ICANN
Internet Assigned Numbers Authority
Monthly Report
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For the Reporting Period of
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Prepared By: Amanda Baber
amanda.baber@icann.org

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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 21 requests for the month of November (8 of which had no IANA actions). 95% 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 18 days. The highest total time for processing these requests was 151 days. This request, which included 10 days of IANA processing time, was waiting for an author to

provide additional information about references. As this ticket was accidentally resolved and then immediately re-opened in July, it does not appear in this month's charts.

As of the last day of November there were 9 requests open. One document had significant total time because it creates a new registry that requires significant planning. Two documents requested registrations that registry experts asked the authors to revise. The 6 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 11 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 4 days. As of the end of the month there was 1 open request.

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 36 requests were completed for the month of November. 94% of the requests were completed within their time goals (breakdown below). The two remaining requests were closed within three hours of their goal time. Both of these were submitted on or before their due dates.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	21	20
3 weeks	5	4
4 weeks	11	11

As of the end of the month there were 10 tickets in the queue. These tickets were being processed normally.

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 November. 93% 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. One request that required 8 IANA processing days was delayed for review, as no Last Call was received for that document. The other request that took 8 IANA processing days went untouched over the U.S. Thanksgiving holiday. In both cases, however, comments were submitted before the document was discussed on the IESG telechat.

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 8 requests were closed in the month of November. 100% of the requests had IANA days of 14 or less. The tickets with the highest total processing days required a total of 65 and 62, primarily due to the number of exchanges required between requester and expert. For the 6 requests that were sent to the expert, the average review time was 25 days.

At the end of the month, there were a total of 6 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 15 requests closed in the month of November. 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 45 days and the average response time for the expert was 34 days. The highest total time for closed port requests this month was 119 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 26 requests open. All of these requests had IANA days of 5 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 36 days with 1 IANA day.

At the end of November, there were 5 requests open. These requests were 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 180 new PENs were assigned in November 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 19 existing PENs were modified in November 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 15 IANA-TRIP requests closed in the month of November. 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 13 days. As of the last day of November, there was 1 request 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

3 multicast requests were closed during the month of November. 100% of these requests were closed within the 14-day goal times.

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

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 November. 90% of these requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 111. This was an unusual request for early allocation that ultimately did not meet registration guidelines.

CLOSED REQUESTS

Request Type	Number of Requests	IANA goal time	Requests completed within goal	Admin Closed
Expert Review	9	14 days or less	9	0
Early Allocation	1	14 days or less	0	1

There were 7 requests open as of the end of the month. 4 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
436	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.
134	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.
75	This request has been waiting for the character set reviewing team. We expect an answer soon.

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 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 November 2010, IANA cumulatively met 100% of the goal processing times. The average for meeting IANA processing time goals over all queues was 97%. The terms for the IANA-IETF SLA for 2010 have been approved and were signed in November at the IETF meeting in Beijing.