

Internet Assigned Numbers Authority
Monthly Report
September 15, 2008

*For the Reporting period of
August 1, 2008 – August 31, 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 18 requests for the month of August (4 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. One request had a total processing time of 56 days. This request was waiting for the author for a response for the majority of the request time.

As of the last day of August, there were 9 requests open. Two requests remain on hold and are waiting for other documents before the actions can be performed. The remaining 7 requests were being processed as normal and are waiting on the authors or the actions 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 17 requests for the month of August. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 4 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 7 requests were completed for the month of August. 71% of the requests were completed within their time goals (breakdown below). For the 2 requests that were not completed within the processing goals, one was completed within the due date for the Last Call response and the other was one day late as it fell on the weekend.

| Last Call Time Frame | Total Requests | Completed on time |
|-----------------------------|-----------------------|--------------------------|
| 2 weeks | 4 | 2 |
| 4 weeks | 3 | 3 |

As of the end of the month there were 8 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 4 requests were completed in the month of August. 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. All requests were completed within 1 day. 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 6 requests were closed in the month of August. All of the closed requests were completed with an IANA time as outlined in the processing goals of 14 days or less. There were 3 requests that had total processing time was over 30 days. The majority of the total time for those requests was either with the expert or requester.

At the end of the month, there were a total of 2 open requests. Both requests were waiting on the requester to respond with feedback. The maximum number of days any of these requests had been in IANA time as of the end of the month was 1 day.

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 37 requests closed in the month of August. 100% of those requests were processed with an IANA time within the 14-day goal. Only 9 of the 37 requests had expert days of over 30. This shows there is an improvement in the expert review times since previous months.

As of the end of the month there were 23 requests that were open. All of these had IANA days of 6 or less and were waiting on the expert or requester. IANA will continue to monitor the time responses of the 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 10 closed requests. 60% of these requests were completed within the goal processing time of 7 IANA days or less. Three requests, which were related, had a total of 10 IANA days due to multiple communications with the requester. One request had IANA days of 20 due to both multiple communications with the requester as well as additional internal review needed.

At the end of August, there was 1 request open at the end of the month. This request had only 1 day with IANA and was 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 214 new PENs were assigned in August 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 15 existing PENs were modified in August 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 10 IANA-TRIP requests closed in the month of August. 100% of the closed requests had an IANA time of 7 days or less. The largest total processing time was 5 days. There were 3 requests open at the end of the month and were 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 3 multicast request closed during the month of August. All had IANA time goals of 14 days or less. Two of the requests had total days of 22 in which most of the time was with the expert. There were 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 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 10 requests closed during the month of August. 90% of the requests were processed within the appropriate IANA time goals (see breakdown below). One request had total a processing time of 39 days. Most of the time was spent with the requester. One request had to go to the IESG for review as IANA needed guidance on how to proceed.

| Request Type | Number of Requests | IANA goal time | Requests completed within goal |
|---------------|--------------------|-----------------|--------------------------------|
| Expert Review | 9 | 14 days or less | 9 |
| IESG Review | 1 | n/a | 0 |

There were 9 requests open as of the end of the month. One request has been open a significantly long time. IANA continues to work with the Area Directors to determine how to complete the request. Most all of these requests are either within normal processing or need extra consultation for processing and additional communications with the requester and/or Area Directors to clarify the request. IANA is working towards trying to resolve these with the appropriate parties as soon as possible.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within eight (8) 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. This last month showed to be a very slow period for Internet-Draft related queues. This may be a result of this report following immediately after the last IETF meeting.