

# Internet Assigned Numbers Authority

## Monthly Report

### July 15, 2009

*For the Reporting period of  
June 1, 2009 – June 30, 2009*

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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 26 requests for the month of June (13 of which were NO IC). 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 23 days. For this request IANA needed to delay updating the registry as it was in the middle of being converted to XML. After conversion was completed the changes to the registry were

made and the request was resolved. The highest total processing time for approval requests for June was 24 days.

As of the last day of June, there were 12 requests open. One request had a significant number of other days as it was on hold. 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. This involves doing a survey in the community and may take some time to summarize the results from the authors. This document was approved many years ago. IANA is working with the authors and area directors regarding the recommendations from the survey at this time. The 10 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 9 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 2 days. As of the end of the month there were 5 open requests and all were being processed as normal.

### **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 61 requests were completed for the month of June. 89% of the requests were completed within their time goals (breakdown below). Two requests were 1 day over the processing goal, however IANA's response was submitted to the IESG by the last call due date. Five documents had additional processing days with the large amount of last calls processed this month.

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	47	41
4 weeks	14	13

As of the end of the month there were 4 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 38 requests were completed in the month of June. 82% 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. Three requests were over the processing goal by 1 day. Four 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 8 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 9 requests were closed in the month of June. 100% of the requests had IANA days of 14 or less. One request had total processing days of 75 due to a high number of expert review days. Three of the 9 completed requests were administratively closed. The average response time for the expert review was 24 days for closed requests in the month of June.

At the end of the month, there were a total of 72 open requests. Of the 72 open requests, 64 are from the same applicant. The expert continues to provide feedback and the requester provides updated templates. 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 11 requests open, 4 had a very high number of total processing days (145 and more). IANA is watching these to either make sure communications between parties continues or that the request is administratively closed if there is no response. Requesters are given response deadlines and if responses are not received the requests are administratively closed.

## **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 June. 100% of those requests were processed with an IANA time within the 14-day goal. There were 2 requests with a total processing times of 84 days or more due to high number of expert and requester days. For the 12 requests that were sent to the expert for review, the average response time for the expert was 35 days.

As of the end of the month there were 23 requests that were open. All of these requests had IANA days of 3 or less and all but 1 request were waiting on the expert or requester. Two requests have total times over 100 due to waiting on the experts or requester.

## **Modification to and/or deletions of Port number requests (h)**

### **POR-T-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 2 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. The total number of days for these requests was not more than 3. At the end of June, there were 2 requests open at the end of the month. Both of these requests were waiting on the requester.

## **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 162 new PENs were assigned in June 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 17 existing PENs were modified in June 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 17 IANA-TRIP requests closed in the month of June. 94% 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 10 days. As of the last day of June, there were 16 requests that remained open. All open requests were being processed as normal and had no more than 7 IANA days.

### **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 June. 100% of the closed request had an IANA time of 14 days or less. The total processing time for this request was 15 days.

As of the end of the month there were 2 open requests. Both requests had no more than 13 IANA processing days. To date, 1 request had a large total time of 188 days. This time was mostly split between the expert and requester. IANA is arranging for the requester and expert to communicate directly so that they can resolve any complicated issues in the application.

### **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 7 requests closed during the month of June. 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 80 due to a high number of days with the expert and the appropriate mailing list. This request and one other ultimately was administratively closed (not included in the breakdown below) due needing to follow different registration procedures or because of advice from an expert.

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

There were 5 requests open as of the end of the month. All but 1 request was waiting on the expert or other party to respond. To date, 1 request had a large number of IANA processing days of 122 due to IANA delays carried over from the previous months as well as consulting internally how this registration can be accomplished. It was recently determined that the IESG would review this special request and was scheduled for discussion on an IESG telechat. For 3 open requests, IANA continues to consult with experts and the IESG when needed to determine the appropriate actions. The remaining open request was being processed as normal.

## **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 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 June 2009, IANA cumulatively met the 90% processing times goal. Two queues had 82% and 89% goal processing times due to longer reviews of document needed. An update on expert processing times and the RFC-Inventory project will be given at the IETF meeting in Stockholm, Sweden.