ICANN
Internet Assigned Numbers Authority
Monthly Report
August 20, 2010

For the Reporting period of
July 1, 2010 – July 31, 2010

Prepared By: Michelle Cotton
michelle.cotton@icann.org

Table of Contents

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 24 requests for the month of July (8 of which had no IANA actions). 96% 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 49 days. This was mainly due to additional time and communications needed to make sure

the registry was in the correct format. Three documents had high total processing days of 155, 163 and 183*. See breakdown below:

Total Processing Days	Document	Description
155	draft-roach-sip-http-subscribe	Waited for actions to be completed for draft-nottingham-http-link-header before processing actions for this document could continue.
163	draft-ietf-ipfix-export-per-sctp-stream	This document waited for an additional IESG approval message before IANA could continue processing the actions.
183	draft-ietf-sasl-gs2	*This ticket was accidently deleted after completion in January and was found during the month of July. We are including it here so that it can be part of the statistics. Because of the way the stats tool works, it calculated the total time from when the ticket was created in January and when it was found in July. The true total time for this ticket was only 4 days.

As of the last day of July there were 5 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 9 requests for the month of July. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 11 days. The majority of this time was waiting on the requester to respond to clarifications questions regarding the reference updates. 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 37 requests were completed for the month of July. 92% of the requests were completed within their time goals (breakdown below). Three requests were 1 day over the goal processing times.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	28	25
4 weeks	9	9

As of the end of the month there was 1 open request and it was 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 23 requests were completed in the month of July. 100% 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 was 1 request open and it was 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 6 requests were closed in the month of July. 100% of the requests had IANA days of 14 or less. The highest total processing days was 117 primarily due to waiting on the expert. For the 4 requests that were sent to the expert, the average review time was 48 days.

At the end of the month, there were a total of 23 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 2 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 14 requests closed in the month of July. 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 58 days and the average response time for the expert was 33 days. The highest total time for closed port requests this month was 204 days. This was due to a very high number of expert review days.

As of the end of the month there were 22 requests open. All of these requests had IANA days of 2 or less, and all but 3 were 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 7 closed requests. 100% of the requests were completed within the goal processing time of 7 IANA days or less. Four requests had

high total processing times. Three requests had total days of 69 and were administratively closed. 68 of those days were due to waiting on the requester to send documentation but none was received. The other request had 239 total days, with 230 days with the security AD assisting to find resolution on how to process the request.

At the end of July, there were 6 requests open. One request has a high number of IANA days as we have to do some additional review with a Transport Area Director to determine how to proceed. For the remaining 5 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 185 new PENs were assigned in July 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 16 existing PENs were modified in July 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 16 IANA-TRIP requests closed in the month of July. 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 7 days. As of the last day of July, 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 was 1 multicast request closed during the month of July. This request was processed within the goal times. 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 9 requests closed during the month of July. 50% of the requests were processed within the appropriate IANA time goals (see breakdown below). Three requests had 16 IANA days, just 2 over the goal time. There was a little extra time on the IANA side due to extra processing days in requesting the expert to be designated by the IESG. The highest number of total processing days for these requests was 142. The high number of days was mostly due to waiting on the IESG to instruct IANA how to proceed with the request as it involved parameters being described in an Internet-Draft. This request and 2 others were administratively closed for various reasons.

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	6	14 days or less	1	2
IESG Approval	2	14 days of less	1	1

There were 5 requests open as of the end of the month. One 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. Two requests have been waiting on the expert to respond for a long period of time. IANA is actively pinging the expert and if no response is received the IESG will be consulted. The remaining request was waiting on the IESG for advice on how to proceed.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within seven (7) 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 July 2010, IANA cumulatively met 90% of the goal processing times. The average for meeting IANA processing time goals over all queues was 94%. The terms for the IANA-IETF SLA for 2010 are still under discussion before final approval.