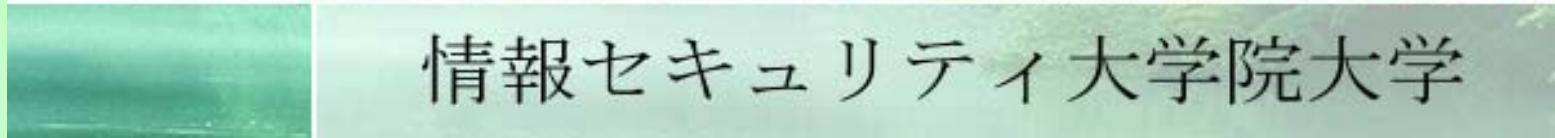




ネットワークという巨大な生命を育む、次世代の情報セキュリティへ。



情報セキュリティ大学院大学

4th Japan & US Computer Crime & Security Survey

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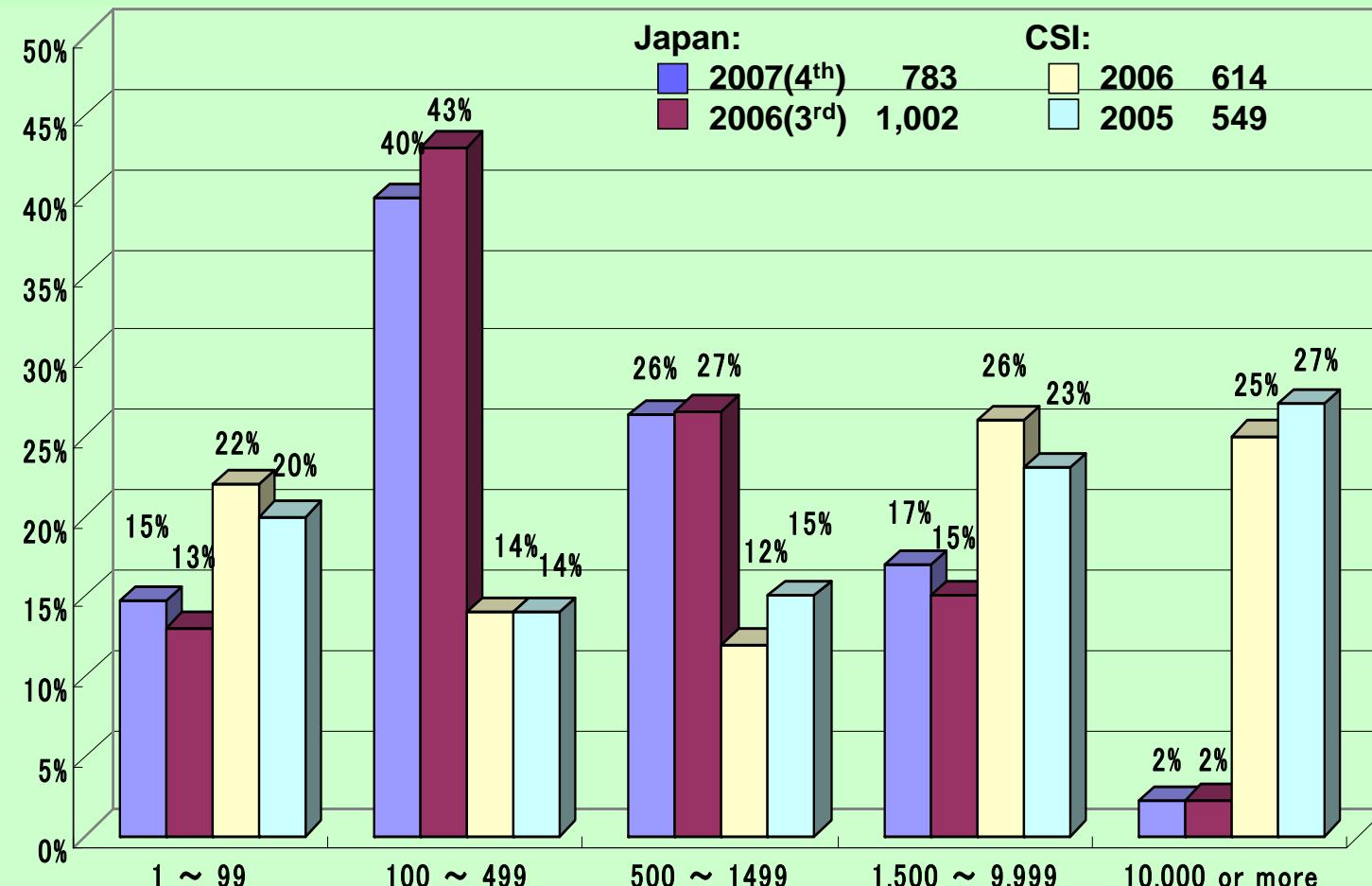


