# Proposed performance monitoring measurements of KSK for CSC Consideration

The Root Key Signing Key (KSK) ceremony is performed four times a year involving Trusted Community Representatives (TCRs). Conducting a KSK ceremony requires that a number of tasks are completed within a defined timeframe.

IANA proposes that the following key performance indicators (KPI’s) be tracked for performance monitoring and reporting:

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| **Measurement** | **Description** | **Threshold** | **Measurement criteria** |
| KSK ceremony Performed | Successful execution of the ceremony no later than **33 days** prior to signature expiration | 100% |  |
| Ceremony materials | Publication of post-ceremony materials on IANA website for the community within **30 days** of ceremony completion. | 100% |  |
| Security and chain of custody | Maintained security and chain of custody on all critical assets for the Root KSK as defined in the DNSSEC Practice Statement | Yes | This is a pass/fail metric.  It is assessed through proof of posting the annotated scripts from the ceremonies along with camera audit footage to prove the chain of custody was verified and has been maintained. All of the equipment is checked every ceremony per location. |
| Participant debrief | Review ceremony conduct with participants to gather input and suggestions for future consideration within **7 days** of ceremony completion. | Yes | This is a pass/fail metric. It is assessed by confirming that a debrief with the participants is held after each KSK ceremony to gather input and suggestions. |
| Independent auditor certification | Obtain an unqualified opinion on the security control framework from an independent auditor | Pass | This is a pass/fail metric. The audit is completed by a third party audit firm. |
| TCR engagement survey[[1]](#footnote-1) | Conduct an annual survey of the TCRs to gather overall input about IANA’s management of the KSK process. | Yes | This is included in IANA’s annual customer engagement survey to all of its customers but there will be a segment dedicated to TCRs. |

1. Engagement survey is an annual event. [↑](#footnote-ref-1)