IANA Protocol Parameter Service
Monthly Report
November 12, 2019

For the Reporting Period of
October 1, 2019 – October 31, 2019

Prepared by: Sabrina Tanamal
sabrina.tanamal@iana.org

Executive Summary

This monthly report provides statistical information of the IANA Services operations as they relate to the IETF. Also included are the deliverables for this reporting period in accordance with the Supplemental Agreement (SLA) between ICANN and the IETF LLC with the effective date 31 July 2019.

For this reporting period, we completed 108 of 108 requests within the IANA Services processing goal times (100%).

Statistics

As outlined in the IETF–IANA SLA, ICANN is tasked with collecting and reporting on IETF-related statistics. ICANN has sub-contracted with its affiliate Public Technical Identifiers (PTI) to perform the IANA Services on its behalf and consistent with the SLA.

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 2019:
- 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 the IANA Services Operator 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 the IANA Services Operator.

QUEUE: DRAFTS-APPROVAL	
Total closed tickets	22
Tickets with no IANA Registry Actions	10
IANA Services processing time goals met (14 days or less)	22/22 (100%)
Highest total processing days	54
Highest total IANA Processing days	13
Total open tickets	3
Highest total processing days to date	11
Highest total IANA Processing days to date	4

Tickets that required more IANA Processing time than the SLA prescribes (14 IANA Processing days or less) or that required more than 60 days of total processing time are described below.

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

Reference Updates (b)

The requests in the "drafts-update-refs" queue begin at the time the RFC-Editor notifies IANA Services Operator of the RFC number assigned to a document that includes actions in the IANA Considerations section and ends when all references to the document are updated in the Protocol Parameter registries.

QUEUE: DRAFTS-UPDATE-REFS	
Total closed tickets	4
IANA Services processing goals met (7 days or less)	4/4 (100%)
Highest total processing days	4
Highest total IANA Processing days	4
Total open tickets	0
Highest total processing days to date	n/a
Highest total IANA Processing days to date	n/a

Tickets that required more IANA Processing time than the SLA prescribes (7 IANA Processing days or less) or that required more than 60 days of total processing time are described below.

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

Last Calls (c)

Requests begin at the time the IANA Services Operator receives a notification of Last Call from the IESG and ends with the IANA Services Operator 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	17
IANA Services processing goals met (see breakdown)	17/17 (100%)
Total open tickets	16

Last Call Time Frame	Total Requests	Completed within time goals
2 weeks	17	17

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 Processing Days	Description
n/a	n/a	n/a	n/a

** Four tickets appeared to exceed their due dates by one day, but they were submitted on the last day of Last Call.

Evaluations (d)

Requests begin at the time the IANA Services Operator receives a notification of Evaluation from the IESG and ends with the IANA Services Operator 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	20
IANA Services processing goals met (before the telechat)	20/20 (100%)
Total open tickets	1

** For requests triggered by Conflict Reviews, the IANA Services Operator understands the due date to be the day before the telechat during which the document is to be

discussed, provided the telechat will take place at least one week from the day the request is received.

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 Processing Days	Description
n/a	n/a	n/a	n/a

Media (MIME) type requests (e, f)

The IANA Services Operator 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 "Media Types." The queue "iana-mime," however, was named prior to this change.

QUEUE: IANA-MIME	
Total closed tickets	18
IANA Services processing goals met (14 days or less)	18/18 (100%)
Highest total processing days	89
Highest total IANA Processing days	7
Average Expert days	15
Total open tickets	18
Highest total processing days to date	140
Highest total IANA Processing days to date	5

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 Processing Days	Description
OPEN	140	1	Five ISO/IEC JTC1 requests. Delay

			primarily on requester's part.
CLOSED	89	7	Delay on the part of experts and ADs. Standards tree organization question.
OPEN	72	1	Delay on the part of both expert and requester.

New Port number requests (g)

The IANA Services Operator 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	3
IANA Services processing goals met (14 days or less)	3/3 (100%)
Highest total processing days	60
Highest total IANA Processing days	3
Average total days	27
Average Expert days	2
Total open tickets	13
Highest total processing days to date	163
Highest total IANA Processing 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 Processing Days	Description
OPEN	163	1	Delay on the part of both expert and requester.
OPEN	77	1	Delay on expert's part.

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

The IANA Services Operator 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	7
IANA Services processing goals met (14 days or less)	7/7(100%)
Highest total processing days	14
Highest total IANA Processing days	3
Total open tickets	0
Highest total processing days to date	n/a
Highest total IANA Processing 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 Processing 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 the IANA Services Operator'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	147

Modifications to and/or deletions of PEN requests (j)

QUEUE: PEN-MODIFICATION	
Total PENs modified	26
Total PENs deleted	0

New TRIP ITAD Numbers (k)

The IANA Services Operator 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	2
IANA Services processing goals met (7 days or less)	2/2 (100%)
Highest total processing days	51
Highest total IANA Processing days	2
Total open tickets	0
Highest total processing days to date	n/a
Highest total IANA Processing 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 Processing Days	Description
n/a	n/a	n/a	n/a

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, the IANA Services Operator creates a separate queue for tracking those tickets.

QUEUE: MULTICAST	
Total closed tickets	4
IANA Services processing goals met (14 days or less)	4/4 (100%)
Highest total processing days	35
Highest total IANA Processing days	5
Average Expert days	7
Total open tickets	0

Highest total processing days to date	n/a
Highest total IANA Processing 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 Processing Days	Description
n/a	n/a	n/a	n/a

Note: The IANA-PROT-PARAM queue is for 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 require the first-come first-served policy, expert review, IESG approval or another review method. In the SLA, processing goals are determined by the type of request. However, for this queue there is no separation of request type.

QUEUE: IANA-PROT-PARAM	
Total closed tickets	11
IANA Services processing time goals met (see breakdown below)	11/11 (100%)
Highest total processing days	88
Highest total IANA Processing days	5
FCFS Completed within goal time (7 IANA Processing days or less)	1/1
Expert Review/Specification Required within goal time (14 IANA Processing days or less)	6/6
Early Allocation completed within goal time (14 IANA Processing days or less)	1/1
IESG Approval completed within goal time (14 IANA Processing days or less)	n/a
Admin closed/Withdrawn	3
Total open tickets	19
Highest total processing days to date	221
Highest total IANA Processing 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 Processing Days	Description
OPEN	221	1	Delay on the part of both expert and requester.
OPEN	141	1	Delay on the part of both expert and requester.
OPEN	139	2	Delay on expert's part.
OPEN	133	1	Out-of-band communication between expert and requester.
OPEN	127	2	Delay on expert's part.
OPEN	127	1	Delay on expert's part.
OPEN	127	1	Delay on the part of both expert and requester.
OPEN	99	1	Delay on expert's part.
OPEN	99	4	Delay on the part of both expert and requester.
OPEN	92	1	Delay on expert's part.
CLOSED	88	3	Delay on expert's part.
CLOSED	88	3	Delay on expert's part.

Deliverables

In accordance with the SLA, the IANA Services Operator is reporting on the following deliverables due within ten (10) months of implementation of the agreement for the reporting year 2019:

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 the IESG (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 three items that the IANA Services Operator 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 Protocol Parameter registries

The IANA Services Operator 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. The IANA Services Operator 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 October 2019, the IANA Services Operator cumulatively met 100% of the goal processing times over all requests.

Tickets closed on time	Tickets closed
108	108