INSTITUTE of INFORMATION SECURITY

Graduate School of Information Security

of Information Security (Japan)

Respondents by Number of Employees



Katusya Uchida, Ph. D. Professor, Institute of Information Security (Japan)

Respondents by Industry Sector

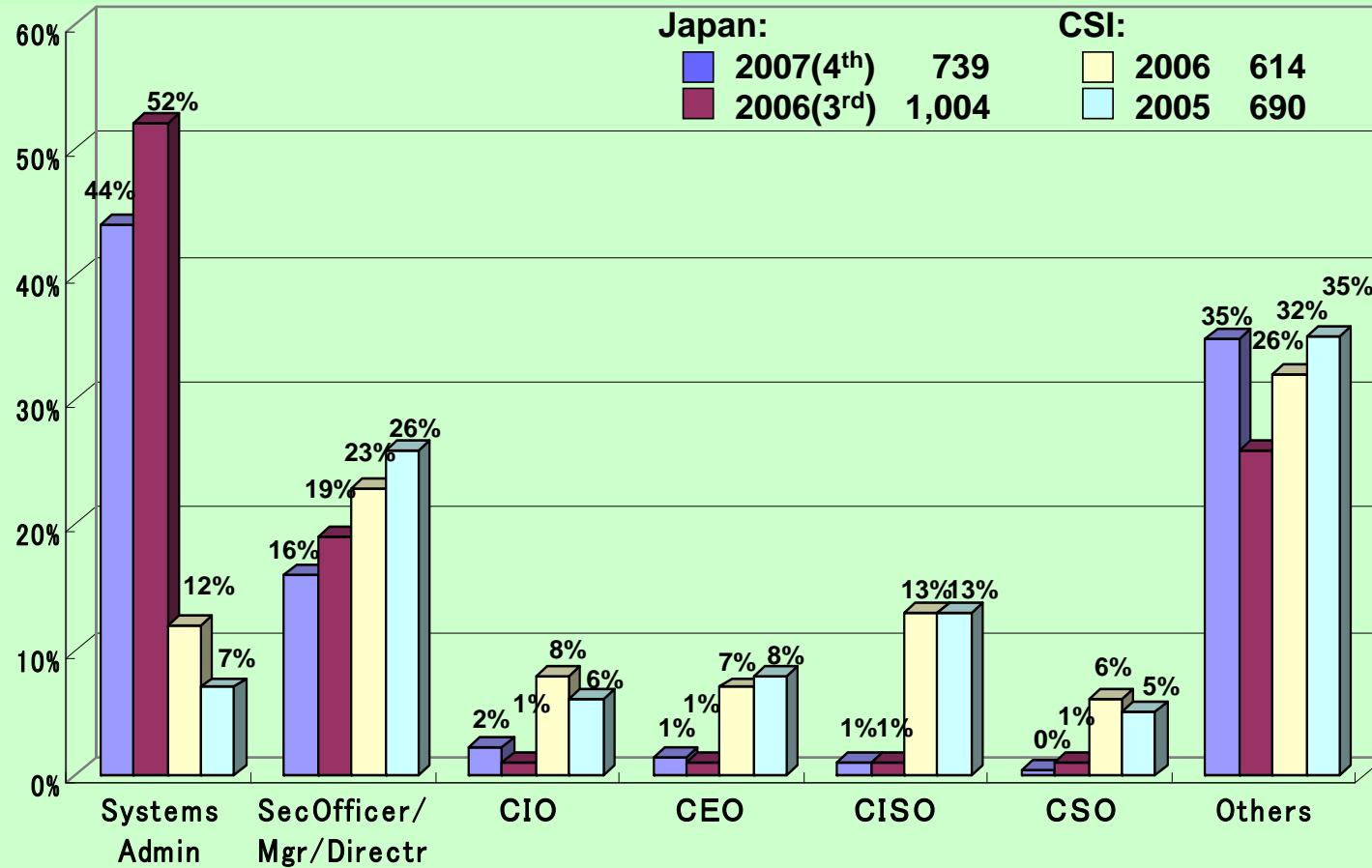
C S I			JAPAN		
Industry Sector	2006	2005	Industry Sector	2007	2006
Financial	17%	17%	Manufacturing	27%	34%
High-Tech/Info. Tech	11%	15%	Retail	15%	14%
Manufacturing	9%	9%	Educational	13%	12%
Federal Government	8%	9%	Government	13%	5%
Medical	7%	7%	Construction	7%	8%
Educational	8%	6%	Telecommunication	7%	7%
State Government	3%	5%	Complex retail	3%	5%
Telecommunication	4%	4%	Transportation	3%	3%
Utilities	3%	4%	Financial	3%	2%
Local Government	3%	2%	Real estate	2%	2%
Transportation	1%	1%	Food / Hotel	1%	1%
Retail	1%	1%	Medical / Welfare	1%	1%
Legal	1%	1%	High-tech	1%	1%
Consulting	14%	-	Utilities	0%	0%
Others	11%	19%	Others	6%	6%

