

Registry-Registrar Reporting

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Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Example Reports

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

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

- Draft-ye-e-regexp-simple-registration-reporting-01.txt
 - <https://datatracker.ietf.org/doc/draft-ye-e-regexp-simple-registration-reporting/>
- 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
 - 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

Column Heading Registry (1 of 4)

Name of Field	Reference	Registrant
TLD	RFC XXXX Section 2.1.1	IESG
Server_TRID	RFC XXXX Section 2.1.2	IESG
Domain	RFC XXXX Section 2.1.3	IESG
Transaction_Type	RFC XXXX Section 2.1.4	IESG
Object_Type	RFC XXXX Section 2.1.5	IESG
DateTime	RFC XXXX Section 2.1.6	IESG
Term	RFC XXXX Section 2.1.7	IESG
Fee	RFC XXXX Section 2.1.8	IESG

Heading Registry (2 of 4)

Name of Field	Reference	Registrant
Currency	RFC XXXX Section 2.1.9	IESG
Status	RFC XXXX Section 2.1.10	IESG
Registrar	RFC XXXX Section 2.1.11	IESG
Period	RFC XXXX Section 2.1.12	IESG
Description	RFC XXXX Section 2.1.13	IESG
Domain_Create	RFC XXXX Section 2.2.1	IESG
Domain_Renew	RFC XXXX Section 2.2.2	IESG
Domain_Transfer	RFC XXXX Section 2.2.3	IESG

Column Heading Registry (3 of 4)

Name of Field	Reference	Registrant
Domain_Restore	RFC XXXX Section 2.2.4	IESG
Start_Date	RFC XXXX Section 2.3.1	IESG
Delete_Date	RFC XXXX Section 2.3.2	IESG
RGP_Date	RFC XXXX Section 2.3.3	IESG
Purge_Date	RFC XXXX Section 2.3.4	IESG
Updated_Date	RFC XXXX Section 2.3.5	IESG
Create_Date	RFC XXXX Section 2.3.6	IESG
Expiry_Date	RFC XXXX Section 2.3.7	IESG

Column Heading Registry (4 of 4)

Name of Field	Reference	Registrant
Registrar_ID	RFC XXXX Section 2.4.1	IESG
Server_Registrant_ID	RFC XXXX Section 2.4.2	IESG
DNSSEC	RFC XXXX Section 2.4.3	IESG
Server_Contact_ID	RFC XXXX Section 2.4.4	IESG
Contact_Type	RFC XXXX Section 2.4.5	IESG
Contact_Name	RFC XXXX Section 2.4.6	IESG
INUSE	RFC XXXX Section 2.4.7	IESG
Nameserver_Host	RFC XXXX Section 2.4.8	IESG
Namsserver_IP	RFC XXXX Section 2.4.9	IESG
Clinet_Contact_ID	RFC XXXX Section 2.4.10	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

Report Registry

Report Name	Reference	Ordered Field Names	Registrant
Transaction Report	RFC XXXX Section 3.1	RFC XXXX: Section 2.1.1, 2.1.2, 2.1.3, 2.1.6, 2.4.1, 2.1.11, 2.1.4, 2.1.12, 2.1.7, 2.1.8, 2.1.9, 2.1.13	IESG
Premium Name Report	RFC XXXX Section 3.2	RFC XXXX: Section 2.1.1, 2.1.3, 2.1.10, 2.1.13, 2.1.9, 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.3.1	IESG
Domain RGP Report	RFC XXXX Section 3.3	RFC XXXX: Section 2.1.1, 2.1.3, 2.3.2, 2.3.3, 2.3.4	IESG
Reserved Domain Report	RFC XXXX Section 3.4	RFC XXXX: Section 2.1.1, 2.1.3, 2.1.10	IESG
Domain Inventory Report	RFC XXXX Section 3.5	RFC XXXX: Section 2.1.1, 2.1.3, 2.3.5, 2.4.1, 2.3.6, 2.3.7, 2.4.2, 2.4.3, 2.1.10	IESG
Contact Inventory Report	RFC XXXX Section 3.6	RFC XXXX: Section 2.4.4, 2.4.10, 2.1.1, 2.1.3, 2.4.5, 2.4.6, 2.3.5, 2.4.7, 2.4.1	IESG
Host Inventory Report	RFC XXXX Section 3.7	RFC XXXX: Section 2.1.1, 2.4.8, 2.4.9	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 (1/2)

- 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
 - Others?
- 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, ...

DISCUSSION (2/2)

- Publish: Flat, single directory with all reports?
- Separator character and field with multi value
 - Separator character: comma or other character?
 - Some fields like domain status, contact address need separator, and usually it's comma (,)
 - Address:: 450 Serra Mall, Stanford, CA 94305 United States
 - Domain Status: OK, ClientTransferProhibited, ServerTransferProhibited
 - Nesting value or use different character