Internet Assigned Numbers Authority
Monthly Report
July 15, 2008

For the Reporting period of
June 1, 2008 – June 30, 2008

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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 2008.

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. Full automation has not yet been reached however and IANA continues to work through the remaining challenges to fully automate the statistic reports and charts.

The following types of charts have been defined for each queue for the reporting year 2008:
- 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 31 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. For the 14 documents that had IANA actions, the IANA processing time for all those requests was not more than 2 days.

As of the last day of June, there were 9 requests open. Three requests remain on hold and are waiting for other documents before the actions can be performed. The remaining 6 requests were being processed as normal and were either waiting on the author or area director.

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 13 requests for the month of June. 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 no requests open.

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 28 requests were completed for the month of June. 93% of the requests were completed within their time goals (breakdown below). For the 2 requests that were not completed within the processing goals, 3 requests were completed within 15 days were submitted within the due date for the Last Call.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	21	19
4 weeks	7	7

As of the end of the month there were 7 open requests. All open requests were still 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 41 requests were completed in the month of June. 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. Two requests had IANA processing days of 8. One request had IANA processing days of 12 due to the need for extra review as there was missing information in the document regarding instructions to IANA. The highest number of total processing days for evaluations was 15 days.

As of the last day of the month there was 1 open request. This request was received at the end of the month and 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 2 requests were closed in the month of June. Both of the closed requests were completed with an IANA time as outlined in the processing goals of 14 days or less. The most total processing time was 28 days. Most all of the time in that request was either with the expert or requester.

At the end of the month, there were a total of 12 open requests. Seven requests were waiting on the requester to respond with feedback. Three requests were waiting on the expert to complete the review. The remaining 2 requests were with IANA and were about to be registered. The maximum number of days any of these requests had been in IANA time as of the end of the month was 5 days.

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 the14-day goal. Many of the requests closed this month have higher days with the expert. Eleven of the 23 requests had total processing times between 24 and 61 days. The increase in total days is due to the change in procedures for port reviews, moving from an IANA internal expert to a group of IESG designated experts, which occurred earlier this year. Training continued in June for the new experts as well as additional experts being designated by the IESG.

As of the end of the month there were 28 requests that were open. All of these had IANA days of 6 or less and almost all requests were waiting on the expert. These requests were assigned to the newly designated experts and therefore have been open much longer due to the learning time associated with becoming a new expert. IANA expects the number of days for expert reviews to decrease in the coming months as the process becomes more familiar to the new experts.

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 8 closed requests. 88% of these requests were completed within the goal processing time of 7 IANA days or less. One request had an IANA processing time of 8 days. The most days for total processing time for these requests was 29 days due to lengthy time with the expert.

At the end of June, there were 2 requests open at the end of the month. Both were going through normal processing and had no more than 3 IANA days as of the end of the month.

There were 2 open requests at the end of the month. One is awaiting a response from the requester and the other is with the expert for additional review.

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 177 new PENs were assigned in June 2008.

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 June 2008.

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 9 IANA-TRIP requests closed in the month of June. 100% of the closed requests had an IANA time of 7 days or less. One request had a total processing time of 33 days due to unresponsiveness of the requester. There were 0 requests open at the end of the month.

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 requests closed during the month of June and as of the end of the month, there were no open requests.

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 8 requests closed during the month of June. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). Three requests had total processing times of 17 days. This was due to the extra time needed to get confirmation from the IESG for the designation of the expert.

Request Type	Number of Requests	IANA goal time	Requests completed within goal

Expert Review	4	14 days or less	4
First Come First Served	4	7 days or less	4

There were 4 requests open as of the end of the month. Two requests are currently with IANA as it is still trying to be determined what the requestor wants and how to set-up a new registry for one request. The other 2 requests are with other parties. All of these requests need extra consultation for processing and additional communications with the requester and/or Area Directors to clarify the request. IANA is working towards trying to resolve these with the appropriate parties as soon as possible.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within five (5) months of implementation of the agreement for the reporting year 2008:

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.

Review output from RFC Inventory project to complete any incomplete actions – 6 month status update

During 2007, IANA reviewed RFCs 1-4500 and gathered data about any IANA actions that were not completed through publication. Incomplete actions included typos, reference updates, to missing registries. As part of the deliverables for the 2008 SLA, data output for 1500 RFCs will be reviewed and proposed actions will be categorized for each 3-period. Tickets will be created and the actions will be completed or communications to clarify the proposed actions will begin. IANA provided a 3-month status update in the April 15, 2008 report on the progress of the project.

During the last 3-month period (April-June) 2008, IANA has reviewed the results of the data for all of the remaining blocks of RFCs and created action tickets to perform the incomplete actions or modifications. A total of 427 tickets have been created for the project. See breakdown below:

RFC Block	Number of Tickets Created Jan 1-Mar 30	Number of Tickets Created Apr 1-Jun 30
1-255	0	
256-500	0	
501-750	0	
751-1000		3
1001-1250		8
1251-1500		14
1501-1750		7
1751-2000		20
2001-2100		23
2101-2250		61
2251-2499		79
2500-2750		32
2751-2899		10
2900-2925		0
2926-2999		7
3000-3099	11	

3100-3250	14	
3251-3350	20	
3351-3500	18	
3501-3750	30	
3751-4000	17	
4001-4250	25	
4251-4500	28	
Total RFCs Reviewed: **2250**	Total Tickets Created: **163**	Total Tickets Created: **264**

To better understand the types of additions/modifications that needed to be performed, IANA categorized the types of changes requested in each ticket. It is possible for a ticket to have more than one type of change. See below for the results:

Type of Change	Tickets created as of March 30, 2008	Tickets created as of June 30, 2008
Create Registry	2	89
Matrix Update	40	29
Reference Update	80	72
Registration Procedures	20	11
Typo Fix	12	3
Update existing registry	35	38
Other (not part of above categories)	15	61

IANA has completed work for 14 tickets that were created. Now that all necessary tickets have been created, IANA will be focusing on completing the work needed to resolve the tickets. A schedule for completing the work items has been set-up for the next 3-month period. Another status report on work completed will be provided in the 9th month report.

Conclusions

In looking at all the IETF related queues, IANA has met all processing goals for this reporting period. IANA is on track for the additional deliverable for the RFC-Inventory project.