



4 November 2017

Internet Society Board of Trustees
Gonzalo Camarillo, Board Chair
Kathryn Brown, President and CEO
1775 Wiehle Ave
Reston, VA 20190

Dear Trustee:

In 2013, the CrypTech Project set out to build an open source hardware and software crypto engine for use in Internet infrastructure and applications. Because it is open source, we believe it can be made very affordably for use in many diverse applications to make the Internet more secure. In 2016, CrypTech delivered a working alpha board for a hardware security module (HSM) with a primary target of use in DNSSEC signing operations. This alpha board can be used as a baseline for the development of commodity HSMs supporting a range of applications including DNSSEC.

The CrypTech design is unique to the market because it is transparently developed allowing inspection of processes, code and configuration. The logical next step for CrypTech is to have one or more commercial products built from the core CrypTech technology. To do this, the CrypTech technology must be commercialized. Leading up to the release of the alpha board, we spoke with several TLD operators who told us that they are very supportive of the project and very interested in using a product built on CrypTech technology. At the same time, they need commercial support for a product in order to deploy it in their environment. These operators are not prepared to devote engineering resources to mature a prototype project into production hardware.

The CrypTech Project has several supporters in the Internet Technical Community who have contributed the resources to bring it to its current state. Supporters who have contributed at least \$25,000 include Google, Cisco, Public Interest Registry, Comcast, ICANN, RIPE, Internet Society, Surfnet, Afiliac, IIS, Afnic, and DuckDuckGo (listed in order of amount of contribution). By charter, contributions cannot exceed \$100,000 per year. As of October 2017, we've received \$1,621,508 (USD) and spent approximately \$1.5 million dollars on CrypTech development. The CrypTech Project is grateful for this support from the community, but we recognize that for ongoing development of CrypTech requires a sustainable revenue stream.

We believe Diamond Key Security has a strategy to help solve both these problems. Diamond Key has a plan both to build a commercial offering on the CrypTech technology and to produce

a sustainable revenue stream for ongoing development of open source crypto technology in the CrypTech project. They have established a not-for-profit business that aligns with the CrypTech goals of building open source transparent hardware and software for crypto applications throughout the Internet.

We are working closely with Diamond Key Security to support their efforts as it is tightly linked to our future funding and sustainability plans. We view Diamond Key Security as a strategic partner that is vital for continuing to align CrypTech technology with broad market places and productizing and launching CrypTech-based solutions. We appreciate the Internet Society's support for the initial establishment of Diamond Key Security. Additionally, we hope that the Internet Society will continue to support and fund Diamond Key Security.

Regards,

Stephen Farrell
Russ Housley
Leif Johansson
on behalf of the CrypTech Project Team

Cc: Kevin Cramer