

Zukünftige Möglichkeiten der VoIPTechnologie: Is VoIP-Spam (SPIT) a hazard for the SIP business?

Frankfurt, October 2004





snom

2

Three categories of SIP Spam

- •Call Spam
- •Instant Message Spam
- Presence Spam

The majority of the information's in this presentation is based on the IETF draft: "SIP and Spam" (draft-rosenberg-sipping-spam-00)





3

Comparing telemarketing with SPIT

For 10 seconds commercial	PSTN telemarketing (T1 line)	SPIT (500Kbps uplink)
Simultaneous calls	24	90
Call attempts per second	2.4	62
Costs per (successful) call	250 000 microcents	215 microcents

SPIT will become a problem!





4

Possible solutions I

Content Filtering

How to filter something which is not delivered yet?

Black & White Lists

Black: Infinite address/domain space. White: Initial communication problem.

Consent-Based Communication

Combine with SIP Presence and B&W lists.

How avoid "Consent Congestion" (no content)?



Sn()m The SIP Experts 5

Possible solutions II

Touring Tests

Can be extended for multimedia.

•Computational Puzzle

Today's devices are too different.

•Legal Action

Probably their will always be "open" countries and open relays.

Payment at Risk

Missing mircopayment solutions.



Sn()m

6

Possible solutions III

•Trust Circle

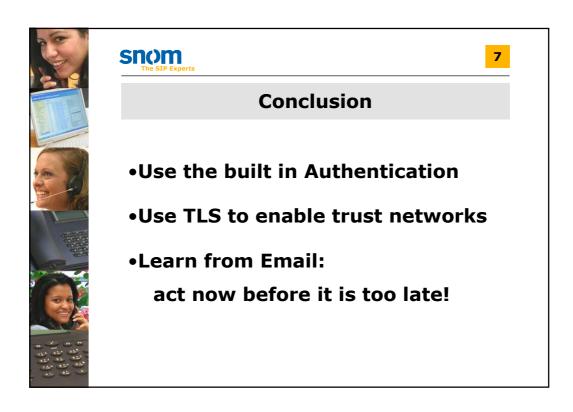
Does it scale?

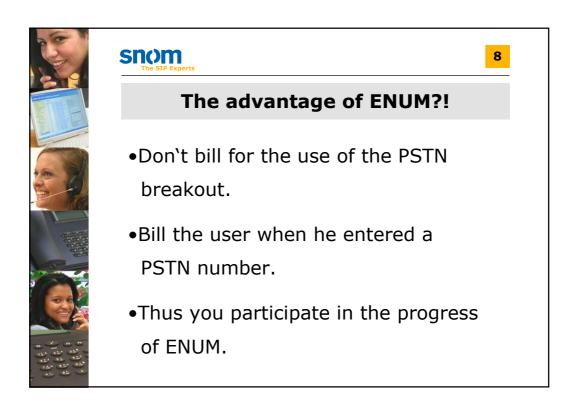
VoIP Clearinghouses

A centralized (monopolistic) approach.

Sender Checks

No advantage, because TLS and certificates provide a better trust model.







© 2004 snom technology Aktiengesellschaft

Written by: Nils Ohlmeier no@snom.com Version: 1.1

sip:info@snom.com

The author has made his best effort to prepare this document. The content is based upon latest information whenever possible. The author makes no representation or warranties of any kind with regard to the completeness or accuracy of the contents herein and accept no liability of any kind including but not limited to performance, merchantability, fitness for any particular purpose, or any losses or damages of any kind caused or alleged to be caused directly or indirectly from this document.

For more information, mail info@snom.de, Pascalstr. 10B, 10587 Berlin, Germany.

