# Proposal for a SCION Working Group

BoF at RIPE82

**Date:** 17 May 2021, 17:30 - 18:30 CET

**Location:** The session will take place as a virtual meeting using Meetecho. To receive your unique link, please register to RIPE82. Alternatively, you can follow the session on YouTube.

**Registration:** The RIPE82 meeting is open to all and free. Please register here: https://ripe82.ripe.net/attend/register/

**Abstract:** SCION is a clean-slate Internet architecture designed to provide route control, failure isolation, and explicit trust information for end-to-end communication. Following-up on the first SCION BoF session during RIPE81, the aim of this BoF is to discuss the proposed charter and goals for a RIPE Working Group on SCION.

**Description:** SCION (Scalability, Control, and Isolation on Next-Generation Networks) is the first clean-slate Internet architecture designed to fundamentally solve many security issues of today's Internet through route control, failure isolation, and explicit trust information for end-to-end communication. The core architectural principles of SCION have been introduced at the first SCION BoF during RIPE81 [1] with the goal to discuss the potential role of RIRs and LIRs in the SCION architecture, as summarized in a RIPE Labs blog article [3]. To this end, the first BoF addressed whether RIRs should assist with the establishment of SCION ISDs and hand out SCION AS numbers, and if RIRs should take on a similar role as in RPKI in terms of issuing SCION AS certificates.

Following up on the momentum created by the first SCION BoF which was attended by over 80 participants, the aim is to establish a SCION Working Group at RIPE. Now, the goal of the second SCION BoF is to discuss the proposed charter [2] and goals for such a working group with the aim to collect feedback and suggestions on the planned deliverables and timeline, as well as the proposed WG organisation (type of meetings, chair selection scheme, etc.)

[1] David Hausheer, Victor Reijs, Adrian Perrig: *The Role of RIRs and LIRs in SCION*. BoF at RIPE81, 26 October 2020. https://ripe81.ripe.net/programme/meeting-plan/bof/#mon11

[2] SCION RIPE WG Charter (Draft), https://ripe82.ripe.net/wp-content/uploads/presentations/10-SCION-RIPE-WG-Charter.pdf

[3] David Hausheer: *SCION - A Novel Internet Architecture*, RIPE Labs, 17 May 2021. https://labs.ripe.net/author/hausheer/scion-a-novel-internet-architecture/

**Session Agenda**

David Hausheer (OVGU Magdeburg): Welcome and Introduction (5min)

Samuel Hitz (Anapaya): SCION ISD Registration, AS Numbers, and Certificates (10min)

Fritz Steinmann (SIX): SCION Challenges and Risks for Certificate Issuing and AS Number Assignment on the Example of the Secure Swiss Finance Network (SSFN) (5min)

BoF Discussion: SCION RIPE WG Charter and Goals (40min)

      Moderators: David Hausheer, Adrian Perrig, Stavros Konstantaras
      Secretary: Caspar Schutijser

      Participants:

- Jeroen van de Lagemaat (NDIX)
- Caspar Schutijser / Joeri de Ruiter (SIDN Labs)
- Stavros Konstantaras / Steven Bakker (AMS-IX)
- Fritz Steinmann (SIX)
- Samuel Hitz (Anapaya)
- Simon Leinen (SWITCH)
- Marijke Kaat / Ronald van der Pol (SURF)
- Daniel Kopp (DE-CIX)
- Adrian Perrig (ETHZ)
- David Hausheer (OVGU Magdeburg)