Respondents: CSI: 2006=615, 2005= 699

Japan: 2007=782, 2006=1,004

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Respondents by Job Description

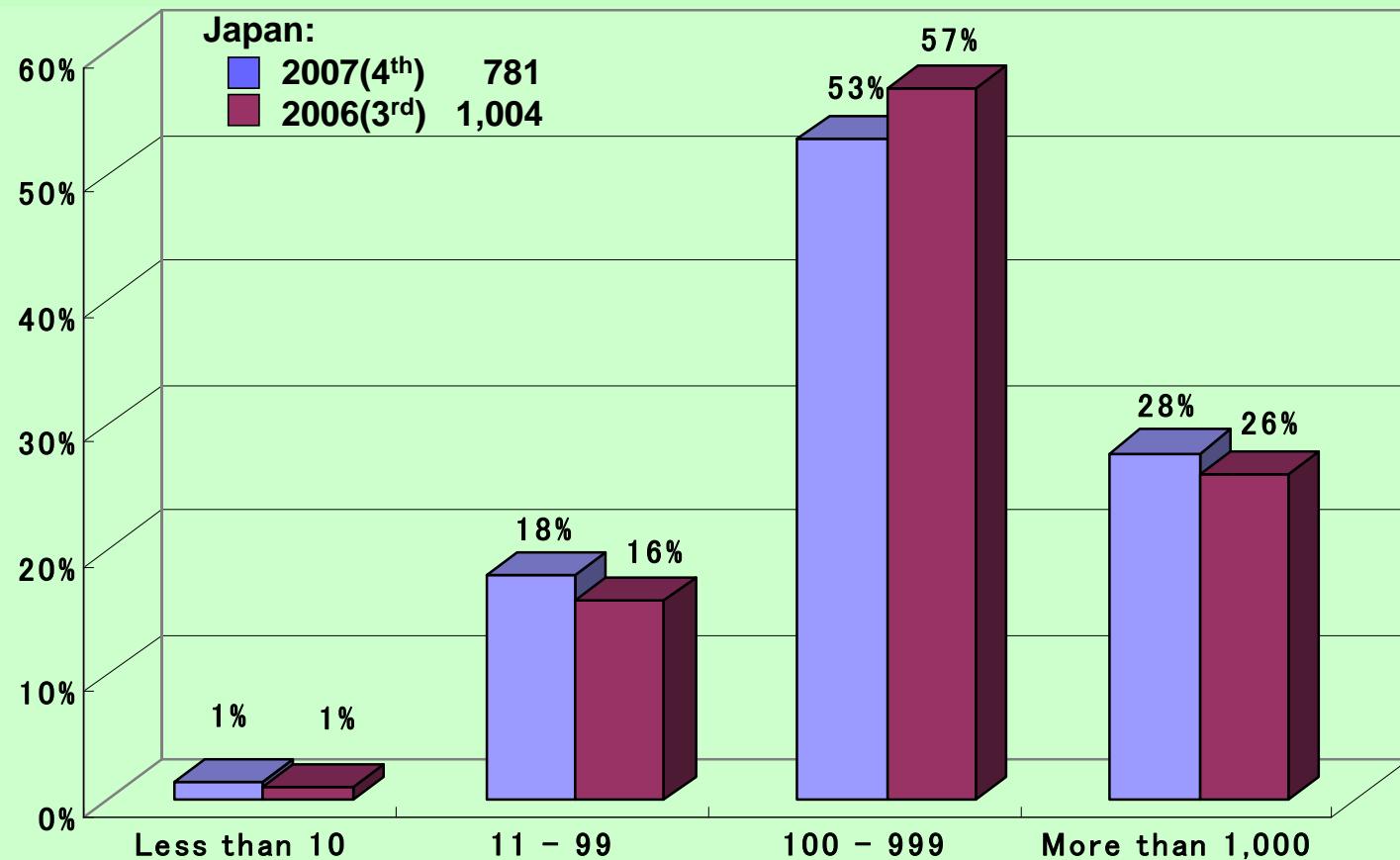


Respondents: CSI: 2006=615, 2005= 690

Japan: 2007=739, 2006=1,004

