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Internet Assigned Numbers Authority
Monthly Report
December 14, 2007

For the Reporting period of
November 1, 2007 – November 30, 2007

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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 signed between ICANN and the IETF effective 1 January 2007.

Statistics

As outlined in the IETF–IANA SLA, IANA is tasked with collecting and reporting on IETF-related statistics. The IETF-IANA committee continues to work to come to an agreement regarding what the statistical output should look like. IANA will continue to provide the set of statistics below using the agreed upon format. There continue to be some points below that are not fulfilled in this month's report due to complications with the way the requests are processed.

Below you will find the line item from the SLA of the statistics requested, 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.

Current issues that remain are how the tool deals with merged tickets and queue changes. IANA is currently working on a possible adjustment to some of the charts to account for these ticket issues, which should allow for the numbers to match from month to month. Any adjustments in the charts will be agreed upon within the IETF-IANA committee before appearing as part of the set of charts for this report.

For this month's statistics, the charts were generated using a graphing tool. 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. IANA recognizes that the various formats of the graphs, which are generated by the tool, are not optimal. Improvement to the scale, colors, fonts and other visual features continue to be reviewed.

Types of charts for each queue found at http://www.iana.org/reporting-and-stats/index.html:
- 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

IESG approved documents (a)

There are 2 processes that involve documents that have been approved for publication as an RFC where IANA has involvement. The first is when a document is approved by the IESG or the RFC-Editor indicates that they will be publishing the document. IANA reviews the document to determine what actions need to be performed if any. The second is when the RFC-Editor notifies IANA that an RFC-number has been assigned and IANA needs to update references in registries that were updated with new registries and/or assignments.

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. 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-APPROVAL QUEUE

IANA completed a total of 32 requests for the month of November (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.

As of the last day of November, there were 5 requests open. All 5 requests had an IANA processing time still within the goal range of 14 days or fewer and were all waiting on either the authors or another party. There are 2 requests that have been open significantly longer than the other requests as 1 document is currently On Hold (waiting for another document to be approved before the IANA actions can be completed) and the other is waiting for the author to respond. IANA has requested assistance from the Area Director in getting a response.

DRAFTS-UPDATE-REFS QUEUE

Note: This type of request is not clearly identified in the SLA. Updating references would be most appropriately fit into the parameter requests not requiring technical review. A suggested goal for IANA completion time would be a maximum of 7 days.

IANA completed a total of 9 requests for the month of November. 89% of the requests were completed within the 7 IANA day goal range. There was 1 request completed with 16 IANA days. IANA had multiple communications with the Working Group Chair and the IANA reviewer regarding the reference updates for this document as the registration procedures needed to be verified. As of the end of the month, there were 0 requests open.

Review of documents on IESG telechat agendas (b)

IANA reviews all documents that appear on the IESG telechats, which occur every other week. There are 2 ways the review of documents is tracked. The first is through IANA's participation during the IESG Last Call of a document (the "drafts-lastcall" queue). The second is through the IESG Evaluation of documents (the "drafts-evaluation" queue).

Requests begin at the time IANA receives a notification of Last Call or Evaluation from the IESG and ends with IANA submitting official comments to the IESG. Below you will find the statistics for both the "drafts-lastcall" and "drafts-evaluation" queues. Each request in the statistics represents a separate/individual Last Call or Evaluation, even if the Last Call or Evaluation is being repeated.

DRAFTS-LASTCALL QUEUE

Note: For the drafts-lastcall queue there are no processing goals described in the SLA. Last Calls are sent to IANA with a due date. IANA's goal is to submit official comments by that due date. Most Last Calls are between 2 to 4 weeks. There are some, usually ones that are being Last Called for the second or third time, which have 1-week time frames. This would give the IANA a range of 7 to 28 days to complete a review and submit comments, depending on the time frame given for each Last Call.

A total of 34 requests were completed for the month of November. 100% of the requests were completed within their time goals (breakdown below). Some of the Last Call periods were larger than normal due to the IETF meeting.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	25	25
3 weeks	3	3
4 weeks	5	5
5 weeks	1	1

As of the end of the month there were 13 open requests. All open requests were still within the processing goal times.

DRAFTS-EVALUATION QUEUE

Note: For the drafts-evaluation queue there are no processing goals described in the SLA.   Evaluations are sent to IANA with no due date, however IANA'a goal is to submit the official comments within 1 week of receipt. If the Evaluation is received less than a week before the document is discussed on the telechat, the goal is to send a response before the telechat takes place. In the event that providing a response is not possible as there was not sufficient time to review the document before the telechat, IANA will request more time.

