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**Registry Transaction Report**  
**draft-mcpherson-sattler-ry-transaction-report-01**

**Abstract**

This document describes the content of a transaction report based on the registry report structure and delivered by the registry reporting repository.

**Status of This Memo**

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## [1.](#) Introduction

Modern top-level domain registries provide a number of detailed reports and documents that their registrars require on a daily, weekly and monthly basis. These most commonly include transaction reports, as well as lists containing currently unavailable domains and current premium domains. These reports are critical for registrars' businesses and play an important role in accounting and operations processes as well as in sales and marketing activities. In the current set-up registrars must download these reports from each registry's intranet in a different manner according to each registry's own document management set up.

This document describes the content of a transaction report based on the [[I-D.mcpherson-sattler-registry-report-structure](#)] and delivered by the [[I-D.mcpherson-sattler-registry-reporting-repo](#)].

## [2.](#) Terminology and Definitions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [[RFC2119](#)] when

specified in their uppercase forms.

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### **2.1. Internationalized Domain Names**

MUST be as defined in

[[I-D.mcpherson-sattler-registry-report-structure](#)].

### **2.2. Dates and Times**

MUST be as defined in

[[I-D.mcpherson-sattler-registry-report-structure](#)].

### **2.3. Character Encoding**

MUST be as defined in

[[I-D.mcpherson-sattler-registry-report-structure](#)].

### **2.4. Currency**

MUST be as defined in

[[I-D.mcpherson-sattler-registry-report-structure](#)].

## **3. Report Headings**

The first row MUST be the column headings in the following order:

SVTRID	Server transaction identifier MUST be assigned by and MUST be unique to the server.
TLD	It MUST contain the top-level domain name and formatted according <a href="#">section 2.1</a> of this document.
DOMAIN	It MUST contain the domain name formatted according <a href="#">section 2.1</a> of this document.
TIMESTAMP	It MUST contain the timestamp of the successful transaction formatted according <a href="#">section 2.2</a> of this document.
TRANSACTIONTYPE	It MUST contain the type of the successful transaction according <a href="#">section 4</a> of this document.
PERIOD	It MUST contain the period of the the successful transaction according <a href="#">section 5</a> of this document. It MAY be empty if no period is assign to the transaction.
FEE	It MUST contain the fee of the successful transaction according <a href="#">section 6</a> of this document.
CURRENCY	It MUST contain the currency of the succesful transaction according <a href="#">section 2.4</a> of this document.

DESCRIPTION

It MAY contain a free description of the succesful transaction.

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REGISTRARID        It MUST contain the registrar ID of the succesful transaction according [section 7](#) of this document.

#### 4. Transaction Types

Each transaction MUST be assigned to a type. Those type MUST either be 'CREATE', 'RENEWAL', 'AUTORENEW', 'TRANSFER', 'TRADE', 'UPDATE' or 'RESTORE'.

CREATE        A successful domain create within the report period.

RENEWAL       A successful explicit domain name renewal executed by the domain name registrar within the report period.

AUTORENEW     A successful domain name auto-renewal by the domain name registry within the report period.

TRANSFER      A successful domain name transfer within the report period.

TRADE         A successful domain name trade within the report period.

UPDATE        A successful billable domain name update within the report period.

RESTORE       A successful domain name restore within the report period. This event MUST only include the restore fee. Any additional renewal fee MUST be independently listed.

A successful transaction is also a completed transaction. Therefore, transactions MUST NOT be deleted. If a transaction MUST be cleared, a corresponding counter transaction MUST be made.

#### 5. Transaction Periods

Transaction Types usually occur in periods of 1 to 10 years, sometimes there are monthly periods. Therefore, each transaction MUST have a period associated.

The format MUST be in the format <integer><character>, where <integer> MUST be between 1 and 99, without any leading zero, and <character> MUST be either 'y' for years or 'm' for months.

If the number of months results in a full year, then the full year MUST be used, e.g. instead of 12m or 24m, it should be 1y respectively 2y.

The period MAY be empty if no period is assign to the transaction.

## **6. Transaction Fees**

All transactions MUST have a fee associated. The fee amount, the currency and the period MUST be listed separately.

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Fees MUST either be whole numbers or rounded to two decimal places. A period is used as the dividing point.

### **6.1. Deviating Fees**

If a domain name incurs a non-standard premium fee, a description of the price category SHOULD be given.

## **7. Registrar ID**

A unique registrar id MUST be listed, with each transaction. Those IDs MUST be according the IANA registrars ids (<https://www.iana.org/assignments/registrar-ids/registrar-ids.xhtml>) where applicable, otherwise another unique registrar id MUST be used.

## **8. Example**

### **8.1. Single TLD File Example**

This is an example of a transaction report for a single top-level domain .example.

