Internet Assigned Numbers Authority
Monthly Report
June 16, 2008

For the Reporting period of
May 1, 2008 – May 31, 2008

Prepared By:	Michelle Cotton michelle.cotton@icann.org
Date:	16-June-08

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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 2008.

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. Full automation has not yet been reached however and IANA continues to work through the remaining challenges to fully automate the statistic reports and charts.

The following types of charts have been defined for each queue for the reporting year 2008:
- 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 May (17 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. For the 14 documents that had IANA actions, the IANA processing time for all those requests was not more than 5 days.

As of the last day of May, there were 7 requests open. Three requests remain on hold and are waiting for other documents before the actions can be performed. The remaining 4 requests were being processed as normal and were either waiting on the author or area director.

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 8 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 2 days. As of the end of the month, there were no requests open.

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 29 requests were completed for the month of May. 83% of the requests were completed within their time goals (breakdown below).   For the 5 requests that were not completed within the processing goals, 3 requests were completed within 15 days and 2 of those were submitted within the due date for the Last Call. Two requests needed an additional week of review time.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	23	18
4 weeks	6	6

As of the end of the month there were 3 open requests. All 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 43 requests were completed in the month of May. 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. The highest number of total processing days for evaluations was 7 days.

As of the last day of the month there was 1 open request. This request was received at the end of the month and was following normal processing.

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. All of the closed requests have been completed with an IANA time as outlined in the processing goals of 14 days or less. For all 4 requests the total processing time ranged from 24 to 44 days. The majority of all of the days were with the requester or expert.

At the end of the month, there were a total of 6 open requests. Three requests were waiting on the expert to complete the review. The remaining request was with IANA and was about to be registered. The maximum number of days any of these requests had been in IANA time as of the end of the month was 5 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 8 requests closed in the month of May. 75% of those requests were processed with an IANA time within the 14-day goal. Two requests had 18 total IANA days. This was due to additional communications with the expert and area directors to determine if a user port could be used rather than the system ports that were being

requested. Many of the requests closed this month have higher days with the expert. This is due to the recent change in procedures for port reviews, moving from an IANA internal expert to a group of IESG designated experts. During the month of May there was training that occurred for the new experts as well as official designation by the IESG.

As of the end of the month there were 28 requests that were open. All of these had IANA days of 4 or less and all requests were waiting on the expert. These requests were assigned to the newly designated experts and therefore have been open longer due to the learning time associated with becoming a new expert. IANA expects the number of days for expert reviews to decrease in the coming months as the process becomes more familiar to the new experts.

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 16 closed requests. 94% of these requests were completed within the goal processing time of 7 IANA days or less. One request had an IANA processing time of 15 days as the request needed additional internal review to determine the processing steps as the request required additional confirmation from the requester. The most days for total processing time for these requests was 117 days due to lengthy time with both the requester and expert.

At the end of April, the statistics showed an additional 18 requests open at the end of the month that were categorized as spam tickets not caught by the existing filter. The filter has since been modified and these 18 tickets were deleted from the port-modifications queue. In order to account for these tickets and make sure the month-to-month total numbers match-up, these tickets were included as resolved in the IETF cumulative charts as well as the "closed" port-modification charts. They were not included as input to the time averages chart. All 18 spam tickets were closed within 1-2 days and would have artificially reduced the averages.

There were 2 open requests at the end of the month. One is awaiting a response from the requester and the other is with the expert for additional review.

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 237 new PENs were assigned in May 2008.

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 20 existing PENs were modified in May 2008.

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 May. 100% of the closed requests had an IANA time of 7 days or less. One request had a total processing time of 35 days due to unresponsiveness of the requester.

There were 2 requests open at the end of the month. One request was waiting on a response from the requester. If no response is received the request will be administratively closed. The other request was newly submitted.

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 was 1 request closed during the month of May and it was processed within the goal times. The request was open a total of 5 days. As of the end of the month, there were no open requests.

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 May. 88% of the requests were processed within the appropriate IANA time goals (see breakdown below). One request had a total IANA 59 days and a total processing days of 197. This was due to the request needing IESG approval and additional review and processing by staff.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
Expert Review	3	14 days or less	3
Specification Required (with Expert)	1	14 days or less	1
First Come First Served	3	7 days or less	3
IESG Approval	1	14 days or less	0

There were 5 requests open as of the end of the month. All 5 requests were waiting on the requester, expert, or other party. Three of these requests need extra consultation for processing and additional communications with the requester to clarify the request. IANA is working towards trying to resolve these with the appropriate parties.

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 2008:

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 looking at all the IETF related queues, IANA has met all processing goals for this reporting period. There are no additional deliverables to those included in all monthly reports.