

Internet Assigned Numbers Authority
Monthly Report
December 23, 2008

*For the Reporting period of
November 1, 2008 – November 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.

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 13 requests for the month of November (7 of which were NO IC). 92% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. There was 1 request that had 28 IANA processing days. This request involved additional internal IANA coordination as an address registry was updated.

As of the last day of November, there were 19 requests open. Three requests remain on hold and are waiting for other documents before the actions can be performed. Seven of the 16 remaining documents being processed (not on hold) have total IANA days of more than 14 as of the end of the month. Some of the high number of IANA days is due to an error in the state change as the request needed an expert review after approval. The others were just in normal processing and needed extra time due to large amounts of registry creations.

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 November. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 1 day. 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 30 requests were completed for the month of November. 80% of the requests were completed within their time goals (breakdown below). For the 6 requests that were not completed within the processing goals, staff needed a little extra time to review the documents.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	26	20
4 weeks	4	4

As of the end of the month there were 27 open requests. Most 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 30 requests were completed in the month of November. 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 IANA days. The remaining 3 requests had IANA days of more than 8. These delays were partly due to some staffing issues. As of the last day of the month there were 14 open requests. All but 1 request was within normal processing times.

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 1 request was closed in the month of November. This request was administratively closed due to unresponsiveness from the requester.

At the end of the month, there were a total of 21 open requests. Seventeen of those requests were waiting on the expert to review the request. The other 4 requests were with the expert for review or with IANA ready for assignment. The maximum number of days any of these requests had been in IANA time as of the end of the month was 7 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 20 requests closed in the month of November. 100% of those requests were processed with an IANA time within the 14-day goal. There was 1 request with a total processing time of 113 days. This request has numerous back and forth communications with the expert, finally resulting in assignment.

As of the end of the month there were 32 requests that were open. All of these requests had IANA days of 3 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. 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 3 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 14 days.

At the end of November, there were 5 requests open at the end of the month. All requests have been open for 7 days and are all 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 176 new PENs were assigned in November 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 14 existing PENs were modified in November 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 15 IANA-TRIP requests closed in the month of November. 87% of the closed requests had an IANA time of 7 days or less. Two requests had IANA processing days of 8. The largest total processing time was 8 days.

As of the last day of November, there were 15 requests that remained open. All but 2 of the requests had been open with more than the 7 days IANA processing time. Due to some staffing issues, this queue was not processed expeditiously for a couple weeks resulting in delay.

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 0 multicast request closed during the month of November and 2 requests open at the end of the month. The 2 open requests were both waiting on the expert for review and had no more than 1 IANA day as of 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 5 requests closed during the month of November. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). Two requests were administratively closed due to non-responsiveness from the requester and determining that a specification was needed. Both of these administratively closed requests were open a significant amount of time due to numerous back-and-forth communications and Area Director reviews of the requests.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
Expert Review	3	14 days or less	3

There were 12 requests open as of the end of the month. Two requests have been open a significantly long time. Most all of these requests are with the expert under review. For those tickets where the parameter requested is not clear, IANA is working towards trying to resolve the 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 eleven (11) 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, this month was more challenging due to staffing issues and documents with large amounts of IANA actions. For all IANA queues

combined, IANA has met all processing goals for this reporting period, although some individual queues fell below the 90% goal.