

## **Using RIPE NCC Software for the Purposes of the Resource Public Key Infrastructure (RPKI) Certification**

### **Introduction**

An extension of the PKI technology architecture is being developed by the IETF with active participation of the Regional Internet Registries (RIRs) for the certification of Internet number resources. This extension is referred to as RPKI and used by the RIRs within their service regions.

The RIPE NCC has created software modules for the purpose of RPKI Certification within its region and intends to share these modules with the other RIRs.

The RIRs acknowledge the advantage of coordinating with each other to further develop the Software. For this purpose, the RIPE NCC aims to develop and support an open source community by making the source code available to other RIRs under open source principles (BSD License).

### **Open source community**

The RIPE NCC will manage the source code of the Software and make it available to joining RIRs so that they are able to use and/or modify the source code. Joining RIRs shall be allowed to copy and modify the source code under the open- source principles of the standard BSD license.

Any modifications to the source code made by joining RIRs must be available for use to the RIPE NCC under the open- source principles of the standard BSD license.

(signatures)



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A handwritten signature consisting of two parts: a stylized, loopy initial 'R' at the top, and a more complex, scribbled signature below it.

**Support Agreement**

RIPE NCC will support the distribution, maintenance and further development of the Software. As a financial compensation and to support the effort, the joining RIRs will donate a certain amount of money.

**Distribution**

We will make the Software available for download regularly, basically whenever new features and bug fixes of general importance are implemented.

**Maintenance** Joining RIRs can report bugs and suggest enhancements on the mailing list ([rpki@ripe.net](mailto:rpki@ripe.net)).

**Further development** Joining RIRs can modify the downloaded code on their own account, but also propose new features or modules to the RIPE NCC Software on the mailing list ([rpki@ripe.net](mailto:rpki@ripe.net)).

The receipt of such proposals by the RIPE NCC does not equate to a commitment of an actual implementation. Actual implementation of such proposals depends on a number of conditions (such as priority and usability of a feature for all joining RIRs).



**Software Modules**  
provided by the RIPE NCC

type	module
overhead	access to releases
	monitoring
general	certification-commons
production-rpki	certification-war
	certification-services-impl
	certification-services
	certification-ripenc
trust anchor	ta-ca
	ta-api
	ta-ra
validation tool	certification-validator
up-down support	future: up-down-commons
	future: certification-core-up-down-int
	future: ta-up-down-int

