

Internet Assigned Numbers Authority  
Monthly Report  
May 15, 2009

*For the Reporting period of  
April 1, 2009 – April 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 25 requests for the month of April (10 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. One document had an IANA processing time of 42 days. This ticket took required extra time with IANA as the approved document was creating a very large registry. The highest total processing time for approval requests for April was

96 days. This is due to the document being on hold for about 3 months waiting for other documents to catch up.

As of the last day of April, there were 5 requests open. One request had a significant number of other days as it was waiting on the authors to respond. One request was recently initiated as some incomplete IANA actions were found. This ticket to date has 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. All other 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 21 requests for the month of April. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 4 days. As of the end of the month there were 2 open requests. These requests had only been open 3 days and 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 24 requests were completed for the month of April. 88% of the requests were completed within their time goals (breakdown below). Three requests were 1 day over the processing goal, however IANA’s response was submitted to the IESG by the last call due date.

<b>Last Call Time Frame</b>	<b>Total Requests</b>	<b>Completed within time goals</b>
2 weeks	19	16
4 weeks	5	5

As of the end of the month there were 12 open requests. Two requests were overdue as of the end of the month. IANA is working to get the comments submitted to the IESG as soon as possible. All other 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 31 requests were completed in the month of April. 90% 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 had longer IANA days due to longer review time needed.

As of the last day of the month there were 5 requests open and being processed as normal. Two of those requests had IANA processing times over the 7-day goal due to the reviewer needing more time to complete the review.

## **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 7 requests were closed in the month of April. 100% of the requests had IANA days of 14 or less. One request had total processing days of 127. This was a modification request and the majority of the time for this request was spent with the requester. Four of these requests were administratively closed, as they were requests for registration in the standards tree. The average response time for the expert review was 3 days for closed requests in the month of April.

At the end of the month, there were a total of 12 open requests. All requests were still under the IANA processing goals of 14 days and under. Seven of those requests were waiting on the requester to respond. The other 5 were waiting on the expert. There were a large amount of requests that had very high number of requester days (70 and above) and only 1 request had a high number of expert days so far.

## **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 19 requests closed in the month of April. 100% of those requests were processed with an IANA time within the 14-day goal. There were 3 requests with a total processing times of 79 days or more. The processing time was mostly split between the expert and requester for these requests. For the 15 requests that were sent to the expert for review, the average response time for the expert was 31 days.

As of the end of the month there were 24 requests that were open. All of these requests had IANA days of 4 or less and all but 2 requests were waiting on the expert or requester. Three requests had very large total times to date due to long expert review 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 a total of 3 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. The total days for all these requests was not more than 55 days. All but 1 day of the processing time was with the requester.

At the end of April, there were 9 requests open at the end of the month. All requests had IANA days of 3 or less and were waiting for a response from the requester. If the requesters do not respond soon, these will be administratively closed.

## **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 291 new PENs were assigned in April 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 23 existing PENs were modified in April 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 16 IANA-TRIP requests closed in the month of April. 100% of the closed requests had an IANA time of 7 days or less. One request had a total of 36 days processing time due to lack of response from the requester. As of the last day of April, there was 1 request that remained open. This request had only been open 1 day and was 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 no multicast requests closed during the month of April. As of the end of the month there were 5 open requests. All requests were waiting on the expert. All requests had no more than 5 IANA processing days. To date, 1 request had a large total time of 127 days. This time was mostly split between the expert and 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 46 requests closed during the month of April. 100% of the requests were processed within the appropriate IANA time goals (see breakdown below). There was 1 request that had 17 total IANA days. This request needed additional time for review to determine the correct response to the requester as to what the registration procedures are and was ultimately administratively closed. Of the total requests completed, 37 were language subtag modifications. IANA is keeping a close watch of how many language tag related requests we are receiving to determine if a new queue should be created to process requests. A total of 4 requests were administratively closed (not included in the breakdown below) due needing to follow different registration procedures.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
FCFS	4	7 days or less	4
Expert Review	38	14 days or less	38

There were 19 requests open as of the end of the month. All but 1 request was waiting on the expert or requester to respond. To date, only 1 request had a large number of IANA processing days of 73 due to IANA delays carried over from the previous months as well as consulting internally how this registration can be accomplished.

## Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within four (4) 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 April 2009 IANA met the goal processing times. Reviewing expert processing times continues to be monitored as well as if there are high numbers of particular protocol parameter requests in order to determine if new queues should be created.