ICANN
Internet Assigned Numbers Authority
Monthly Report
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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 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 40 requests for the month of January (23 of which had no IANA actions). 98% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. The highest total IANA processing time was 77 days. That request, which created a registry that necessitated consultation with outside XML experts, required a total processing time of 124 days. A related request that had to be placed on hold while that request was being completed took 104 days.

As of the last day of January there were 7 requests open. One request was waiting on authors and ADs for a total of 91 days, but that ticket should be resolved soon. The other 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 15 requests for the month of January. 100% of the requests were completed within IANA's 7-day goal range. The highest total processing time for these requests was 5 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 28 requests were completed for the month of January. 96% of the requests were completed within their time goals (breakdown below).

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	15	15
3 weeks	4	3
4 weeks	9	9

The late request was completed on the due date.

As of the end of the month there were 18 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 32 requests were completed in the month of January. 100% 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 10 requests were closed in the month of January. 100% of these requests met the processing time requirement of 14 or fewer IANA days. Because of multiple exchanges between expert and requester, one request required 83 total processing days, while another request required 66.

At the end of the month, there were 28 open requests. All requests were being processed normally, although expert-requester exchanges had driven processing times for two tickets to 101 days and 71 days. None of the open requests required more than 6 IANA processing days.

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 16 requests closed in the month of January. 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 60 days, and the average response time for the expert was 36 days. The highest total time for closed port requests this month was 192 days. These three 192-day requests involved a long expert review period that included multiple communications between the expert and the requester.

As of the end of the month there were 31 requests open. All of these requests had IANA days of 3 or fewer. 9 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 was 1 closed request. This request was completed within the goal processing time of 7 IANA days or less. The highest total processing time was 49 days with 1 IANA day.

At the end of January, there were 4 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 175 new PENs were assigned in January 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 13 existing PENs were modified in January 2011. One PEN was removed by request.

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 17 IANA-TRIP requests closed in the month of January. 94% of the closed requests had an IANA time of 7 days or less. One request required 10 total and IANA days because it arrived during the last week of 2010, while the office was closed.

As of the last day of January, there were 4 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 (l)

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

IANA-MULTICAST QUEUE

2 multicast requests were closed during the month of January. Both of these requests were closed within the goal processing time of 14 or fewer IANA days. As of the last day of the month, there were no requests 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 23 requests closed during the month of January. 96% 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 106. This request required multiple exchanges between the expert and the requester. The request that required the highest number of IANA processing days, 32, was an unusual request for modification that required IESG and expert guidance.

CLOSED REQUESTS

Request Type	Number of Requests	IANA goal time	Requests completed within goal	Admin Closed
Expert Review	16	14 days or less	16	0
Early Allocation	1	14 days or less	1	0
IESG Approval	1	14 days or less	0	0
First Come First Served	5	7 days or less	5	0

There were 11 requests open as of the end of the month. 6 requests were being processed normally. The 5 remaining requests that were open for more than 60 days are described in the table below.

OPEN REQUESTS

Total Days Open	Current Status
498	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.
196	This request is for a new DNS RR Type. This involves a review on a mailing list. The mailing list review is still underway and the experts have informed IANA that they expect resolution soon.
137	The requester has sent a revised template for the character set reviewing team.
79	This request is for a new DNS RR Type. This involves a review on a mailing list. The mailing list review is still underway.
67	The expert has reported that a WG session will be needed to determine whether the request is appropriate.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within one (1) month 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 January 2011, IANA cumulatively met 98% 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 2011 are currently being reviewed and will be discussed in March at the IETF meeting in Prague.