

ICANN  
Internet Assigned Numbers Authority  
Monthly Report  
October 17, 2011

*For the Reporting Period of  
September 1, 2011 –September 30, 2011*

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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 2011.

## 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 2011:

- 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.*

<b>QUEUE: DRAFTS-APPROVAL</b>	
Total closed tickets	39
Tickets with no IANA Actions	19
IANA processing goals met (14 days or less)	38/39 (97%)
Highest total processing days	30
Highest total IANA days	15
Total open tickets	15

Highest total processing days to date	135
Highest total IANA days to date	135

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	29	15	IANA had questions about actions added to the document after Evaluation and about consolidating related registries in one page.
OPEN	135	135	Working with all parties to determine next steps in processing IANA actions.
OPEN	119	4	Actions could not be completed until another document was approved. This will be resolved shortly.
OPEN	110	88	Working with XML experts to produce a new registry and archive the existing registry.
OPEN	78	29	New addition to document requires that a new column be added to several existing registries, but does not provide data for that column. Working with authors to determine how that data will be supplied. This will be resolved shortly.

### Reference Updates (b)

*The requests in the “drafts-update-refs” queue begin 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.*

QUEUE: DRAFTS-UPDATE-REFS	
Total closed tickets	10
IANA processing goals met (7 days or less)	10/10 (100%)
Highest total processing days	24
Highest total IANA days	3
Total open tickets	n/a
Highest total processing days to date	n/a
Highest total IANA days to date	n/a

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

### 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.*

QUEUE: DRAFTS-LASTCALL	
Total closed tickets	25
IANA processing goals met (see breakdown)	19/25 (76%)
Total open tickets	15

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	17	12
4 weeks	8	7

### 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.*

QUEUE: DRAFTS-EVALUATION	
Total closed tickets	32
IANA processing goals met (7 days or less)	32/32 (100%)
Total open tickets	4

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

### 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.*

QUEUE: IANA-MIME	
Total closed tickets	1
IANA processing goals met (14 days or less)	1/1 (100%)
Highest total processing days	9
Highest total IANA days	8
Average Expert days	2
Total open tickets	4
Highest total processing days to date	86
Highest total IANA days to date	36

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
OPEN	86	36	Delays on the requester’s part. Procedural question from requester submitting on behalf of standards body.
OPEN	61	1	Delays on the requester’s part.

### 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.*

QUEUE: IANA-PORTS	
Total closed tickets	10
IANA processing goals met (14 days or less)	10/10 (100%)
Highest total processing days	81

Highest total IANA days	5
Average total days	33
Average Expert days	17
Total open tickets	24
Highest total processing days to date	302
Highest total IANA days to date	4

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	81	2	Multiple communications between expert and requester. Delays on the part of both expert and requester.
OPEN	302	1	Multiple communications between expert and requester.
OPEN	240	1	Delay on the expert's part.
OPEN	99	1	Delays on the part of both expert and requester.
OPEN	99	4	Multiple communications between expert and requester. Delay on the expert's part.

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

*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.*

QUEUE: PORT-MODIFICATION	
Total closed tickets	2
IANA processing goals met (7 days or less)	2/2 (100%)
Highest total processing days	13
Highest total IANA days	3
Total open tickets	4
Highest total processing days to date	23
Highest total IANA days to date	1

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

### **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.*

QUEUE: PEN	
Total PENs assigned	175

### **Modification to and/or deletions of PEN requests (j)**

QUEUE: PEN-MODIFICATION	
Total PENs modified	8
Total PENs deleted	0

### **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.*

QUEUE: IANA-TRIP	
Total closed tickets	14
IANA processing goals met (7 days or less)	13/14 (100%)
Highest total processing days	11
Highest total IANA days	11
Total open tickets	4
Highest total processing days to date	18
Highest total IANA days to date	3

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	11	11	IANA error; completed registration but neglected to close ticket.

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

*For those registries where there are more than 5 requests per month, IANA creates a separate queue for tracking those tickets.*

QUEUE: MULTICAST	
Total closed tickets	n/a
IANA processing goals met (14 days or less)	n/a
Highest total processing days	n/a
Highest total IANA days	n/a
Average Expert days	n/a
Total open tickets	2
Highest total processing days to date	49
Highest total IANA days to date	2

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
n/a	n/a	n/a	n/a

*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.*

QUEUE: IANA-PROT-PARAM	
Total closed tickets	13
IANA processing goals met (see breakdown below)	13/13 (100%)
Highest total processing days	372
Highest total IANA days	12



FCFS Completed within goal time (7 IANA days or less)	3/3
Expert Review/Specification Required within goal time (14 IANA days or less)	10/10
Early Allocation completed within goal time (14 IANA days or less)	n/a
IESG Approval completed within goal time (14 IANA days or less)	n/a
Admin closed	n/a
Total open tickets	79
Highest total processing days to date	117
Highest total IANA days to date	11

Tickets that required more IANA processing time than the SLA prescribes or that required more than 60 days of total processing time are described below.

TICKET DETAIL			
Status	Total Days	IANA Days	Description
CLOSED	372	9	The requester sent a second revised template. Delays on the expert's part.
CLOSED	285	9	WG was unable to come to a conclusion for several months.
OPEN	117	11	This is an IESG Approval request. Waiting for the requester's revised document in response to AD questions.
OPEN	68	5	Multiple communications between expert and requester. Delays on the expert's part.
OPEN	66	1	Delays on the expert's part.

## Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within nine (9) months of implementation of the agreement for the reporting year 2011:

- 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 2 of the Reports section

In item 2 in the Reports section 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 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 as needed.

- c. Efforts that have addressed single points of failure/expertise (see item 3 in Services section of the SLA)

## **Conclusions**

In September 2011, IANA cumulatively met 95% of the goal processing times. IANA met the goal processing times for nine of the nine queues that had requests. There was an increase in requests in the IANA-PROT-PARAM queue due to requests forwarded to IANA from the previous management of the service names at dns-sd.org. We expect to receive more requests for service-names in the future. However, this temporary increase was a result of backlog during the transition to the combined service names and port registry.

Tickets closed	Tickets closed on time
146	138