A total of 27 requests were completed in the month of November. 100% 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.

As of the last day of the month there was only 1 open request. This Evaluation was not ready to be sent as IANA was waiting for the Last Call period to finish.

New Media (MIME) type requests I

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 November. 100% of the closed requests have been completed with an IANA time as outlined in the processing goals of 14 days or less.

At the end of the month, there were a total of 4 open requests. Two requests were waiting on the expert for a response. The other two were with the requester and IANA (ready for registration). The maximum number of days any of these requests had been in IANA time as of the end of the month was 3 days.

Modification to and/or deletions of Media (MIME) type requests (d)

All media type requests are processed in the "iana-mime" queue. This queue includes a field to designate the request is for a new type or the modification or deletion of an existing type. These total statistics for the media type queue are found above in the "New Media type requests" section. In any given month there are little or no requests for deletion or modification of media types.

New Port number requests (e)

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

Note: Previously the "expert review" time was being counted as IANA time as the review was completed by IANA internal experts. Starting July 1, 2007, this time is reported as third-party (other) time, as IANA is requesting the IESG designate an official expert for this process.

There were a total of 22 requests closed in the month of November. 100% of those requests were processed with an IANA time within the 14-day goal. As of the end of the month there were 8 requests that remained open. All of these had IANA days of 3 or less and most requests were waiting on the requester.

Modification to and/or deletions of Port number requests (f)

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 6 closed requests. 100% of these requests were completed within the goal processing time of 7 IANA days or less. There were 7 open requests at the end of the month. For any of these open requests the most IANA days was 6 days.

New Private Enterprise Number (PEN) requests (g)

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 201 new PENs were assigned in November 2007.

Modification to and/or deletions of PEN requests (h)

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 November 2007.

Requests for the creation and/or deletion of registries (i)

IANA receives requests for the creation of registries through documents that will be published as RFCs. There is no separate queue for tracking the creation of registries, separately from actions that are approved via RFC publication. For more information, please see the above section "IESG approved documents". Further discussion is needed to determine if different statistics need to be produced for registry creation/deletion.

Requests relating to other IETF-created registries for which the request rate is more than five per month (j)

For those registries where there are more than 5 requests per month, IANA creates a separate queue for tracking those tickets. Currently there is two request types where IANA has created separate queues: TRIP ITAD Numbers and Multicast addresses.

Although not requested by the SLA, also included in this report are statistics on the general protocol parameter queue. This queue contains all other requests for assignments and registrations in the other IANA maintained protocol parameter registries.

IANA-TRIP QUEUE

There were a total of 13 IANA-TRIP requests closed in the month of November. 85% of the closed requests had an IANA time of 7 days or less. Two requests had a total of 9 days and include a 4-day holiday weekend. For the 8 requests that remain open at the end of the month, 4 are waiting on the requester to respond and have been for the life of the

requests. Three requests are waiting on IANA and are ready for assignment. There is 1 request that is being delayed due to internal processes.

IANA-MULTICAST QUEUE

There was a total of 1 request closed during the month of November. 100% of those requests were processed within the goal time of 14 IANA days or less. Two tickets remain open at the end of the month. These requests are waiting on the expert and have no more than 1 day on the IANA clock.

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 a total of 15 requests closed during the month of November. 100% of these were processed within the appropriate IANA time goals (see breakdown below).   There were 3 requests open as of the end of the month. All were waiting for the expert, another party, or the requester. For all of these requests, the maximum IANA time on any one request at the end of the month was only 2 days. All other time spent in the queue is with the requester, expert or other party. There was 1 request for a parameter in an IETF Consensus space that was administratively closed. In summary, the IANA time for general protocol parameter requests are within the established goals for each of the request types.

Request Type	Number of Requests	IANA goal time	Requests completed within goal
First Come First Serve	2	7 days or less	2
Expert Review	10	14 days or less	10
IESG Approved (early allocation)	2	14 days or less	2
IETF Consensus	1	Admin closed	Admin closed

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within eleven (11) months of implementation of this agreement:

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 20

In item 20 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

Discussions within the IETF-IANA group have continued regarding future presentation of graphs. Progress has been made, however future versions of graphical presentations are still being developed and reviewed

As can be seen by the provided information in this report, IANA has completed the deliverables outlined in the SLA for the eleventh month, including meeting the

processing goals. IANA will continue to report on the outstanding deliverables in future monthly reports.