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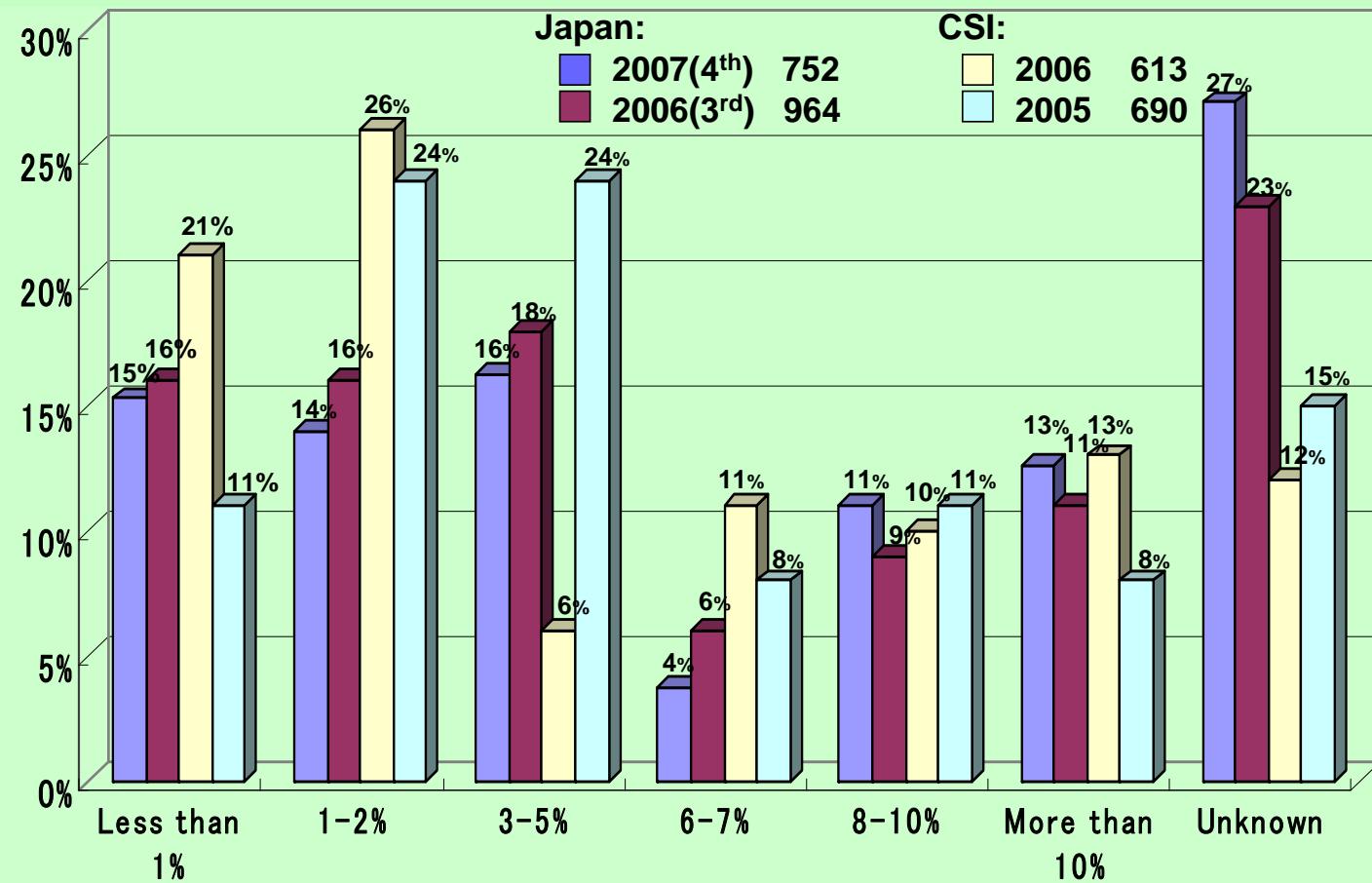
Number of PCs



Respondents: Japan: 2007=781 2006=1,004

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Percentage of IT Budget Spent on Security



