Internet Assigned Numbers Authority
Monthly Report
February 17, 2009

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

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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 2009 (currently awaiting approval and signature).

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 31 requests for the month of January (7 of which were NO IC). 87% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. Four documents had between 16 and 31 IANA processing days. Most all of the increased IANA time was due to large amounts of registry creations and questions regarding the format of those new registries. There was some delay in working on the actions upon receipt due to the influx of document actions the previous month.

As of the last day of January, there were 9 requests open. One request remains on hold and is waiting for another document before the actions can be performed. Two of the 8 remaining documents being processed (not on hold) have total IANA days of more than

14 as of the end of the month. These 2 documents had formatting issues that needed to be discussed with the authors to make sure the format would convert to XML easily. The other 6 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 5 requests for the month of January. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 29 days as the IANA was waiting on the RFC-Editor for instructions before updating the references due to some last minute changes in Authors 48 hours. 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 19 requests were completed for the month of January. 84% of the requests were completed within their time goals (breakdown below). Of the 3 requests that did not meet the processing goal times as outlined in the SLA, 2 requests were completed for the Last Call due date. For the remaining request, the comments were submitted 7 days late due to a holiday closure. Although the comments were late they were in time for discussion of the document on the telechat.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	15	12
3 weeks	1	1
4 weeks	3	3

As of the end of the month there were11 open requests. All of the open requests were still 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 31 requests were completed in the month of January. 77% 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. There were 4 requests that had totals of 8-11 IANA days. The remaining 3 requests had IANA days of 20-24 days. These delays were partly due to some staffing issues and an influx in some of the IETF related queues the previous month and the holiday closure. As of the last day of the month there were no open requests.

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. 80% of the requests had IANA days of 14 or less. Two requests had IANA processing times of 25 days due to internal staff delays. There was only 1 request that had a large number of expert review time, which was 28 days. All others had quick expert turn around.

At the end of the month, there were a total of 30 open requests. All requests were still under the IANA processing goals of 14 days and under. Seventeen of those requests were waiting on the expert to review the request. Thirteen requests were waiting on the requester for a response. There were 15 requests that had high numbers of expert days. A more careful analysis is being completed to determine if the requests included multiple back and forth communications adding to the total expert time or if it was unresponsiveness.

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 the14-day goal. There was 1 request with a

total processing time of 101 days. Most of the time was with the expert. Eight of the 16 requests appear to have a significant time with the expert. A more careful analysis is being completed to determine if the requests included multiple back and forth communications adding to the total expert time or if it was unresponsiveness.

As of the end of the month there were 27 requests that were open. All of these requests had IANA days of 8 or less and all but 2 were waiting on the expert or requester. Many of the open requests were waiting on either the expert or requester. The experts appear to have significant number of processing days. A general analysis will be completed for all expert review queues on response times.

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 4 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 36 days.

At the end of January, there were 2 requests open at the end of the month. Both requests had IANA days of 2 or less and were waiting for a response from the requester.

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 196 new PENs were assigned in January 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 19 existing PENs were modified in January 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 14 IANA-TRIP requests closed in the month of January. 86% of the closed requests had an IANA time of 7 days or less. Two requests had processing times of 13 and 16 days mainly due to receiving these requests at the beginning of the holiday closure. As of the last day of January, there was 1 request that remained open and was being processed as normal.

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 request closed during the month of January. Both requests were processed within the IANA time of 14 days or less. As of the end of the month there were 2 open requests. Both were waiting on the requester and had no more than 5 IANA days as of the end of the month. A general analysis will be completed for all expert review queues on response times.

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 13 requests closed during the month of January. 80% of the requests were processed within the appropriate IANA time goals (see breakdown below). There were 6 requests with a high number of processing days. Long total processing times were attributed to long review times with experts and/or mailing lists as well as IANA trying to determine what the appropriate actions for the request are. Three requests were administratively closed (not included in the breakdown below) after determining that an assignment was not possible at this time and an RFC or equivalent has to be published.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	1	7 days or less	1

Expert Review (with and without mailing list)	8	14 days or less	7
IESG Approval	1	14 days or less	0

There were 8 requests open as of the end of the month. Five of these requests were waiting on the expert or requester to respond. Two requests had IANA processing days of over 60 due to IANA delays carried over from the previous months.

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 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 January 2009, IANA was able to put additional time towards getting through the backlog from previous months and bring queues up to their normal processing times. The percentages for meeting processing times increased from December 2008 to January 2009 showing the improvement. The SLA for the reporting year 2009 is still under consideration. We expect the agreement to be finalized and signed within the next few months. IANA will adjust the next monthly as necessary to accommodate changes to the SLA.