

ICANN  
Internet Assigned Numbers Authority  
Monthly Report  
March 15, 2010

*For the Reporting period of  
February 1, 2010 – February 28, 2010*

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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 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 26 requests for the month of February (12 of which were NO IC). 92% 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 19 days. For this document the authors were IANA staff members and there was a state change

missing which would have been considered “other” time. There were 2 requests with high total processing times. One request had total days of 331 mostly due to waiting for a time-constrained author. The other request had 107 total days due to waiting on confirmation that there were really no IANA actions as the document had gone through changes from Last Call to approval.

As of the last day of February, there were 8 requests open. Two requests had significant number of total days. The first is waiting for Ralph Droms as the Area Director and Authors to assist IANA in resolving an issue with the assignment. Once the issue is resolved the actions can be completed and the ticket resolved. The second request requires carefully setting up 2 IDN registries. We are working with our XML consultants to make sure the registries are set-up properly and to the specifications of the document authors. As of the end of the month these registries were almost complete. The 6 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 10 requests for the month of February. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 9 days. As of the end of the month there were 6 open requests. These requests were all being processed as normal and had only been open for 2 days.

### **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 27 requests were completed for the month of February. 78% of the requests were completed within their time goals (breakdown below). One request was 1 day over the processing goal however were submitted to the IESG by the last call due date. The remaining 5 requests were late due to the reviewer of these requests going on an unexpected trip causing responses to be late by a few days.

<b>Last Call Time Frame</b>	<b>Total Requests</b>	<b>Completed within time goals</b>
2 weeks	21	16
4 weeks	6	5

As of the end of the month there were 22 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 32 requests were completed in the month of February. 97% 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. One request had IANA processing time over 7 days, however comments were submitted before the documents were discussed on the IESG telechat. As of the last day of the month there were 12 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 5 requests were closed in the month of February. 100% of the requests had IANA days of 14 or less. The highest total processing days was 67 due to most days spent with the requester. For the 4 requests that were sent to the expert, the average response time was 24 days.

At the end of the month, there were a total of 7 open requests. All requests were being processed as normal and were waiting on the expert or requester for a response. The open requests had no more than 3 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 15 requests closed in the month of February. 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 38 days. For the 16 requests that were sent to the expert for review, the average response time for the expert was 26 days. The highest total time for closed port requests this month was 10 days. This was due to a high number of expert review days.

As of the end of the month there were 21 requests that were open. All of these requests had IANA days of 3 or less and all requests were waiting on the expert 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 6 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. The highest number of total processing days was 42 due to waiting on the requester.

At the end of February, there were 2 requests open. One request has a high number of other days as Tim Polk as Security Area Director is assisting with getting a confirmation regarding the requested modification. He hopes that the requested information will be obtained soon and the request will be resolved around the Anaheim IETF Meeting. The other remaining request has a high number of IANA days as IANA has to do some additional review, including on sending a message to the IETF Community to verify the port is no longer used.

## **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 February 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 15 existing PENs were modified in February 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 12 IANA-TRIP requests closed in the month of February. 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 16 days. Most all of this time was spent waiting on the requester. As of the last day of February, there were 3 requests open. One request was waiting for a response from the requester. The 2 remaining requests were received on the last day 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 5 multicast requests closed during the month of February. 100% of these requests were processed with an IANA time within the 14-day goal. The highest total time for these requests was 149 days almost all due to waiting on the expert. The average expert review time for these 5 requests was 53 days.

As of the end of the month there were 3 open requests. One request had been open 77 days as of the end of the month due to equal time waiting on the expert and requester. The remaining 2 requests were waiting on expert and had only been open 6 days.

### 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 11 requests closed during the month of February. 91% of the requests were processed within the appropriate IANA time goals (see breakdown below). The highest number of total processing days for these requests was 233. The high number of days was due to waiting on the expert. The other request with high total days of 156 was for modifications to the IPP Registrations registry. Careful review of the registry by the designated experts was required and resulted in multiple updates. This request required extra time by IANA to process the changes. The 2 IESG Approval requests mentioned in the table below were administratively closed, as the IESG requested to have a document for review first.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	3	7 days or less	3
Expert Review	5	14 days or less	4
IESG Approval	2	14 days or less	2
Early Allocation Procedure	1	14 days or less	1

There were 5 requests open as of the end of the month. All open requests have 14 IANA days or less. As of the end of the month the IANA days were still within the goal times. Two requests have high total days. One request is for 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. The other request was placed on hold by the requesters. Although the preliminary expert reviews were performed, the requesters would like to wait for their specifications to be revised and approved before making the registrations.

## **Deliverables**

In accordance with the SLA, the IANA is reporting on the following deliverables due within two (2) 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)
- 4) RFC-Inventory Project Summary Report (March 1, 2010)

### ***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.

## ***RFC-Inventory Project Summary Report***

In the 2010 SLA, there is a deliverable which states “ICANN/IANA will document the final results of the project in a summary report”. A separate report was delivered to the IETF-IANA Working Group on March 1, 2010. This document will be re-formatted and submitted as an Information RFC so that the community can review the work completed for this project.

## **Conclusions**

In February 2010, IANA cumulatively met 90% of the goal processing times. The terms for the IANA-IETF SLA for 2010 are being finalized for final approval and signature in March 2010 at the IETF meeting in Anaheim.