

Internet Assigned Numbers Authority
Monthly Report
May 15, 2008

*For the Reporting period of
April 1, 2008 – April 30, 2008*

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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 17 requests for the month of April (9 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 8 documents that had IANA actions, the IANA processing time for all those requests was not more than 9 days.

As of the last day of April, there were 4 requests open. Two requests remain on hold and have been open for 184 and 30 days. The remaining 2 requests were being processed as normal and had only been in the queue for 2 days or less.

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 11 requests for the month of April. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 3 days. As of the end of the month, there was 1 request open that was just received.

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 26 requests were completed for the month of April. 100% of the requests were completed within their time goals (breakdown below).

Last Call Time Frame	Total Requests	Completed on time
2 weeks	7	7
4 weeks	19	19

As of the end of the month there were 16 open requests. All open requests were still within the goal times.

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 22 requests were completed in the month of April. 91% 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. Of the 2 requests that were not completed within the time goals, 1 was processed with 8 IANA days and the other was with IANA for 26 days due to being in the wrong state. The highest number of total processing days for evaluations was 27 days.

As of the last day of the month there were 2 open requests. These were received at the end of the month and were 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 2 requests were closed in the month of April. Both of the closed requests have been completed with an IANA time as outlined in the processing goals of 14 days or less. The total time for both of these requests was 41 days and majority of the time spent was with the expert.

At the end of the month, there were a total of 3 open requests. Two requests were waiting on the expert to complete the review or the requester to respond. 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 6 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 19 requests closed in the month of April. 100% of those requests were processed with an IANA time within the 14-day goal. Of the total requests that were closed this month, 5 requests had a total processing time more than 33 days. The majority of the life of these requests was spent with the requester or expert. Some had multiple back and forth communications to verify the details.

As of the end of the month there were 11 requests that were open. All of these had IANA days of 13 or less and all but 1 request was waiting on the requester or the expert. Out of the 11 requests still open, 2 have been open more than 30 days (174 and 127). For both of these requests the majority of the time has been with the requester or expert and some time was needed consulting with the IESG.

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 6 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. The most days for total processing time for these requests was 28 days due to unresponsiveness from the requester.

There were 32 open requests at the end of the month. There were 18 requests that were created at the end of the month and turned out to be spam not caught through the filter. These requests will be deleted from the queue. For the 14 remaining open requests, 13 are awaiting responses from the requester and 1 is with IANA for normal processing.

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 171 new PENs were assigned in April 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 18 existing PENs were modified in April 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 28 IANA-TRIP requests closed in the month of April. 89% of the closed requests had an IANA time of 7 days or less. There were three requests with IANA days of 8. One request had a total processing time of 33 days due to unresponsiveness of the requester.

There was 1 request that was open at the end of the month. This request was waiting on a response from the requester. If no response is received the request will be administratively closed.

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 3 requests closed during the month of April. All of the requests were processed within the goal times. All had IANA days of 2 or less. 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 5 requests closed during the month of April. All requests were processed within the appropriate IANA time goals (see breakdown below). One request had a total processing days of 60. This was due to the request being with the expert for 57 days.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
Expert Review	3	14 days or less	3
First Come First Served	2	7 days or less	2

There were 5 requests open as of the end of the month. Three requests were waiting on the requester or expert. One request has received approval from the IESG and is in normal processing. The IANA time for this request is larger than normal as the request

did not get passed to the correct staff person for final processing. The remaining request is new and is currently under review.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within four (4) 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

IANA has met all processing goals for this reporting period. There are no additional deliverables to those included in all monthly reports.