

ICANN
Internet Assigned Numbers Authority
Monthly Report
June 15, 2011

*For the Reporting Period of
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Executive Summary

This monthly report provides statistical information of IANA operations as they relate to the IETF. Also included are the deliverables for this reporting period in accordance with the SLA between ICANN and the IAOC with the effective date 1 January 2011.

Statistics

As outlined in the IETF–IANA SLA, IANA is tasked with collecting and reporting on IETF-related statistics.

Below you will find the list of statistics as requested by the SLA, a description of what queue’s statistics are being provided to fulfill that deliverable and an analysis of the data for each queue. The actual charts representing the data can be found at <http://www.iana.org/reporting-and-stats/index.html>.

This month’s statistics were generated through running scripts against a ticketing system log database. The charts were generated using java program using Jfreechart library.

The following types of charts have been defined for each queue for the reporting year 2010:

- Month to month comparison histogram of requests created/closed/open
- Month to month comparison histogram of age groups of closed tickets
- This month’s absolute age of closed requests
- Month to month comparison histogram of age groups of open tickets
- This month’s absolute age and current state of open requests
- Month to month comparison of mean, median and standard deviation for processing times of closed tickets
- Histogram for cumulative IETF requests for created/closed/resolved at the end of the reporting period and the year to date.

IESG approved documents (a)

Requests in the “drafts-approval” queue begin at the time IANA receives a notification of an approval or intent to publish a document and end when the RFC-Editor has acknowledged receipt of the notification of completed actions by IANA

QUEUE: DRAFTS-APPROVAL	
Total closed tickets	24
Tickets with no IANA Actions	15
IANA processing goals met (14 days or less)	24/24 (100%)
Highest total processing days	16
Highest total IANA days	10

Total open tickets	12
Highest total processing days to date	63
Highest total IANA days to date	21

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
OPEN	63	21	XML registry issues. Combining registries with care template issues still being resolved.

Reference Updates (b)

The requests in the “drafts-update-refs” queue begins at the time the RFC-Editor notifies IANA of the RFC number assigned to a document that had actions performed by IANA and ends with IANA updating all references to the document in IANA registries.

QUEUE: DRAFTS-UPDATE-REFS	
Total closed tickets	20
IANA processing goals met (7 days or less)	20/20 (100%)
Highest total processing days	5
Highest total IANA days	5
Total open tickets	2
Highest total processing days to date	7
Highest total IANA days to date	1

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

Last Calls (c)

Requests begin at the time IANA receives a notification of Last Call from the IESG and ends with IANA submitting official comments to the IESG. Each request in the statistics represents a separate/individual Last Call, even if the Last Call is being repeated.

QUEUE: DRAFTS-LASTCALL	
Total closed tickets	16
IANA processing goals met (see breakdown)	15/16 (94%)
Total open tickets	19

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	14	14
4 weeks	2	1

Evaluations (d)

Requests begin at the time IANA receives a notification of Evaluation from the IESG and ends with IANA submitting official comments to the IESG. Each request in the statistics represents a separate/individual Evaluation, even if the Evaluation is being repeated.

QUEUE: DRAFTS-EVALUATION	
Total closed tickets	26
IANA processing goals met (7 days or less)	26/26 (100%)
Total open tickets	8

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

Media (MIME) type requests (e, f)

IANA receives requests for registration of new Media types. Also received, but rarely, are modification and deletion requests for Media types. All of these are processed in the "iana-mime" queue. These requests begin with the receipt of an application for (or modification/deletion of a Media type and end with the request being resolved with a successful registration, removal or modification. In some cases the requests are closed due to withdrawal of the request by the requester or via administrative closure, typically due to lack of response from the requester. We understand that MIME Media types are

currently referred to as just “Media Types.” The queue “iana-mime,” however, was named prior to this change.

QUEUE: IANA-MIME	
Total closed tickets	9
IANA processing goals met (14 days or less)	9/9 (100%)
Highest total processing days	45
Highest total IANA days	10
Average Expert days	12
Total open tickets	3
Highest total processing days to date	69
Highest total IANA days to date	5

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
OPEN	69	5	Multiple communications between requester and expert.

New Port number requests (g)

IANA receives requests for assignment of new user port numbers. These requests are processed in the “iana-ports” queue. Port requests begin with the receipt of an application for a user port number and end with the request being resolved with a successful registration, withdrawn by the requester, or administratively closed.

QUEUE: IANA-PORTS	
Total closed tickets	19
IANA processing goals met (14 days or less)	19/19 (100%)
Highest total processing days	127
Highest total IANA days	5
Average total days	49
Average Expert days	24
Total open tickets	24
Highest total processing days to date	180
Highest total IANA days to date	20

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	127	4	Multiple communications between expert and requester; delays on the requester's part.
CLOSED	124	1	Multiple communications between expert and requester.
CLOSED	116	2	Multiple communications between expert and requester.
CLOSED	110	1	Multiple communications between expert and requester.
CLOSED	79	2	Multiple communications between expert and requester; delays on the requester's part.
OPEN	180	1	Multiple communications between expert and requester.
OPEN	127	20	Procedural questions concerning an I-D.
OPEN	118	1	Delay on the expert's part.
OPEN	81	3	Multiple communications between expert and requester; delays on the requester's part.
OPEN	81	3	Multiple communications between expert and requester; delays on the requester's part.
OPEN	62	1	Multiple communications between expert and requester.

