Internet Assigned Numbers Authority
Monthly Report
June 15, 2009

For the Reporting period of
May 1, 2009 – May 31, 2009

Prepared By:	Michelle Cotton michelle.cotton@icann.org
Date:	15-June-09

Table of Contents

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 2009.

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 2009:
- 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 21 requests for the month of May (5 of which were NO IC). 100% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. The most total IANA processing time was only 3 days. The highest total processing time for approval requests for May was 13 days.

As of the last day of May, there were 7 requests open. One request had a significant number of other days as it was on hold. One request has to date a high number of IANA days as we are currently working with the authors, working group chairs and area directors to determine how to resolve a conflict of assignments. This involves doing a survey in the community and may take some time to summarize the results from the authors. This document was approved many years ago. The 5 remaining requests were being processed as normal.

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 16 requests for the month of May. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 16 days due to waiting on the authors. IANA had to go back to the authors to clarify the reference updates according to what was published in the document for 2 documents. As of the end of the month there were no open requests.

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 May. 89% of the requests were completed within their time goals (breakdown below). One request was 1 day over the processing goal, however IANA's response was submitted to the IESG by the last call due date. Two documents had larger processing times due to needing a bit more time to review as the documents appear to replace an IANA registry with an extensive amount of assignments.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	23	20
4 weeks	5	5

As of the end of the month there were 24 open requests. All open Last Call requests were within the goal times and were following normal processing.

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 25 requests were completed in the month of May. 80% 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. One request was over the processing goal by 1 day. The remaining 4 requests had longer IANA days due to longer review time needed. As of the last day of the month there were 2 requests open and being processed as normal. Both requests were being processed as normal within the goal times.

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 4 requests were closed in the month of May. 100% of the requests had IANA days of 14 or less. Two requests had total processing days of 196 and 198. These were waiting on the requester to respond regarding how to move forward with their requests. They were ultimately administratively closed, as the requesters would need to follow a different approach then expert review at this time. The average response time for the expert review was 14 days for closed requests in the month of May.

At the end of the month, there were a total of 75 open requests. Of the 75 open requests, 64 are from the same applicant. These requests are waiting for the requester to reply to the expert's comments. These requests only have 3 IANA days and all other time was is between the expert and requester (13 tickets were mistakenly omitted in the status change and therefore show 28 IANA days). Of the other 11 requests open, 4 had a very high number of total processing days (over 100). IANA is watching these to either make sure communications between parties continues or that the request is administratively closed if there is no response.

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 20 requests closed in the month of May. 100% of those requests were processed with an IANA time within the 14-day goal. There were 3 requests with a total processing times of 98 days or more. The processing time was mostly split between the expert and requester for these requests. There was an extensive amount of back and forth between the expert and requester to make the request complete before approval. For the 16 requests that were sent to the expert for review, the average response time for the expert was 41 days.

As of the end of the month there were 26 requests that were open. All of these requests had IANA days of 4 or less and all requests were waiting on the expert or requester. There are already 3 requests with total times approaching 100 due to waiting on the experts or 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 a total of 10 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. The total days for all these requests was not more than 45 days due to waiting on the requester to send a letter to proceed with the modification. At the end of May, there were 0 requests open at the end of the month.

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 230 new PENs were assigned in May 2009.

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 36 existing PENs were modified in May 2009.

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 13 IANA-TRIP requests closed in the month of May. 100% of the closed requests had an IANA time of 7 days or less. The highest number of total processing time for requests this month was 9 days. As of the last day of May, there were no requests that remained open.

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

There were 5 multicast requests closed during the month of May. 100% of the closed requests had an IANA time of 14 days or less. The highest number of total processing time was 47 days due to a long expert review time. For the 5 requests that were sent to the expert for review, the average response time for the expert was 21 days.

As of the end of the month there was 1 open request. All requests were waiting on the expert. All requests had no more than 5 IANA processing days. To date, 1 request had a large total time of 127 days. This time was mostly split between the expert and requester.

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 11 requests closed during the month of May. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of IANA processing time was 6 days. There was 1 request that had a total processing time of 149 days. This was due to an email not getting through to the expert due to spam filters so the time was logged as waiting on expert. One request was administratively closed (not included in the breakdown below) due needing to follow different registration procedures.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
FCFS	6	7 days or less	6
Expert Review	4	14 days or less	4

There were 4 requests open as of the end of the month. All but 1 request was waiting on the expert or requester to respond. To date, only 1 request had a large number of IANA processing days of 104 due to IANA delays carried over from the previous months as well as consulting internally how this registration can be accomplished. It was recently determined that the IESG could review this special request.

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 2009:

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. These items are outlined below along with a description of actions taken for each.

a. Resource allocation statistics as described in SLA item 18

In item 18 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 May 2009, IANA cumulatively met the 90% processing times goal. Two queues had 80% and 89% goal processing times due to longer reviews of document needed. Reviewing expert processing times continues to be monitored.