

ICANN
Internet Assigned Numbers Authority
Monthly Report
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*For the Reporting Period of
October 1, 2010 – October 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.

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 20 requests for the month of October (7 of which had no IANA actions). 100% 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 8 days. The highest total time for processing these requests was 210 days. This document was waiting for another document to catch up.

As of the last day of October there were 5 requests open. One document had significant total time due to waiting on the author to provide IANA additional information regarding references. Another document requested registrations in the form of templates, however the registry expert asked the authors to revise them before official registration. The 3 remaining documents were being processed normally.

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 32 requests for the month of October. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 3 days. As of the end of the month there were 0 open requests.

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 17 requests were completed for the month of October. 94% of the requests were completed within their time goals (breakdown below). One request was closed 2 days over the goal time but was submitted by the due date.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	15	14
4 weeks	1	1
5 weeks	1	1

As of the end of the month there was 1 ticket in the queue. This was not a request, but a question related to a resolved request. It will be merged with an existing ticket not counting as a resolved request.

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 26 requests were completed in the month of October. 88% 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. In the case of two requests that had 8 and 9 IANA processing days, comments were submitted before the document was discussed on the IESG telechat. The remaining request, which had 8 IANA processing days, was delayed for review, as no Last Call was received.

As of the last day of the month there were no requests open.

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 October. 100% of the requests had IANA days of 14 or less. The highest total processing days was 111, primarily due to waiting on the requester for information about a company name change. Another request took 86 days, of which 68 were spent with the expert. For the 5 requests that were sent to the expert, the average review time was 23 days.

At the end of the month, there were a total of 3 open requests. All requests were being processed normally and all were waiting on the expert or requester for a response. The open requests had no more than 4 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 30 requests closed in the month of October. 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 38 days and the average response time for the expert was 20 days. The highest total time for closed port requests this month was 251 days. This request involved a long expert review period that included multiple back and forth communications between the expert and the requester.

As of the end of the month there were 19 requests open. All of these requests had IANA days of 3 or less, and all requests were waiting on the expert or requester. Four requests have a high number of total days as of the last day of the month due to delays on the part of the requesters.

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 4 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 32 days with 3 IANA days.

At the end of October, there was 1 request open. This 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 158 new PENs were assigned in October 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 14 existing PENs were modified in October 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 10 IANA-TRIP requests closed in the month of October. 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 11 days. As of the last day of October, there were no requests open.

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

No multicast requests were closed during the month of October. As of the last day of the month there were 2 requests open, both of which were being processed normally.

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 18 requests closed during the month of October, but one was closed in error and then opened again. 100% of the remaining 17 requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 21.

CLOSED REQUESTS

Request Type	Number of Requests	IANA goal time	Requests completed within goal	Admin Closed
First Come First Serve	5	7 days or less	5	0
Expert Review	10	14 days or less	10	0

Early Allocation	2	14 days or less	2	0
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There were 8 requests open as of the end of the month, including the request that was accidentally closed and reopened. Five requests were being processed normally. 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
406	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.
104	This request is for a new DNS RR Type. This involves a review on a mailing list. The mailing list review is still underway and the experts have informed IANA that they expect resolution soon.
102	This request is for an EDNS0 option. This registry requires an RFC for assignment. We forwarded this to the IESG to see if Early Allocation Procedures could apply. This request will be resolved soon.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within ten (10) 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 October 2010, IANA cumulatively met 89% of the goal processing times. The average for meeting IANA processing time goals over all queues was 98%. The terms for the IANA-IETF SLA for 2010 have been approved and the agreement was signed at the IETF meeting in Beijing, China.