Internet Assigned Numbers Authority
Monthly Report
September 15, 2009

For the Reporting period of
August 1, 2009 – August 31, 2009

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Date:	15-September-09

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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 2009.

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 2009:
- 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 August (12 of which were NO IC). 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 36 days. For this request IANA needed to delay creating the registry as it had to be determined if creating it in XML would be possible at this time. It was determined to move forward with creating it in plain text and in the specialized format and working with the authors at

a later time to create the XML registry. This request also had the highest total processing time of 43 days.

As of the last day of August, there were 7 requests open. One request has a significant number of "other" days as it is on hold, waiting for another document to catch up. One request has to date a high number of IANA days as we are currently working with the authors, working group chairs and area directors to determine how to resolve a conflict of assignments for a document approved a long time ago. This involves doing a survey in the community and may take some time to summarize the results from the authors. IANA is currently waiting for instructions from the area director regarding how to proceed. The 5 remaining requests 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 14 requests for the month of August. 93% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 15 days. This was due to the RFC-Editor requested some revisions to the IANA actions as part of the reference updates. IANA had to double-check the actions with the RFC-Editor as there were some slight differences between what changes were being made and the final publication of the document. 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 29 requests were completed for the month of August. 79% of the requests were completed within their time goals (breakdown below). Five requests were 1 day over the processing goal and 1 request was 2 days over. For 4 of these requests, IANA's response was submitted to the IESG by the last call due date.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	21	17
3 weeks	1	0
4 weeks	7	6

As of the end of the month there were 13 open requests. All open Last Call requests were within the goal times and 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 23 requests were completed in the month of August. 91% 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. Two requests had higher IANA processing times, however comments were submitted before the documents were discussed on the IESG telechat. As of the last day of the month there were 5 requests open and being processed as normal.

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 4 requests were closed in the month of August. 75% of the requests had IANA days of 14 or less. One request had total processing days of 300 due to a high number of requester and expert review days. The average response time for the expert review was 28 days for closed requests in the month of August, however the Median was an impressive 9 days.

At the end of the month, there were a total of 68 open requests. Continued from previous months, 64 requests are from the same applicant and are still under review. The expert continues to provide feedback and the requester provides updated templates. One reason for these requests taking significantly longer is that updates to the template on the requester side go through a committee review. These requests only have 4 IANA days and all other time was is between the expert and requester (13 tickets were mistakenly omitted in the status change and therefore show an incorrect number of IANA days). For

the other 4 requests open, 1 had a very high number of total processing days (110). Most all of the time has been with the expert for this request.

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 24 requests closed in the month of August. 100% of those requests were processed with an IANA time within the14-day goal. There was 1 request with a total processing times of 107 days due to high number of expert days. For the 19 requests that were sent to the expert for review, the average response time for the expert was 39 days.

As of the end of the month there were 25 requests that were open. All of these requests had IANA days of 4 or less and all but 3 requests were waiting on the expert or requester. Four requests have total times over 100 due to waiting on the experts or requester.

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 a total of 3 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. Two requests had high total days due to waiting on the requester. At the end of August, there were 0 requests open at the end of the month.

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 200 new PENs were assigned in August 2009.

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 22 existing PENs were modified in August 2009.

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 28 IANA-TRIP requests closed in the month of August. 93% 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 38 days. There were a number of requests that had large total times due to waiting on the requester for further information.

As of the last day of August, there were 4 requests that remained open. One request has high number of total days as of the end of the month due to internal processes. All other open requests were being processed as normal.

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 5 multicast requests closed during the month of August. 80% of the closed requests had an IANA time of 14 days or less. One request had a high total processing days of 246. The majority of this time was spent waiting on the requester and expert. For the 4 requests that were sent to the expert for review, the average expert review time was 43 days.

As of the end of the month there were 2 open requests. Both requests were being processed as normal. One request had a high number of total days due to being with the requester.

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 20 requests closed during the month of August. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). One request had a total number of processing days of 175 due to waiting on others to determine the registration procedures for the registry. The other request with a high number of total days was with the expert reviewer for the majority of the request time. Three requests were administratively closed (not included in the breakdown below) due needing to either needing a different type of registration or needing to follow different registration procedures.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	8	7 days or less	8
Expert Review	9	14 days or less	9

There were 7 requests open as of the end of the month. All open requests have 7 IANA days or less. One request has high total days due to waiting on an expert to respond. The remaining 6 open requests were being processed as normal.

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 2009:

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

a. Resource allocation statistics as described in SLA item 18

In item 18 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 2009, IANA cumulatively met the 90% processing times goal. IANA continues to monitor the expert review times to determine where improvements can be made. Progress continues on the RFC-Inventory project to complete actions for all tickets by the end of the year.