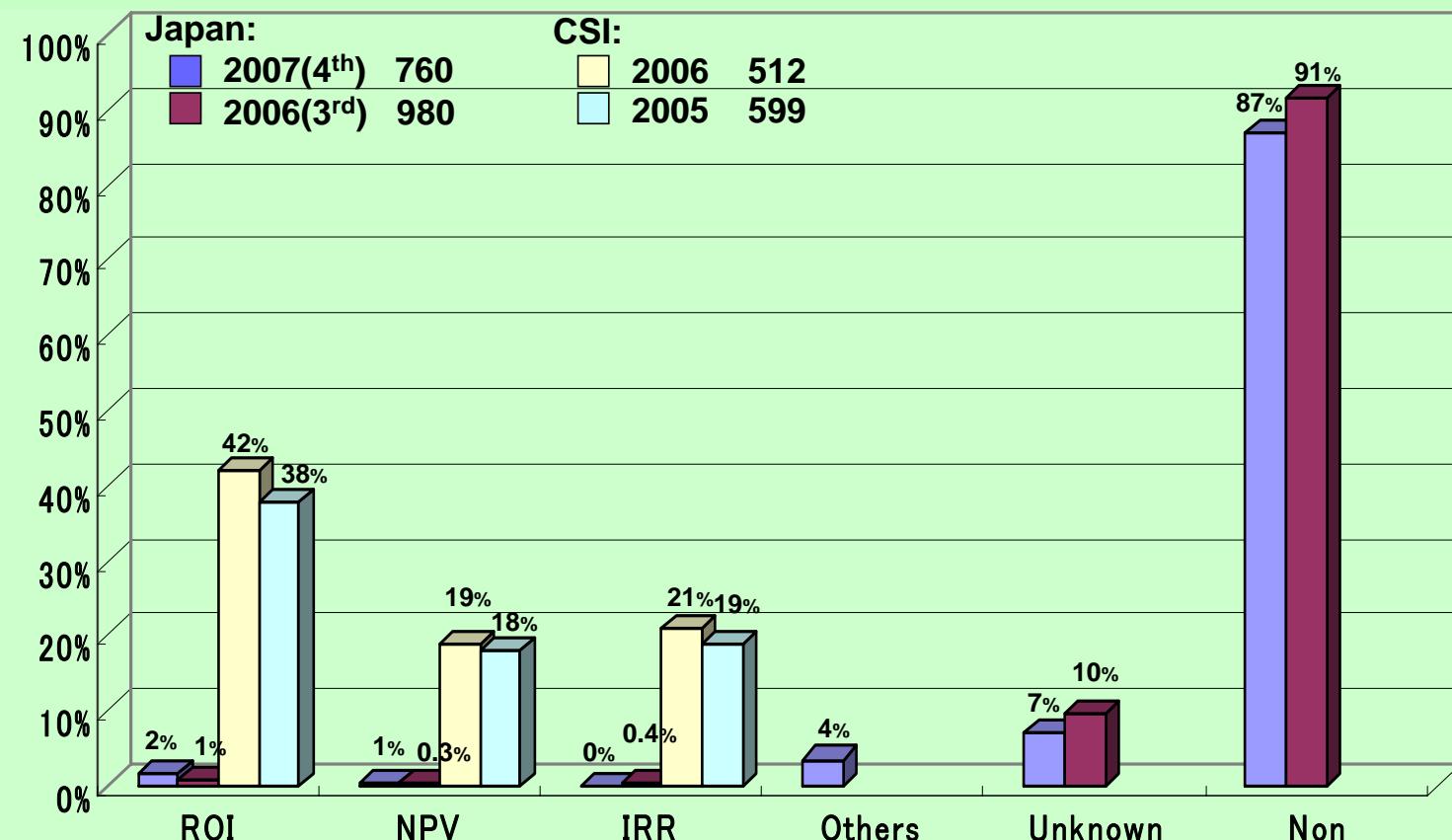
Respondents:

CSI: 2006=613, 2005= 690

Japan: 2007=752, 2006=964

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Percentage of Organizations Using ROI, NPV and IRR Metrics



