

ICANN
Internet Assigned Numbers Authority
Monthly Report
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*For the Reporting period of
March 1, 2010 – March 31, 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 34 requests for the month of March (19 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. The most total IANA processing time was 12 days.

As of the last day of March, there were 26 requests open. Three 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. It was determined that an early allocation was necessary to complete the actions for this document. Ralph confirmed with Stewart Bryant (Area Director) that the early allocation was the correct way forward and was requesting IESG approval. Once approval is obtained, 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 the final changes and verifications for the registries were being processed. The third request required changes to the .arpa zone, therefore requiring an official request to go through the IANA Root-Management process. Currently we are working with the IAB to get the appropriate approvals for the .arpa additions. The remaining 23 requests were being processed as normal and were within the 14-day IANA goal.

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 29 requests for the month of March. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 6 days. As of the end of the month there was 1 open request. This request needed additional information to complete the full processing of the reference updates. The authors were being contacted for further clarification.

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 42 requests were completed for the month of March. 100% of the requests were completed within their time goals (breakdown below).

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	31	31
3 weeks	4	4
4 weeks	7	7

As of the end of the month there were 23 open requests. All but 1 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 31 requests were completed in the month of March. 87% 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. Four requests had IANA processing times 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 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 8 requests were closed in the month of March. 100% of the requests had IANA days of 14 or less. The highest total processing days was 75 due to most days spent with the requester and expert. For the 5 requests that were sent to the expert, the average response time was 36 days.

At the end of the month, there were a total of 5 open requests. All requests were being processed as normal. One was waiting on the expert and the remaining 4 were fairly new. The open requests had no more than 6 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 19 requests closed in the month of March. 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 17 requests that were sent to the expert for review, the average response time for the expert was 25 days. The highest total time for closed port requests this month was 109 days. This was due to a high number of both expert review and requester days.

As of the end of the month there were 20 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 2 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 7 and half the time was due to waiting on the requester.

At the end of March, there were 5 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. The other remaining request has a high number of IANA days as IANA has to do some additional review, including sending a message to the IETF Community to verify the port is no longer used. We are working with Lars Eggert to determine the appropriate language for that message. The remaining 3 requests were being processed as normal.

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 222 new PENs were assigned in March 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 27 existing PENs were modified in March 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 14 IANA-TRIP requests closed in the month of March. 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 6 days. As of the last day of March, there were 2 requests open. Both requests are waiting for a response from the requester.

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 3 multicast requests closed during the month of March. 100% of these requests were processed with an IANA time within the 14-day goal. The highest total time for these requests was 88 days almost equally due to waiting on the expert and requester. The average expert review time for these 3 requests was 22 days. 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 10 requests closed during the month of March. 70% of the requests were processed within the appropriate IANA time goals (see breakdown below). Two requests were 1 day over the goal time therefore resulting in the lower percentage within the time goals. The highest number of total processing days for these requests was 41. The high number of days was due to waiting on IANA to determine how to proceed with the request and obtaining IESG approval for the early allocation. Two of the expert review requests were rejected due to insufficient information.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	3	7 days or less	2
Expert Review	6	14 days or less	5
Early Allocation Procedure (IESG Approval)	1	14 days or less	0

There were 6 requests open as of the end of the month. All open requests have 17 IANA days or less. Three requests had significant total days as of the end of the month. The first 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. As there are conversions taking place at the same time, this one may take longer to resolve. The second 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. The third request was waiting on the expert to make a decision about the proposed registration. The remaining 3 requests were being processed as normal.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within three (3) 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)

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.

Conclusions

In March 2010, IANA cumulatively met 90% of the goal processing times. The terms for the IANA-IETF SLA for 2010 are being reviewed by the IAOC. When finalized the SLA will be ready for signature by both parties.