	RFC XXXX	IESG
11	DESCRIPTION	RFC XXXX	IESG
12	STATUS	RFC XXXX	IESG
13	DOMAIN_CREATE	RFC XXXX	IESG
14	DOMAIN_RENEW	RFC XXXX	IESG
15	DOMAIN_TRANSFER	RFC XXXX	IESG
16	DOMAIN_RESTORE	RFC XXXX	IESG

# Example Column Heading Registry (3 of 4)

Ordinal Reference	Column Heading	Reference	Registrant
17	EFFECTIVE_DATE	RFC XXXX	IESG
18	UPDATE_DATE	RFC XXXX	IESG
19	EXPIRE_DATE	RFC XXXX	IESG
20	PURGE_DATE	RFC XXXX	IESG
21	DELETE_DATE	RFC XXXX	IESG
22	REGISTRANT_ID	RFC XXXX	IESG
23	DNSSEC_SIGNED	RFC XXXX	IESG
24	CONTACT_TYPE	RFC XXXX	IESG

# Example Column Heading Registry (4 of 4)

Ordinal Reference	Column Heading	Reference	Registrant
25	INUSE	RFC XXXX	IESG
26	NAMESERVER_HOST	RFC XXXX	IESG
27	NAMESERVER_IP	RFC XXXX	IESG
28	OBJECT_TYPE	RFC XXXX	IESG
29	OBJECT_NAME	RFC XXXX	IESG
30	CREATE_DATE	RFC XXXX	IESG
31	CONTACT_NAME	RFC XXXX	IESG

# IANA Registry of Reports

- Create an IANA registry of reports
  - EPP Extensions registry: <https://www.iana.org/assignments/epp-extensions/epp-extensions.xhtml>
- Report registry would have the following information
  - Report Name
  - Reference to the definition
  - Ordered list of column headings in the report (using ordinal value)
  - Registrant of the element
  - A few other administrative elements
- First come first served registry
  - Assignments in the registry would be made to anyone on a first come, first served basis
  - No substantive review of the request other than to ensure that it is well-formed and doesn't duplicate an existing assignment

# Example Report Registry

<b>Report Name</b>	<b>Reference</b>	<b>Columns</b>	<b>Registrant</b>
Domain Transactions (TechOps)	RFC XXXX	1,2,5,3,4,6,7,8,9,10,11	IESG
Transactions (Afiliias)	RFC XXXX	1,2,5,28,29,4	IESG
Premium	RFC XXXX	1,3,12,11,9,13,14,15,16,17	IESG
RGP (Drop)	RFC XXXX	1,3,21,19,20	IESG
RHP	RFC XXXX	1,3,10,18,19,13,14	IESG
Unavailable Domain	RFC XXXX	1,3,12	IESG
Domain Inventory	RFC XXXX	1,3,18,10,30,19,20,23,12	IESG
Contact Inventory	RFC XXXX	22,1,3,24,31,18,24,10	IESG
Host Inventory	RFC XXXX	1,26,27	IESG

# Report Specifications - Baseline Requirements

- All reports are CSV files
- First line is standardized column headings
- Unrecognized column headings SHOULD (or MAY?) be ignored

# DISCUSSION

- File name specification - What needs to be included? In what order?
  - DATE-TLD-NAME-VERSION.csv
    - DATE - YYYYMMDD
    - TLD - A-LABEL
    - NAME - from the report registry
    - VERSION - VV
- Do we need to solve the problem of files so large they should be split?
  - DATE-TLD-NAME- [ PART## - ] VERSION.csv
  - PART## - PART01, PART02, PART03, ...
- Publish: Flat, single directory with all reports?