Internet Assigned Numbers Authority
Monthly Report
December 15, 2009

For the Reporting period of
November 1, 2009 – November 30, 2009

Prepared By:	Michelle Cotton michelle.cotton@icann.org
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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 17 requests for the month of November (7 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 5 days. The highest total processing time for all of the closed requests was 16 days.

As of the last day of November, there were 7 requests open. Two requests had significant number of "other" days as they are either on hold, waiting for another document to catch up or it is waiting on the Area Director for instructions on completing the actions. One request had a high number of IANA days to date as IANA had to consult with XML experts regarding the set-up of the registry as well as the correct XML to be reflected in the document. The 4 other 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 4 requests for the month of November. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 2 days. As of the end of the month there were 2 open requests. Both requests were being processed as normal.

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 22 requests were completed for the month of November. 82% of the requests were completed within their time goals (breakdown below). Three requests were 1 day over the processing goal however were submitted to the IESG by the last call due date. One request was 2 days resulting in a response sent 2 days late.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	8	6
3 weeks	3	3
3+ weeks *	4	4
4 weeks	7	5

*These last calls fell between the hard 3 week and 4 week deadlines so a new line item was added here.

As of the end of the month there were 11 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 23 requests were completed in the month of November. 96% 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 had IANA processing time of 9 days, however comments were submitted before the document was discussed on the IESG telechat. As of the last day of the month there were 5 requests open and being processed as normal.

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 64 requests were closed in the month of November. 100% of the requests had IANA days of 14 or less. For this group of 64 requests the expert review time was 79 days and the requester time was 110 days. There were multiple communications between all parties for the duration of the request due to changes to the request templates and requiring a committee review on the requester's side.

At the end of the month, there were a total of 5 open requests. All requests were being processed as normal and were waiting on either the expert or the requester for a response. The open requests had no more than 1 IANA processing day 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 19 requests closed in the month of November. 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 22 days. For the 17 requests that were sent to the expert for review, the average response time for the expert was 16 days.

As of the end of the month there were 18 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.

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. At the end of November, there were 6 requests open. All open requests were waiting on the requester and had no more than 2 IANA days 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 204 new PENs were assigned in November 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 25 existing PENs were modified in November 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 8 IANA-TRIP requests closed in the month of November. 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 5 days. As of the last day of November, there was 1 request open. This request was waiting for a response from the requester.

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

There were 2 multicast requests closed during the month of November. 100% of those requests were processed with an IANA time within the 14-day goal. For both requests sent to the expert for review, the response time for the expert was 1 and 66 days. As of the end of the month there was 1 open request. This request was being processed as normal and was waiting on the expert.

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 8 requests closed during the month of November. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 93. This request needed IESG to approve the request via a management item. The requester was unresponsive a month contributing to the large amount of total days.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	3	7 days or less	3
Expert Review	4	14 days or less	4
IESG Approval	1	14 days or less	1

There were 11 requests open as of the end of the month. All open requests have 12 IANA days or less. Some requests have high total days due to waiting on an expert to respond. All but 2 requests were with the expert, requester or third party for review.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within eleven (11) 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 November 2009, IANA cumulatively met 90% of the goal processing times. Cumulative statistics show that IANA has the least amount of open requests at the end of the month since March 2009. This is largely due to closing the large amount of media type requests during this reporting period. Progress also continues on the RFC-Inventory project as the last 3% of the action tickets are in progress for completion and the work on the summary report will begin.