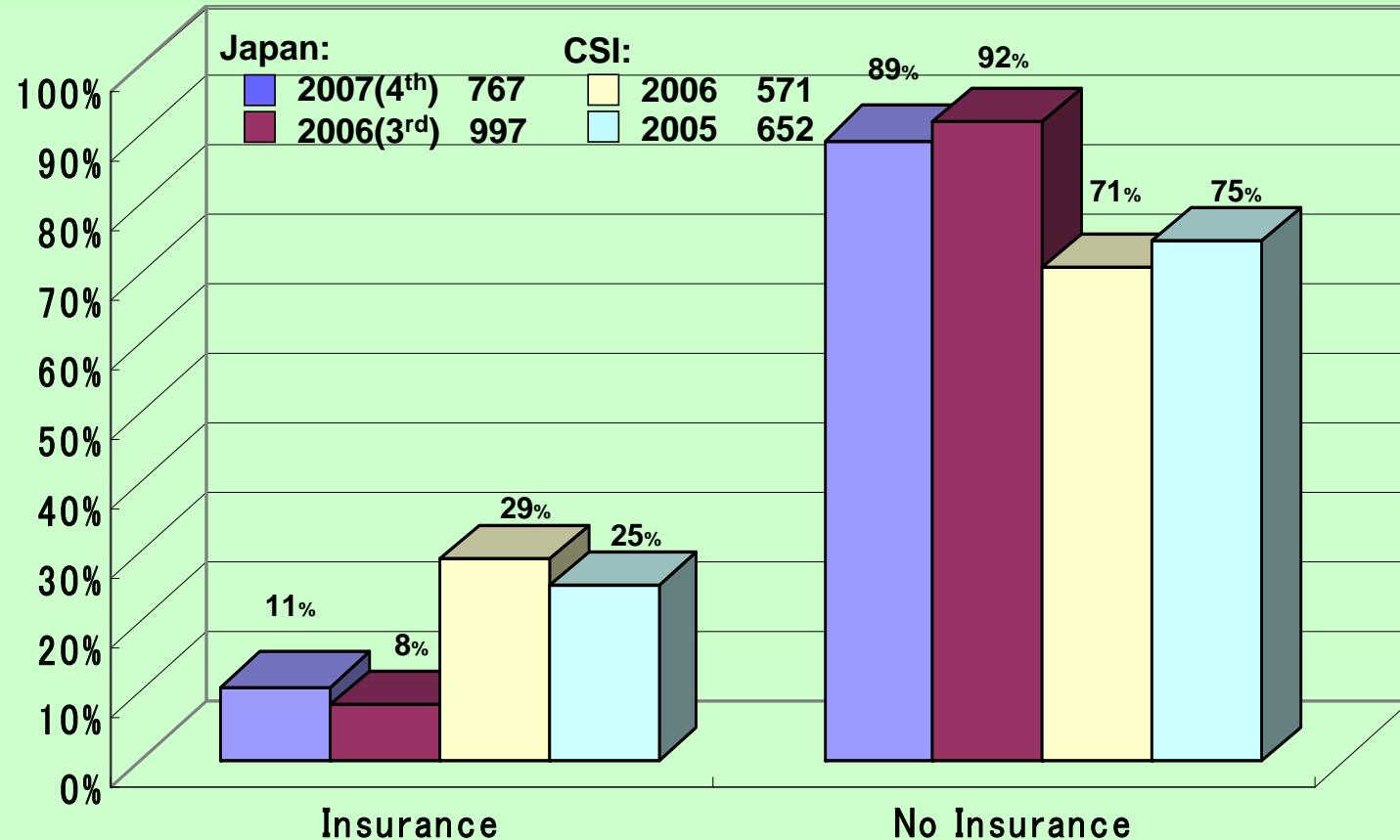
Respondents:

CSI: 2006=512, 2005= 599

Japan: 2007=760, 2006=980

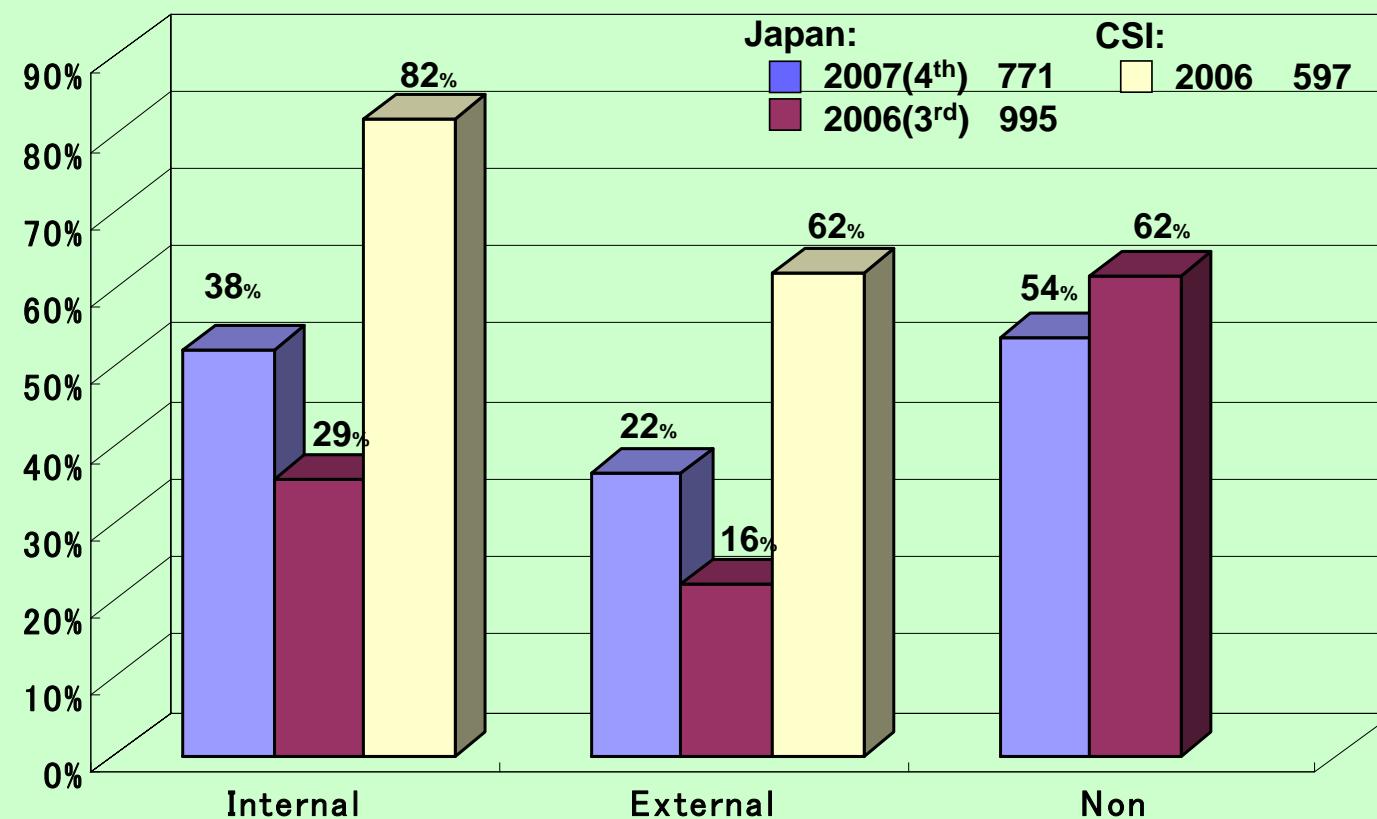
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Organizations with External Insurance Against Cybersecurity Risks



