A GENERIC CIPHERTEXT FORMAT

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Intuit

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GENERIC CIPHERTEXT FORMAT

There are standards for ”raw ciphertext”, the direct result of encryption

This is not sufficient if you have trillions of ciphertexts, stored at rest

Long term goal: interoperability of encryption libraries and key management systems

Standard format to denote key identity, key version…

Must be extensible

Allows automated detection and attribution of ciphertext

Supports granular key management: key wrapping and key derivation

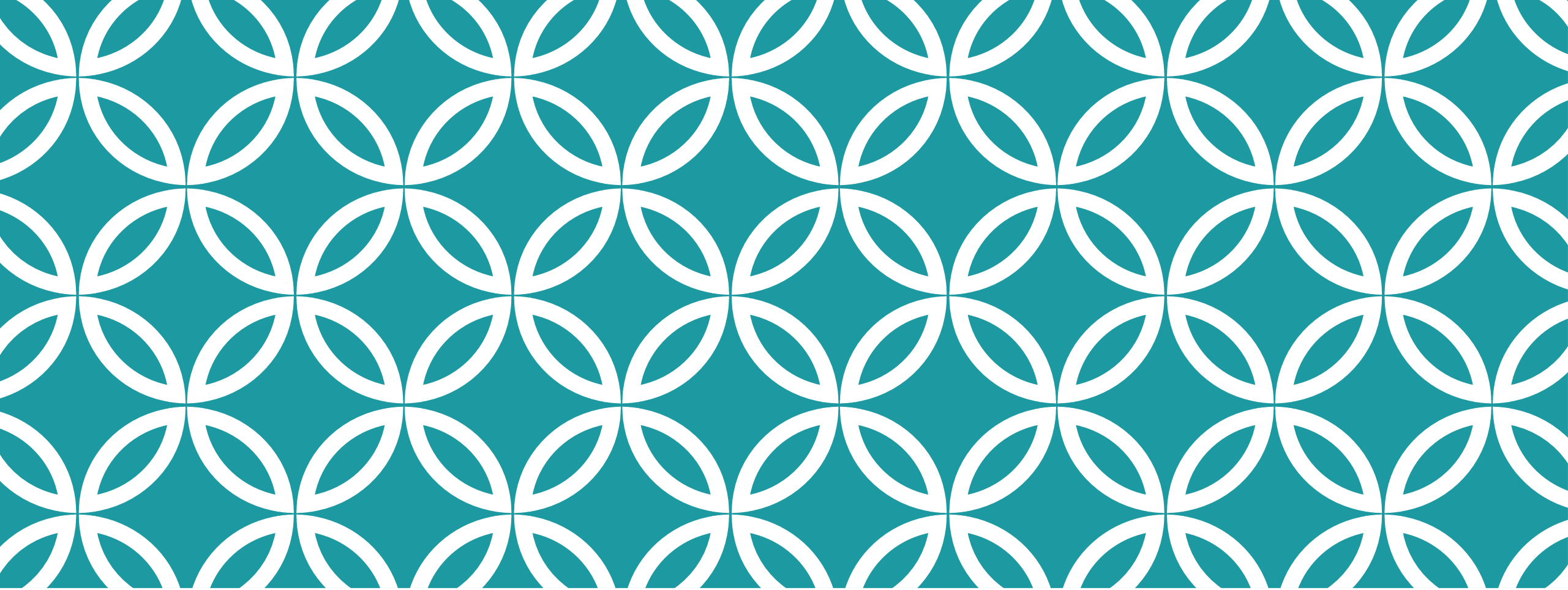
Early draft here

NEXT STEPS

If you’re interested, let me know: yaronf.ietf@gmail.com

Meet informally at IETF-109

Then BoF, or submission to SAAG, or CFRG, or…



THANK YOU!

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