

Peer Review

The ZRTP protocol has been extensively peer reviewed since it's first specifications published in 2006.

In this page we would like to collect the most relevant analysis that have been done in evaluating and auditing ZRTP protocol.

If you know other papers referring ZRTP please write us to include it to the list.

Formal verification proving the security of ZRTP DH mode	The ZRTP Protocol - Analysis of the Diffie-Hellman mode	Riccardo Bresciani Trinity College, Dublin, Ireland
An evaluation of ZRTP protocol showing resistance to most cryptographic attacks	ZRTP Protocol - Security Considerations	Riccardo Bresciani Ecole Normale Supérieure De Cachan, France
Independent forensics analysis on how ZRTP secure voice communications	Forensics Analysis of zFone and ZRTP	Detica, Information Intelligence London, UK
Coverage of possible attack scenarios if authentication is not properly managed	Security and Usability Aspects of Man-In-The-Middle attacks in ZRTP	Telecommunication Research Group University of Vienna, Austria
Research by Nokia showing how to apply ZRTP for securing Mobile communications	Peer to Peer Security for Mobile Real-Time Communications with ZRTP	Nokia Research Center, Finland
Analysis on the residual performance impact on using VoIP with signaling and voice encryption	VoIP Networks Performance Analysis with Encryption Systems	GISSIC Investigation Group, Military University Nueva Granada, Bogotá, Colombia
A lot of useful information about ZRTP, it's feature and how it does compare with other security protocols.	zFone FAQ	Philip Zimmermann, San Francisco, USA
An in depth overview of major Voice Encryption protocols including ZRTP	Major Voice Security protocol Review	Fabio Pietrosanti, Milan, Italy
Early papers showing zFone capabilities in encrypting voice communications with ZRTP protocol	zFone: A new approach for securing voice communications	Samuel Sotillo, East Carolina University, USA
Early papers evaluating different weakness in VoIP protocols, explaining various risk mitigations with ZRTP prptocol	Information Security Issues in Voice over Internet Protocol	Jonathan Clark, School of Electrical Engineering, Georgia Institute of Technology, USA