

ICANN の技術政策情報に関する報告

JPNIC 大谷 亘 <alt@nic.ad.jp>

2024/07/25 第 70 回 ICANN 報告会



一般社団法人 日本ネットワークインフォメーションセンター



これまでの JPNIC の取り組み

- ICANNの技術政策情報の提供を始めます
- DNSSEC運用を鍵のライフサイクルから見る –OCTO-035の紹介–
- 各DNSSECアルゴリズムの使用状況 –OCTO-033の紹介–
- ルートサーバ運用者に期待されるサービス –RSSAC001v2の紹介–
- プライベート用途TLDについてのアドバイザリ -SAC113の紹介-
- インターネット資源の健康度を測る -ITHIのご紹介-
- ドメイン名の脅威情報を継続的にレポート -DAARのご紹介-
- COVID-19関連の悪意あるドメイン名をあぶり出す -DNSTICR ProjectとOCTO-028のご紹介-
- 個々のDNSルートサーバーで利用される名前構造は本当に最適か? – RSSAC028とStudy Reportのご紹介 –



新着記事ご紹介 -OCTO-037-

OCTO-037 RBL Evaluation Methodology

RBL: Reputation Block List 悪意あるコンテンツに利用されていると考えられる IP アドレス・ドメイン名・URL のリスト

- 商用・非商用など複数存在
- ISP やメールサービスのセキュリティに使用
- ICANN OCTO でも研究に使用
 - DAAR
 - ITHI
 - (Domain Metrica)



新着記事ご紹介 -OCTO-037-

評価方法の検討

RBL をどのように採用・利用すれば効果的にユーザを保護できるか？

- RBL 自体の特徴: 目的・仕組み・メタデータ・情報源
- RBL 自体には載っていない特徴: 収集範囲・項目の再評価・信頼性



新着記事ご紹介 -OCTO-037-

- 直接的指標
 - 量
 - オーバーラップ
 - 即時性
 - 更新頻度
- 間接的指標
 - 活発度
 - 精度
 - 正確性

OCTO で実際に複数の RBL を比較した分析やコードを掲載



新着記事ご紹介 -OCTO-037-

RBL の限界と補完性

- 一般論として、ある RBL が優れている/劣っているという**順位付けは難しい**
- 使用するプロジェクトでの**ニーズに適した特徴**を持っているかが重要
- 複数の RBL を補完的に使用するなど**目的にあった使い方**を


詳細は[ブログ記事](#)にて!

SSAC/RSSAC ドキュメントページが刷新

SSAC Publications

Security and Stability Advisory Committee (SSAC)

The SSAC is a volunteer group of specialists in the technical security field that provides advice and insight to the ICANN community and the Board.



SSAC Home ▾
SSAC Publications and Correspondence ▾
Technology @ ICANN
Community Home

SSAC Publications

The SSAC produces reports, correspondence, and comments on a range of topics. The SSAC undertakes ongoing risk analysis to identify a prioritized list of topics for SSAC work. However, the ICANN Board, Advisory Committees (ACs), Supporting Organizations (SOs) or other bodies within ICANN may request that the SSAC review, comment, or give feedback on a specific topic or issue at any time.

Reports are focused on providing information, recommendations, and advice on technical security, stability, and resiliency (SSR) issues to the ICANN Board, the ICANN community, and the broader internet community. They may investigate emerging or long-term issues or could be published in response to a security event or incident, where timely notification to the community is a priority concern. They may be informational without any findings or recommendations or they could contain specific recommendations for the ICANN Board or community, and if appropriate, organized according to the groups to which they are most applicable.

Correspondence comprises letters, comments, and other documents on administrative, community, and other non-SSR issues and are normally signed by the SSAC Chair. They may take the form of a letter or a response submitted to a public comment forum. They may present recommendations regarding the issue.

Comments are prepared in response to explicit questions posed to or requests made to the SSAC, or as a response to ICANN's public comment forum. Comments may be brief or long, depending on the issue and the extent to which the SSAC studies it.

A goal of the SSAC is to ensure that its work results in specific actions whenever possible. In order to measure progress towards this goal, the SSAC tracks any effects of each recommendation. For documents that contain recommendations for the ICANN Board, the [Board Action Request Register \(ARR\)](#) captures the information required to understand the status of advice and tracks it from when it is given through implementation.

Advanced Search

Publication Number

Category

Report Type

Start Date

End Date


[More Search Options](#) ▾

[Download results to .csv file](#) 1-20 of 130 results

RSSAC Publications

Root Server System Advisory Committee (RSSAC)

The RSSAC is a group of root server operators and specialists that provides insights and advice to the ICANN Board and community about the management of the Internet's Root Server System.



RSSAC Home ▾
RSSAC Caucus ▾
RSSAC Publications
Technology @ ICANN
Community Home

RSSAC Publications

The RSSAC may publish advisories, reports, and statements within its mandate of advising the ICANN community and Board as well as documents related to its own administration and work.

Advanced Search

Publication Number

Type

Date From

Date To

[More Search Options](#) ▾

[Download results to .csv file](#) 1-20 of 76 results

Document	Publication Number	Type	Date
RSSAC Operational Procedures (English) (PDF, 261.66 KB)	RSSAC 000v8	Procedures	15 Jan 2024
Service Expectations of Root Servers Operators (English) (PDF, 186.62 KB)	RSSAC 001v2	Advisory	1 Aug 2023



新着ドキュメント (2024 年)

- OCTO
 - [OCTO-038](#) Methodology to Classify Unsolicited Email Threats
- SSAC
 - [SAC124](#) SSAC Advice on Name Collision Analysis
 - [SAC125](#) SSAC Report on Registrar Nameserver Management
- RSSAC
 - [RSSAC000v8](#) RSSAC Operational Procedures



RSSAC Caucus での話題

- RSS Security Incident Reporting Work Party
- Guidelines for Changing Root Server Addresses Work Party



JANOG54 での活動

JANOG 54 meeting: 2024/07/03-05 @ 奈良市

- BoF 「若者エンジニアが知っておくべきインターネットの現実」
 - JPNIC 大谷が ICANN を含めた標準化・国際調整活動について紹介
- セッション 「メールアドレスの日本語対応を始めよう！～ユニバーサル・アクセプタンス～」
 - ICANN Foo 氏・JAPIA 立石氏が UA について紹介・議論
 - 関連した BoF も開催