

ICANN
Internet Assigned Numbers Authority
Monthly Report
March 17, 2011

*For the Reporting Period of
February 1, 2011 – February 28, 2011*

Prepared By: Amanda Baber
amanda.baber@icann.org

Table of Contents

Table of Contents	1
Executive Summary	2
Statistics	2
IESG approved documents (a)	2
Reference Updates (b).....	3
Last Calls (c).....	3
Evaluations (d).....	3
Media (MIME) type requests (e, f).....	4
New Port number requests (g)	4
Modification to and/or deletions of Port number requests (h).....	5
New Private Enterprise Number (PEN) requests (i).....	5
Modification to and/or deletions of PEN requests (j).....	5
New IANA TRIP ITAD Numbers (k)	5
Requests relating to other IETF-created registries for which the request rate is more than five per month (l)	6
Deliverables	7
Provide publicly accessible, clear and accurate periodic statistics	7
Track and publicly report on a monthly basis (monthly report)	7
Single points of failure documentation to IETF-IANA Working Group (continual)	8
Conclusions.....	8

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 2010.

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 2011:

- 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

DRAFTS-APPROVAL QUEUE

IANA completed a total of 28 requests for the month of February (18 of which had no IANA actions). 100% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. The highest IANA processing time was 10 days, while the highest total processing time was 106 days. That request required input from both ADs and authors.

As of the last day of February there were 7 requests open. These requests were being processed normally.

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.

DRAFTS-UPDATE-REFS QUEUE

IANA completed a total of 10 requests for the month of February. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 4 days. As of the end of the month there was 1 open request.

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.

DRAFTS-LASTCALL QUEUE

A total of 35 requests were completed for the month of February. 97% of the requests were completed within their time goals (breakdown below).

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	18	17
4 weeks	17	17

As of the end of the month there were 19 tickets in the queue. These tickets were being processed normally.

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

DRAFTS-EVALUATION QUEUE

A total of 37 requests were completed in the month of February. 95% of the requests had IANA days of 7 or less. The IANA days do not include the time that the document is waiting for Last Call to finish.

As of the last day of the month there were 10 requests open. These tickets were being processed normally.

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.

IANA-MIME QUEUE

A total of 27 requests were closed in the month of February. 100% of these requests met the processing time requirement of 14 or fewer IANA days. On accounts of multiple exchanges between expert and requesters, one request required 102 total processing days, while another request required a total of 72.

At the end of the month, there were a total of 13 open requests. All requests were being processed normally, although multiple exchanges between expert and requester resulted in two tickets each taking a total of 74 processing days. The open requests had no more than 6 IANA processing days as of the end of the month.

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.

IANA-PORTS QUEUE

There were a total of 37 requests closed in the month of February. 100% of those requests were processed with an IANA time within the 14-day goal. The average total time for port requests this month was 34 days, and the average response time for the expert was 18 days. 11 requests had processing times that totaled more than 60 days each. These requests involved long expert review periods, most of which included multiple communications between the expert and the requester.

As of the end of the month there were 18 requests open. All of these requests had IANA days of 3 or fewer. 4 requests have a high number of total days as of the last day of the month due to multiple communications between expert and requester.

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

PORT-MODIFICATION QUEUE

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.

During this reporting period, there were 4 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less.

At the end of February, there were 3 requests open. These requests were waiting on the requesters for additional information.

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. Raw data shows that 157 new PENs were assigned in February 2011.

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

Modifications and/or deletions of PENs occur in a separate tool in which the statistics production is not yet available. More information can be found above in the “New Private Enterprise Number (PEN) requests” section. Raw data shows that 11 existing PENs were modified in February 2011.

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.

IANA-TRIP QUEUE

There were a total of 8 IANA-TRIP requests closed in the month of February. 100% of the closed requests had an IANA time of 7 days or less.

As of the last day of February, there were 3 requests open. All of these requests were being processed normally.

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.

IANA-MULTICAST QUEUE

The single multicast request closed during the month of February was closed within the goal processing time of 14 or fewer IANA days. As of the last day of the month, there was 1 request open.

IANA-PROT-PARAM QUEUE

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.

There were 17 requests closed during the month of February. 100% of these requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 218. This was a DNS RR Type request that required a lengthy mailing list review.

CLOSED REQUESTS

Request Type	Number of Requests	IANA goal time	Requests completed within goal	Admin Closed
Expert Review	9	14 days or less	9	0
IESG Approval	1	14 days or less	1	0
First Come First Served	7	7 days or less	7	0

There were 11 requests open as of the end of the month. 4 requests were being processed normally. The 7 remaining requests that were open for more than 60 days are described in the table below.

OPEN REQUESTS

Total Days Open	Current Status
596	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.
165	The requester has sent a revised template for the character set reviewing team.
106	This request is for a new DNS RR Type. This involves a review on a mailing list. The mailing list review is still underway.
95	The expert has reported that a WG session will be needed to determine whether the request is appropriate.
88	Waiting for charset expert review.
88	Waiting for charset expert review.
85	This request is for a new DNS RR Type. This involves a review on a mailing list. The mailing list review is still underway.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within two (2) 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 (as needed)

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 19

In item 19 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 ICANN/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 in future monthly reports.

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

Single points of failure documentation to IETF-IANA Working Group (continual)

In conjunction with the monthly report, the IANA submits a separate document to the IETF-IANA Group documenting what steps have taken place to examine all known single points of failure related to the IETF work. For those known single points of failure, IANA will describe what actions were taken to correct where the point existed or what plan has been put in place for future resolution. During this reporting period, no single point of failure was identified.

Conclusions

In February 2011, IANA cumulatively met 99% of the goal processing times. The average for meeting IANA processing time goals over all queues was 100%. The terms for the IANA-IETF SLA for are under review and will be discussed in March at the IETF meeting in Prague.