

Internet Assigned Numbers Authority
Monthly Report
March 18, 2008

*For the Reporting period of
February 1, 2008 – February 29, 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 proposed SLA to be signed between ICANN and the IAOC with the effective date being 1 January 2008 (currently awaiting approval and signature).

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 16 requests for the month of February (5 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 11 documents that had IANA actions,

the total processing time for all those requests was not more than 16 days. These requests did not spend more than 3 days with IANA.

As of the last day of February, there was 1 request open. This request has been open for 123 days. This request is currently on hold, waiting for another document to be approved before IANA can complete the actions.

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 24 requests for the month of February. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 14 days. The 14-day period for this request was due to some follow-up with the Area Directors and authors regarding some changes to the IANA Considerations section while in the RFC-Editor’s queue. 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 15 requests were completed for the month of February. 87% of the requests were completed within their time goals (breakdown below). The 2 requests not completed within their 2-week goal range were 1 day late, however one of these was sent in by the given due date.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	9	7
4 weeks	6	6

As of the end of the month there were 17 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 February. 95% 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 was 1 request that had a total of 8 IANA days. The highest number of total processing days for evaluations was 15 days.

As of the last day of the month there were 3 open requests. The highest number of IANA days as of the end of the month was 2 days. Two of the 3 requests were waiting on the Last Call to finish before IANA could send official comments.

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 7 requests were closed in the month of February. 100% of the closed requests have been completed with an IANA time as outlined in the processing goals of 14 days or less. The majority of the time spent on these request was with the requester and expert.

At the end of the month, there were a total of 4 open requests. One of the requests was waiting on the expert to complete the review. The remaining 3 requests were waiting on feedback from the requester. The maximum number of days any of these requests had been in IANA time as of the end of the month was 1 day. The most number of total days for requests still open as of the last day of January was 47 days. The majority of the time spent on these requests has been with the requester.

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 30 requests closed in the month of February. 100% of those requests were processed with an IANA time within the 14-day goal. Of the total requests that were closed this month, 1 request had a total processing time of 78 days. The majority of the life of this request was spent with the requester and expert due to the numerous communications regarding the specifics of the request and the review of the non-disclosure agreement.

As of the end of the month there were 12 requests that remained open. All of these had IANA days of 2 or less and all requests were waiting on the requester or the expert. Out of the 8 requests still open, 2 have been open more than 30 days (143 and 96). For both of these requests the majority of the time has been with the requester and expert.

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 9 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. There was 1 request that had total processing times of 77 days and two requests that had total processing times of 60 days. These were due to unresponsiveness from the requester. One of these requests was administratively closed.

There was 1 open request at the end of the month. For this open request the most the IANA days was at 1 day. As of the end of the month was request had been open for 50 days and was with the expert for 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 205 new PENs were assigned in February 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 February 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 32 IANA-TRIP requests closed in the month of February. 100% of the closed requests had an IANA time of 7 days or less. There was 1 request with a total processing time of 449 days and spent most its time in external review.

For the 2 requests that remain open at the end of the month, 1 was received on the last day of the month and was following normal processing. The other request was awaiting further information from the requester.

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 were a total of 4 requests closed during the month of February. 100% of the requests were processed with an IANA time of 14 days or less. All four requests had total times of 14 days 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 a total of 9 requests closed during the month of February. 88% of these were processed within the appropriate IANA time goals (see breakdown below) and 1 request was administratively closed (not included in the table). (The one request not completed within time goals was not put in the correct state within IANA’s ticketing system. If included as within the time goals, IANA would have achieved 100%.) For all closed requests, the largest total processing time was 39 and 44 days due to extensive expert review.

Request Type	Number of Requests	IANA goal time	Requests completed
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			within goal
First Come First Serve	2	7 days or less	2
Expert Review	6	14 days or less	5

There were 5 requests open as of the end of the month. All requests were waiting on the requester, expert or other party. All requests had IANA days of 4 or less as of the last day of the month. All other time spent in the queue is with the requester, expert or other party. As of the end of January, the total time for 1 of the open requests had reached 382 days. This request was waiting on input from the Area Directors but has since been received and is moving forward with the requester.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within one (1) month 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)
- 4) Document the requirements needed for integration between the IANA ticketing system and the I-D tracker

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.

Document the requirements needed for integration between the IANA ticketing system and the I-D tracker

A separate document specifying the requirements needed for integration between the I-D tracker and IANA's ticketing system will be submitted to the IAOC for review.

Conclusions

IANA has met all processing goals for this reporting period. The final version of the revised SLA for the reporting year 2008 has been signed.