Katusya Uchida, Ph. D. Professor, Institute of Information Security (Japan)

Organizations Conducting Security Audits

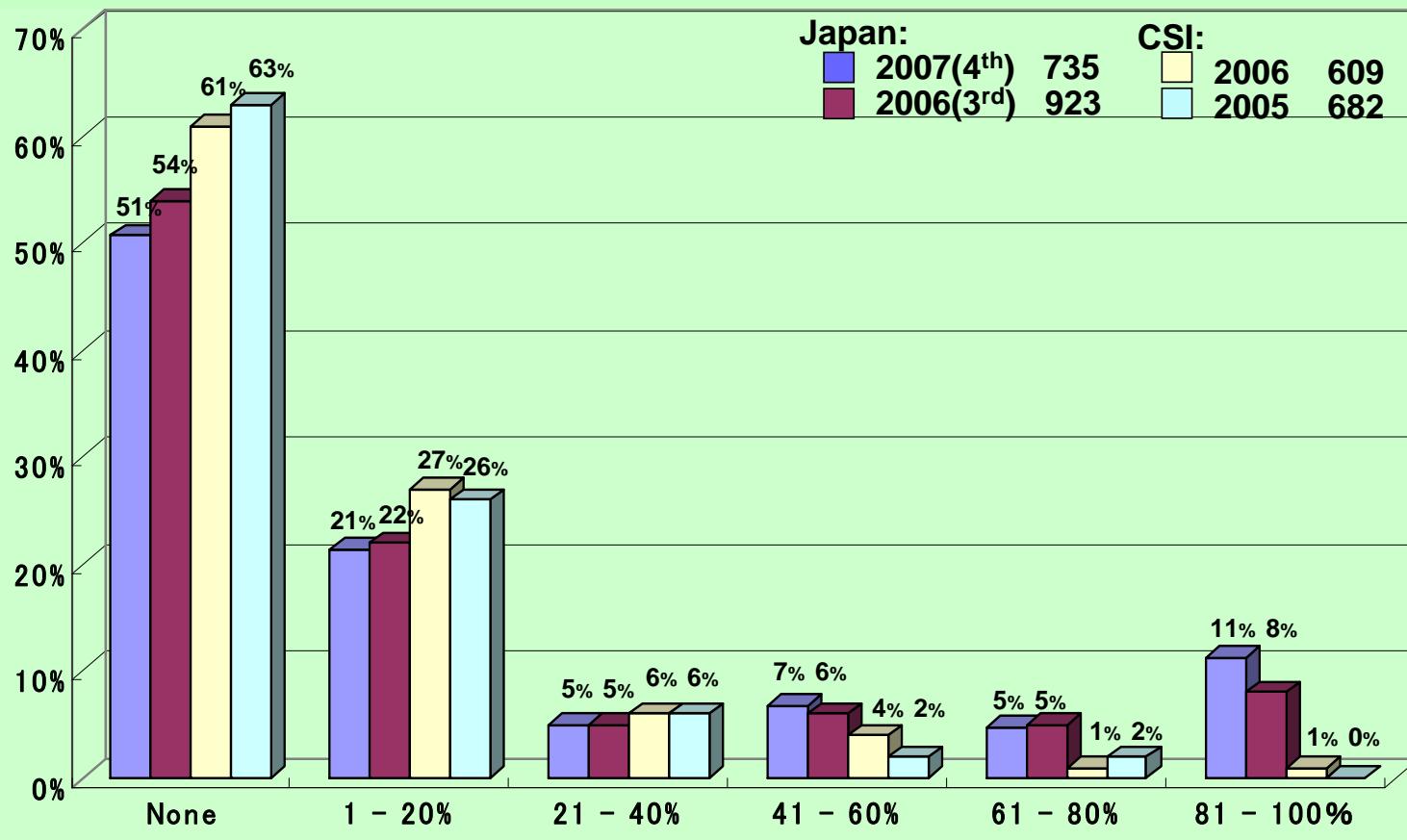


Respondents: CSI: 2006=597

Japan: 2007=771, 2006=995

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Percentage of Security Function Outsourced



