

ICANN
Internet Assigned Numbers Authority
Monthly Report
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*For the Reporting period of
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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 June (10 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. The most total IANA processing time was only 10 days. The highest total processing days for this queue was 64. This document required new

text in the document to match what was agreed upon during Last Call. It took additional time to make sure that the text was correct and the IANA actions were performed correctly before obtaining final confirmations from the authors.

As of the last day of June, there were 7 requests open. Three documents have significant total times as they are on hold waiting either for other documents to catch up for a new approval to be received. One document required some extra communications with the authors and Area Directors regarding the format of the registries. The 3 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 24 requests for the month of June. 96% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 34 days. One request had 27 IANA processing days. This request needed further review to determine if the correct reference updates were made. As of the end of the month there were no 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 33 requests were completed for the month of June. 100% of the requests were completed within their time goals (breakdown below).

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	26	26
4 weeks	7	7

As of the end of the month there were 16 open requests. All but 1 open Last Call requests were within the goal times and were following normal processing. One Last Call ticket with 26 total/IANA days was mistakenly left in the queue. It has since been transferred to the appropriate queue and is being processed.

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 33 requests were completed in the month of June. 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. Four requests had IANA processing time over 7 days, however comments were submitted before the documents were 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 2 requests were closed in the month of June. 100% of the requests had IANA days of 14 or less. The highest total processing days was 44 primarily due to waiting on the requester. For these 2 requests the average expert review time was 16 days.

At the end of the month, there were a total of 13 open requests. All requests were being processed as normal and were waiting on the expert or requester for a response. Eight of the 13 requests were from the same requester. The open requests had no more than 6 IANA processing day 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 23 requests closed in the month of June. 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 27 days. For the 21 requests that were sent to the expert for review, the average response time for the expert was 13 days. The highest total time for closed port requests this month was 139 days. This was due to a high number of expert review days.

As of the end of the month there were 14 requests that were open. All of these requests had IANA days of 2 or less, and all but 2 were waiting on the expert or requester. Four requests have high number of total days as of the last day of the month due to long expert review times. 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 was 1 closed request. This request was completed within the goal processing time of 7 IANA days or less. At the end of June, there were 6 requests open. One request has a high number of other days as Tim Polk as Security Area Director is assisting with getting a confirmation regarding the requested modification. IANA is currently waiting on instructions on how to proceed with this modification request. The other remaining request that has a high number of IANA days as IANA has to do some additional review with the Transport Area Directors. IANA staff will coordinate finding resolution with the appropriate Area Directors at the next IETF meeting to determine how or if this request should be completed. For the remaining 4 requests, all 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 164 new PENs were assigned in June 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 25 existing PENs were modified in June 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 22 IANA-TRIP requests closed in the month of June. 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 33 days. This was due to waiting on the requester for the majority of the time. As of the last day of June, 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

There were no multicast requests closed during the month of June. One request was open as of the last day of the month and was waiting for the requester to respond to questions from the expert.

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 19 requests closed during the month of June. 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 113. The high number of days was mostly due to waiting on the expert.

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

There were 9 requests open as of the end of the month. Two requests have high total days. One request is for 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 will be contacted to review the proposed changes. The second request with high total days was mostly waiting on the IESG to determine how to move forward with the request. A decision was made and this request will be closed in the next month's report. Most of the open protocol parameter requests are waiting on experts or requesters to respond. Some are waiting for the IESG to officially designate experts so that the requests can be reviewed.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within six (6) 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)
- 4) Contact Information project plan

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.

Contact Information Revision Plan

In the 2010 SLA, there is a deliverable which states “ICANN/IANA will document a process on how to implement new formats of contact information as well as updating existing registries within 6 (months) of agreement implementation”. A separate report will be delivered and presented to the IETF-IANA Working Group at the 88th IETF meeting in Maastricht.

Conclusions

In June 2010, IANA cumulatively met 90% of the goal processing times. The average for meeting IANA processing time goals over all queues was 98%. This is the best cumulative percentage since we began collecting data and producing these monthly reports. The terms for the IANA-IETF SLA for 2010 are being finalized for final approval and signature.