

Internet Assigned Numbers Authority
Monthly Report
October 15, 2008

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

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Executive Summary

This monthly report provides statistical information on IANA operations related to the IETF. Also included are the deliverables for the reporting period beginning 1 January, 2008, in accordance with the SLA between ICANN and the IAOC.

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 each queue for which statistics are provided, 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 by running scripts against a ticketing system log database. The charts were generated with a Java program that uses Jfreechart library. Full automation has not yet been reached, but IANA continues to work through the remaining issues standing in the way of its achievement.

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
- Month-to-month comparison histogram of age groups of open tickets
- Month-to-month comparison of mean, median and standard deviation for processing times of closed tickets
- Absolute age of this month's closed requests
- Absolute age and current state of this month's open requests
- 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 23 requests (10 of which were NO IC) for the month of September. 100 percent of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or fewer. One request required 17 IANA

days, as determining where to create one of its new registries required extra consultation with the authors. A request that had an unusually high total processing time of 322 days was on hold for the majority of the period it spent in the IANA queue, as its actions could not be completed until a related document was approved.

As of the last day of September, the queue contained 4 open requests. Two requests remain on hold, as their actions depend on documents that had yet to be approved. The other 2 requests were being processed according to standard procedure, and were waiting on the authors or were in progress with IANA.

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 20 requests for the month of September. 100 percent of the requests were completed within the 7 IANA day goal range. The highest total processing time 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 18 requests were completed for the month of September. 77 percent of the requests were completed within their time goals (breakdown below). Of the four requests that were not completed within the processing goals, one was completed within the due date for the Last Call response, and the other three were one day late.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	18	14

As of the end of the month, the queue contained 13 open requests. All open requests were still within the goal times and were being processed normally.

Evaluations (d)

Requests begin at the time IANA receives a notification of Evaluation from the IESG and end 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 September. 87 percent of the requests required 7 or fewer IANA days. (The IANA period does not include the time that documents wait for Last Call to elapse.) Three requests took longer than a week to complete. As of the last day of the month, there was only 1 open request.

Media (MIME) type requests (e, f)

IANA receives requests for registration of new media types. Also received, albeit 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 “media types.” The queue “iana-mime,” however, was named prior to this change.

IANA-MIME QUEUE

A total of 9 requests were closed in the month of September. All of the closed requests were completed within an IANA time of 14 days or fewer, as outlined in the processing goals. Six requests were administratively closed. One request’s total processing time exceeded 30 days. The majority of the total time for this request was with the expert or requester.

At the end of the month, 5 requests remained open. Three of the 5 requests were waiting on the requester to respond with feedback, and the other two requests were with IANA for normal processing. None of these requests spent more than 2 days in IANA time in September.

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 23 requests closed in the month of September. 100 percent of those requests were processed with an IANA time within the 14-day goal. Only 5 of the 23

requests required more than 30 expert days, which represents a continued improvement in expert response time. In order to further improve response times and load sharing, IANA is currently looking at expanding the ports expert team.

As of the end of the month there were 24 requests open. All of these requests had IANA days of 5 or less and most 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 as well as rare requests for deletion. 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 four closed requests. 100 percent of these requests were completed within the target processing time of seven or fewer IANA days. The total days for each of these requests was not more than 7 days.

At the end of September, there was 1 request open. While this request has been open for more than 40 days, all but one of those days has been spent 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 those available for the other protocol parameter queues. Raw data shows that 198 new PENs were assigned in September 2008.

Modification to and/or deletions of PEN requests (j)

Modifications and/or deletions of PENs occur in a separate tool for which 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 September 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 12 IANA-TRIP requests closed in the month of September. 100 percent of the closed requests had an IANA time of 7 days or fewer. The largest total processing time was 34 days due to the requester's lack of response. The four requests open at the end of the month were being processed according to standard procedure.

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 ticket queue.

IANA-MULTICAST QUEUE

There were 0 multicast requests closed during the month of September and no requests open at the end of the month.

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 approved on a first-come first-served basis or via expert review, IESG approval or another review method. In the SLA, processing goals are determined on the type of request. For this queue, however, there is no separation of request type.

Five requests were closed during the month of September. 100 percent of the requests were processed within the appropriate IANA time goals (see breakdown below). One request was administratively closed due to the registry's requirement for IETF Consensus. One request had total a processing time of 36 days. Most of the time was spent with the IESG, as IANA needed guidance on how to proceed in the absence of established registration procedures.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
Expert Review	1	14 days or less	1
First Come First Serve	2	7 days or less	2
IESG Review	1	n/a	1

There were 12 requests open as of the end of the month. Three requests have been open a significantly long time. Two were waiting on Area Directors to determine how to complete the request, while the other was waiting on an extended mailing list review. Most of these requests are either within normal processing boundaries or need extra consultation for processing and additional clarification from the requester and/or Area

Directors. IANA is working towards resolving these issues with the appropriate parties as soon as possible.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within nine (9) 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 in 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

Item 18 of the SLA contains 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 in order to identify those that are finite and 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, IANA submits a separate document to the IETF-IANA Group documenting the steps IANA has taken to examine all known single points of failure related to IETF work. For those known single points of failure, IANA will

describe the actions taken to correct the issue or the plan for its 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. This month has also seen a return to larger numbers of documents in the Internet-Draft queues.