Filename: example\_transactions\_2018-11.csv.gz

```
SVTRID,TLD,DOMAIN,TIMESTAMP,TRANSACTIONTYPE,PERIOD,FEE,CURRENCY,
DESCRIPTION,REGISTRARID
54321-XYZ,example,nic.example,2018-11-08T08:01:01Z,AUTORENEW,1y,10,
USD,,1
54322-XYZ,example,foo.example,2018-11-09T08:00:00Z,CREATE,3y,10,USD,,
1
54323-XYZ,example,bar.example,2018-11-09T08:01:01Z,CREATE,1y,1000,
USD,PREMIUM A,1
54324-XYZ,example,foobar.example,2018-11-10T07:00:00Z,RESTORE,,40,USD
,,1
54325-XYZ,example,foobar.example,2018-11-10T07:00:01Z,RENEWAL,,10,USD
,,1
54326-XYZ,example,xn--r8jz45g.example,2018-11-11T06:30:00Z,TRANSFER,
1y,12.75,USD,,1
```

### **8.2. Multiple TLDs File Example**

This is an example of a transaction report for multi top-level domains by the example registry.

Filename: example\_transactions\_2018-11.csv.gz

```
SVTRID,TLD,DOMAIN,TIMESTAMP,TRANSACTIONTYPE,PERIOD,FEE,CURRENCY,
DESCRIPTION,REGISTRARID
54321-XYZ,example,nic.example,2018-11-08T08:01:01Z,AUTORENEW,1y,10,
USD,,1
```



54322-XYZ,example1,foo.example1,2018-11-09T08:00:00Z,CREATE,6m,9.90,  
EUR,,1  
54323-XYZ,example2,bar.example2,2018-11-09T08:01:01Z,CREATE,1y,4000,  
BRL,PREMIUM C,1

54324-XYZ, xn--0zwm56d, xn--fsqu00a.xn--0zwm56d, 2018-11-10T07:00:00Z,  
RESTORE,, 275, CNY,, 1  
54325-XYZ, xn--0zwm56d, xn--fsqu00a.xn--0zwm56d, 2018-11-10T07:00:01Z,  
RENEWAL,, 70, CNY,, 1  
54326-XYZ, xn--zckzah, xn--r8jz45g.xn--zckzah, 2018-11-11T06:30:00Z,  
TRANSFER, 1y, 1200, JPY,, 1

## **9. IANA Considerations**

This document has no IANA actions.

## **10. Security Considerations**

The registry transaction report described in this document does not provide any security services.

## **11. Implementation Status**

Note to RFC Editor: Please remove this section and the reference to [RFC7942] before publication.

This section records the status of known implementations of the protocol defined by this specification at the time of posting of this Internet-Draft, and is based on a proposal described in [RFC7942]. The description of implementations in this section is intended to assist the IETF in its decision processes in progressing drafts to RFCs. Please note that the listing of any individual implementation here does not imply endorsement by the IETF. Furthermore, no effort has been spent to verify the information presented here that was supplied by IETF contributors. This is not intended as, and must not be construed to be, a catalog of available implementations or their features. Readers are advised to note that other implementations may exist.

According to [RFC7942], "this will allow reviewers and working groups to assign due consideration to documents that have the benefit of running code, which may serve as evidence of valuable experimentation and feedback that have made the implemented protocols more mature. It is up to the individual working groups to use this information as they see fit".

Add implementation details once available.

## **12. References**

### **12.1. Normative References**

[I-D.mcpherson-sattler-registry-report-structure]  
McPherson, N. and Sattler, T., "Registry Report Strucutre",  
<<https://datatracker.ietf.org/doc/draft-mcpherson->

[sattler-registry-report-structure/](#)> (work in progress), November 2018

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[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.

## **12.2. Informative References**

[I-D.mcpherson-sattler-registry-reporting-repo]  
McPherson, N. and Sattler, T., "Registry Reporting Repository", <<https://datatracker.ietf.org/doc/draft-mcpherson-sattler-registry-reporting-repo/>> (work in progress), November 2018

[RFC7942] Sheffer, Y. and Farrel, A., "Improving Awareness of Running Code: The Implementation Status Section", [RFC 7942](#), July 2016, <<https://www.rfc-editor.org/info/rfc7942>>.

## **Appendix A. Change History**

### **A.1. Change from 00 to 01**

Added acknowledgements. Changed Y to lowercase. Fixed csv examples. Changed security considerations. Added SRTRID to identify transactions. Clarified successful transaction.

## **Appendix B. Acknowledgements**

The authors wish to thank the following persons for their feedback and suggestions (sorted alphabetically by company):

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- o Elaine Pruis, Domain Research
- o Gaurav VEDI, Dominion Registries

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