Modification to and/or deletions of Port number requests (h)

IANA receives requests for modification of existing port numbers. Also received, but are rare, are deletion requests. Both of these are processed in the "port-modifications" queue. These requests begin with the receipt of a modification (or deletion) request and end with the request being resolved with a successful modification (or removal) or closed due to withdrawal or administrative closure.

QUEUE: PORT-MODIFICATION	
Total closed tickets	2
IANA processing goals met (7 days or less)	2/2 (100%)
Highest total processing days	29
Highest total IANA days	5
Total open tickets	2
Highest total processing days to date	54
Highest total IANA days to date	2

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

New Private Enterprise Number (PEN) requests (i)

All PEN (Private Enterprise Numbers) type requests are processed in an automated program that does not go through IANA's ticketing system. The tool includes new, modification and deletion requests. The tool does not yet produce statistics similar to what is available for the other protocol parameter queues.

QUEUE: PEN	
Total PENs assigned	180

Modification to and/or deletions of PEN requests (j)

QUEUE: PEN-MODIFICATION	
Total PENs modified	25
Total PENs deleted	0

New IANA TRIP ITAD Numbers (k)

IANA receives requests for assignment of new TRIP ITAD numbers. These requests are processed in the "iana-trip" queue. Requests begin with the receipt of an application for a TRIP ITAD number and end with the request being resolved with a successful registration, withdrawn by the requester, or administratively closed.

QUEUE: IANA-TRIP	
Total closed tickets	21
IANA processing goals met (7 days or less)	21/21 (100%)
Highest total processing days	14
Highest total IANA days	6
Total open tickets	0
Highest total processing days to date	n/a
Highest total IANA days to date	n/a

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

Requests relating to other IETF-created registries for which the request rate is more than five per month (I)

For those registries where there are more than 5 requests per month, IANA creates a separate queue for tracking those tickets.

QUEUE: MULTICAST	
Total closed tickets	4
IANA processing goals met (14 days or less)	4/4 (100%)
Highest total processing days	80
Highest total IANA days	7
Average Expert days	2
Total open tickets	1
Highest total processing days to date	6
Highest total IANA days to date	1

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	80	1	Delays on the requester's part.

Note: The IANA-PROT-PARAM queue is for all the miscellaneous requests that are not processed in a separate queue due to the lack of volume for any one type of request. These requests can be first-come first-served, expert review, IESG approval or another review method. In the SLA, processing goals are determined on the type of request. However, for this queue there is no separation of request type.

QUEUE: IANA-PROT-PARAM	
Total closed tickets	5
IANA processing goals met (see breakdown below)	5/5 (100%)
Highest total processing days	83
Highest total IANA days	5

FCFS Completed within goal time (7 IANA days or less)	n/a
Expert Review/Specification Required within goal time (14 IANA days or less)	5/5
Early Allocation completed within goal time (14 IANA days or less)	n/a
IESG Approval completed within goal time (14 IANA days or less)	n/a
Admin closed	0
Total open tickets	8
Highest total processing days to date	618
Highest total IANA days to date	361

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	80	2	Delays on the expert's part. Requester sent materials to expert by postal mail.
OPEN	618	361	This request has high total days as it is adding a large amount of registrations to a registry that is currently being converted to XML. These large amounts of registrations will be added programmatically as the registry is converted. Progress has been made in XML-izing the registry, and the experts are currently reviewing the work IANA has completed for accuracy.
OPEN	257	1	The requester has sent a revised template for the character set reviewing team.
OPEN	198	1	This request is for a new DNS RR Type, which involves a review on a mailing list. This request will be completed soon.
OPEN	187	4	The expert has reported that a WG session will be needed to determine whether the request is appropriate.
OPEN	180	1	Waiting for charset reviewers. This request will be completed soon.
OPEN	180	1	Waiting for charset reviewers. This request will be completed soon.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within five (5) months of implementation of the agreement for the reporting year 2011:

- 1) Provide publicly accessible, clear and accurate periodic statistics (continual)
- 2) Track and publicly report on a monthly basis (monthly report - continual)
- 3) Single points of failure documentation to IETF-IANA Working Group (continual)

Provide publicly accessible, clear and accurate periodic statistics

See “Statistics” section of this report and also <http://www.iana.org/reporting-and-stats/index.html>.

Track and publicly report on a monthly basis (monthly report)

The SLA describes 3 items IANA will provide monthly reports for. These items are outlined below along with a description of actions taken for each.

- a. Resource allocation statistics as described in SLA item 2 of the Reports section

In item 2 in the Reports section of the SLA, there is a detailed list of statistics to be produced for the monthly report. The agreed upon partial statistics are found in the “Statistics” section of this report.

- b. The utilization of all identified finite resources defined within IANA registries

The IANA is undertaking a project to review all registries to identify those that are finite and additionally those that are in danger of being exhausted. As of the end of this reporting period, no registries have been identified as being in danger of exhaustion. IANA will continue to report findings as needed.

- c. Efforts that have addressed single points of failure/expertise (see item 3 in Services section of the SLA)

Conclusions

In May 2011, IANA cumulatively met 96% of the goal processing times. IANA met the goal processing times for nine of the ten queues that had requests.

Tickets closed	Tickets closed on time
146	145