

ICANN
Internet Assigned Numbers Authority
Monthly Report
September 15, 2010

*For the Reporting period of
August 1, 2010 – August 31, 2010*

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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 2010 (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.

The following types of charts have been defined for each queue for the reporting year 2010:

- 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 30 requests for the month of August (17 of which had no IANA actions). 93% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. The most total IANA processing time was 16 days. This was mainly due to additional time and communications needed to

make sure the registry was in the correct format. The highest total time for processing these requests was 37 days.

As of the last day of August there were 4 requests open. One document had significant total time as it is on hold waiting for another document to catch up. The 4 remaining documents were being processed as normal.

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 6 days. As of the end of the month there was 1 open request and it was following normal processing.

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

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	15	15
4 weeks	5	5

As of the end of the month there were 4 open requests and all 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 27 requests were completed in the month of August. 96% 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. As of the last day of the month there were 2 requests open 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 10 requests were closed in the month of August. 100% of the requests had IANA days of 14 or less. The highest total processing days was 67 primarily due to waiting on the expert. For all 10 requests that were sent to the expert, the average review time was 46 days.

At the end of the month, there were a total of 16 open requests. All requests were being processed as normal and all but 1 request was waiting on the expert or requester for a response. The open requests had no more than 6 IANA processing days as of the end of the month.

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 13 requests closed in the month of August. 100% of those requests were processed with an IANA time within the 14-day goal. The average total time for port requests this month was 26 days and the average response time for the expert was 19

days. The highest total time for closed port requests this month was 56 days. These numbers represent a significant improvement from the previous month.

As of the end of the month there were 25 requests open. All of these requests had IANA days of 3 or less, and all but 1 request was waiting on the expert or requester. One request has a high number of total days as of the last day of the month due to a long expert review time. There are multiple back and forth communications between the expert and the requester resulting in longer processing times.

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 8 closed requests. 100% of the requests were completed within the goal processing time of 7 IANA days or less. The highest total processing time was 42 days.

At the end of August, there were 8 requests open. One request has a high number of IANA days as we had to do some additional review with a Transport Area Director to determine how to proceed. Advice is now being solicited from the IANA Ports Expert team on ways to move forward. For the remaining 7 requests, all but 1 request was waiting on the requester for additional information.

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 187 new PENs were assigned in August 2010.

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 17 existing PENs were modified in August 2010.

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 August. 100% of the closed requests had an IANA time of 7 days or less. The highest number of total processing time for requests this month was 9 days. As of the last day of August, there were no requests open.

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 4 multicast request closed during the month of August. 100% of these requests were processed within the goal times. One request had 39 total days equally due to long periods with the requester and expert. Three requests were open as of the last day of the month. One request was waiting on the expert, one request was waiting on the requester and a newly submitted request was waiting on IANA. The most IANA days for any of these requests was 1 day.

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 13 requests closed during the month of August. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 14.

CLOSED REQUESTS

Request Type	Number of Requests	IANA goal time	Requests completed within goal	Admin Closed
First Come First Serve	1	7 days or less	1	0
Expert Review	12	14 days or less	12	0

There were 7 requests open as of the end of the month. Four requests were being processed as normal. The 3 remaining requests that were open for more than 60 days are described in the table below.

OPEN REQUESTS

Total Days Open	Current Status
345	This request has high total days as it is adding a large amount of registrations to a registry that is currently being converted to XML. These large amounts of registrations will be added programmatically as the registry is converted. Progress has been made in XML'izing the registry and the experts are currently reviewing the work IANA has completed for accuracy.
120	The request was waiting on the expert for an extended period of time. This request is waiting on the requester for further information and is expected to resolved shortly.
120	The request was waiting on the expert for an extended period of time. This request is waiting on the requester for further information and is expected to resolved shortly.

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 2010:

- 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 for. These items are outlined below along with a description of actions taken for each.

- a. Resource allocation statistics as described in SLA item 19

In item 19 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 August 2010, IANA cumulatively met 90% of the goal processing times. The average for meeting IANA processing time goals over all queues was 99%. The terms for the IANA-IETF SLA for 2010 are still under discussion before final approval.