

Internet Assigned Numbers Authority
Monthly Report
August 15, 2008

*For the Reporting period of
July 1, 2008 – July 31, 2008*

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Table of Contents

Table of Contents	1
Executive Summary	2
Statistics.....	2
IESG approved documents (a)	2
Reference Updates (b)	3
Last Calls (c)	3
Evaluations (d)	3
Media (MIME) type requests (e, f)	4
New Port number requests (g).....	4
Modification to and/or deletions of Port number requests (h)	5
New Private Enterprise Number (PEN) requests (i)	5
Modification to and/or deletions of PEN requests (j).....	5
New IANA TRIP ITAD Numbers (k).....	6
Requests relating to other IETF-created registries for which the request rate is more than five per month (l).....	6
Deliverables.....	7
Provide publicly accessible, clear and accurate periodic statistics.....	7
Track and publicly report on a monthly basis (monthly report).....	7
Single points of failure documentation to IETF-IANA Working Group (continual).....	8
Conclusions	8

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 41 requests for the month of July (13 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. One request had a total processing time of 98 days. This request was on hold for 96 days waiting for another document to catch up.

As of the last day of July, there were 13 requests open. Two requests remain on hold and are waiting for other documents before the actions can be performed. The remaining 11 requests were being processed as normal and are waiting on the authors or the actions were in progress with IANA.

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 July. 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 15 requests were completed for the month of July. 93% of the requests were completed within their time goals (breakdown below). For the 1 request that was not completed within the processing goals, it was completed within the due date for the Last Call response.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	11	10
2 ½ weeks	1	1
3 ½ weeks	1	1
4 weeks	2	2

As of the end of the month there were 6 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 30 requests were completed in the month of July. 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 13 and 20 due to the need for a full review because these documents were not reviewed during last call. However both documents were reviewed in time for the IESG telechat. As of the last day of the month there were no open requests.

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 12 requests were closed in the month of July. All of the closed requests were completed with an IANA time as outlined in the processing goals of 14 days or less. There were 6 requests that had total processing time was over 30 days. The majority of the total time for those requests was either with the expert or requester.

At the end of the month, there were a total of 5 open requests. Four requests were waiting on the requester or expert to respond with feedback. The remaining request was in transit with IANA and was about to go back to the expert for additional review. The maximum number of days any of these requests had been in IANA time as of the end of the month was 8 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 16 requests closed in the month of July. 94% of those requests were processed with an IANA time within the 14-day goal. One request had an IANA processing time of 74 days, however this was an error with an accidental ticket merge.

The true number of IANA days for that request was actually 3. Many of the requests closed this month have higher days with the expert due to the change of procedures in previous months.

As of the end of the month there were 24 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 continue to decrease in the coming months as the process becomes more familiar to the new experts and more experts are added to share the load of reviews. IANA will continue to carefully monitor this queue.

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 2 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. Both had a total processing time of 6 days or less.

At the end of July, there were 4 requests open at the end of the month. All but 1 was going through normal processing and had no more than 3 IANA days as of the end of the month. One request had 12 IANA days, however needed additional review before moving forward with processing.

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 225 new PENs were assigned in July 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 15 existing PENs were modified in July 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 10 IANA-TRIP requests closed in the month of July. 90% of the closed requests had an IANA time of 7 days or less. One request had 8 IANA days. The most total processing days for any of these requests was 8 days. 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 was 1 multicast request closed during the month of July. This request was processed within the appropriate IANA time goals of 14 days or less. There were 2 requests open at the end of the month. Both were waiting on the expert and had IANA processing days of 5 days or less.

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 July. 86% of the requests were processed within the appropriate IANA time goals (see breakdown below). One request for a first come first serve request took 8 IANA days. One request had total a processing time of 28 days. This was due to the extra time needed to get an expert designated by the IESG to review the request.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
Expert Review	4	14 days or less	4
First Come First Served	3	7 days or less	2

There were 8 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 the other is within normal processing. The other 6 requests are with other parties. All of these requests are either within normal processing or 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.

Conclusions

In looking at all the IETF related queues, IANA has met all processing goals for this reporting period.