

Trend on Spam-Mail Countermeasure of Korea, China and Japan

(S.Y. Park)
 (B.N. Lee)
 (W. Park)
 (S.G. Kang)

I.

2004 7
 170
 25%
 (commercial)
 (unsolicited)
 (bulk)
 13.51%
 IP

Spamhaus Project

< 1> The Volume of Spam Email Originated Primarily from Each Country(2004) (:%)

가	4	5	6	7
	60.50	57.90	55.69	45.84
	4.90	8.95	10.23	13.51
	6.20	6.90	6.60	9.21
	2.90	3.09	3.35	3.80
	1.70	1.88	3.03	3.26
	4.30	3.14	3.08	3.25
	1.20	2.12	2.46	2.83
	1.70	1.74	1.80	1.80

Commtouch 가

< >: <http://www.commtouch.com/news/index.2004.shtml>

< 2> Top 10 Worst Spam -Haven ISPs

No.	ISP	가
1	MCI(mci.com)	
2	SAVVIS Communications(savvis.net)	
3	KT(kornet.net)	
4	China Telecom Chongqing Province Network	
5	China Telecom Guangdong Province Network	
6	AboveNet(above.net)	
7	Comcast Cable Communications (comcast.net)	
8	Level 3 Communications(level3.net)	
9	(hanaro.com)	
10	Verizon Online(verizon.net)	

< >: SBL(Spamhaus Block List) database(2004. 7.)

ISP' KT
 ISP 3, 9
 ISP IP
 가
 가 가 . 4
 5
 (< 2>) [2].

II.

1.

가.

2001 1 가 4.7
 2003 5 1 가 50
 , 63%

< 3>

	2001	2002	2003 3	2003 11	2004 2
Total Spam	4.7	34.9	50.0	29.1	27.9
Illegal Contents	0.9 (19%)	21.3 (61%)	31.5 (63%)	8.4 (29%)	9.9 (35%)

< >: KISA

Opt-out¹⁾
 가 2004 2
 1 27.9
 ,
 35% (< 3>).

2003 1 3,810
 , 24 17 1
 [3].

가
 1999 Opt-out

< 4>

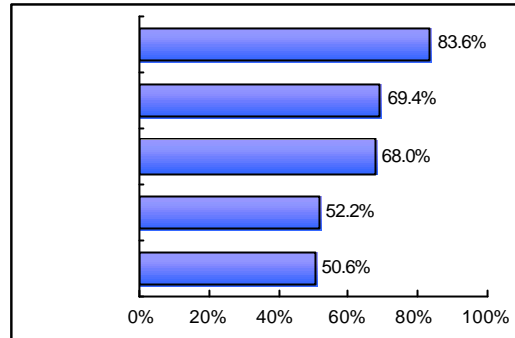
1) out() Opt-in() Opt-in
 가
 가
 가 . Opt-out

< 4>

1999 2	• Opt-out
2001 1	• (labeling) - ' ()' - 1999 2 ' ()'
2001 7	• ' '
2002 1	• (400)
2002 6	• 가 - ESP, ISP 가 가
2002 7	• ' ' ' ~ ; 廣告' - ' ()' ()' - ()'
2002 12	• - - 500 1,000
2003 12	• - 가 1,000 3,000 • , • ,
2004 2	• -
(2004 8)	• , 1,000 ' ,

, 가 , , . 2003
10
(NOIE) (ACA)
2 3 (MOU)
SpamCop, NeverSpam,
Spam Catcher . OECD
. 2005 Spam EDG(Electronic Discussion Group)
가 , ,
2004 9 " 2 Work-

shop on Spam” . APEC
 ECSCG(Electronic Commerce Steering Group)
 Telecommunication & Information WG
 . , 27
 U.S. FTC²⁾ ‘Operation Secure Your Server’
 [3].



< >: LI Yuxiao, Anti-Spam in China

(1)

2.
 가.

2003 7 , 가 1
 7.2 , 8.9
 55.3% . 2004
 1 5.8 , 7.9
 57.7% 가 .
 8 , 가
 88.4%가

60~
 80% ISP ,
 470
 15 ,
 48
 1) [4].

(Internet Society of China)
 (Anti-Spam Coordination Team:
 ASCT)

83.6% 가 가 .
 1994 가
 10 . 2004
 가 8 1997
 10 130 가
 가 3
 . CNNIC
 1 1.4~1.5
 2003 가 1 2
 1,500 . SINA,
 SOHU, NETEASE, TOM

2) D.S. Federal Trade Commission,
 3) 2004 8 1 140

2 4 .

가 , ? , ? , ? 가 , ? 가 . ASCT (industry association) 가 < 5>

2003 8

가 IP 가 , ASCT

[4]

1) 2003 8 2004 , TV 500 가 , ISP

2002 11 ASCT . ASCT

, China Telecom, China Unicom, CNC, China Mobile, CERNET, SINA, NETEASE, SOHU, TOM 42 ISP 가 . ASCT (information sharing) (action consistency) 26.2% 가 2004 1 가

, ? , ? 2 가

, ?

< 5>

2002 3	• ISC,
2002 11	• ISC, ASCT
2002 ~ 2003	•
2003 6	• open-relay ASCT ISC
2003 8	• IP China
2003 11	• IP ? 2
2004 2	• IP ? 3

2) , 70%가 1 1
 , 17% 1 10
 2000 5 , 'Beijing Commerce and Industry
 Bureau'
 , 50% 가
 'Info Plant'가 10
 1200
 2003 12 2004 1
 2003 5 , 'Public Security of Guangdong
 Province'
 , 59.1% 가
 ; SOHO
 DVD
 3
 가
 3) .
 2000 8 , China Telecom 'The Measure
 for Dealing with Spam'
 . 2002
 5 , CERNET 'Administration Regulation for
 Preventing Spam'
 URL 24.6%,
 21.9%
 가
 가 가
 3 30%
 가
 4~10 , 20.8%, 가
 , 60~85% 14.3%,
 가 [3]. 6.3%

3.
 가. [5]
 2004 2 12 Symantec 2002
 7

() . ' ! ! ' ') ()

1) 가 (Opt-out)

, PC 가 out) (Opt-out)

가 , 90%가 < > ; < >

2002 4) ()

12 ' , 2002 7 1 . , ' 2) Opt-out

11 , 2002 7 1 가 < 6>

[6],[7]. , (' ') , () ()

가 . , , 2003 10 9 ,

가 . , ! ! , ! 가 , 2003

!가 . 11 13 ' < 6> ' ,

	?	?
	?	?
	? (' ')	? (' ')
	?	?
	? 2 300	? 50
	? 3	? ISP 가 가
	?) (' ')	? ISP 가 가
	? 2002 7	? 2002 7

[8].

III.

• • 3

가

• • 3

가

가

가

[1] <http://www.commtouch.com/news/index.2004.shtml>

[2] SBL(Spamhaus Block List) database, 2004. 7.

[3] , "Anti-Spam Activities in Korea," 2004. 3. 17.

[4] LI Yuxiao, "Anti-Spam in China," 2004. 3. 17.

[5] Symantec, <http://www.symantec.co.jp>

[6] , "

," 2004. 3. 10.

[7] , "
(2002 26)," 2002. 4. 17.

[8] , "
," 2003. 11. 13.