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Security Technologies Used

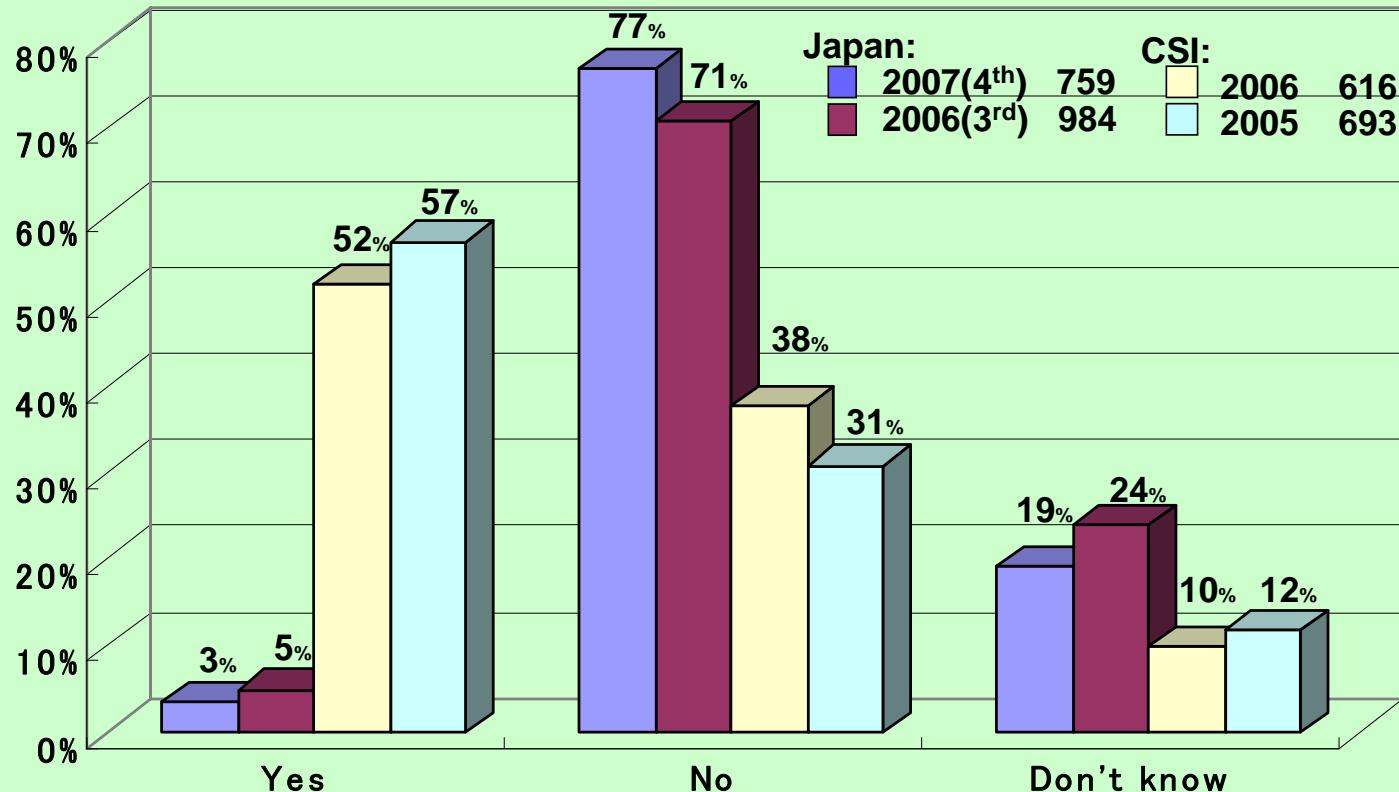
	CSI		JPN	
	2006	2005	2007	2006
Anti-Virus Software	97%	96%	95%	94%
Firewall	98%	97%	92%	91%
Reusable account/login passwords	46%	52%	82%	83%
Server-based Access Control Lists	70%	70%	69%	75%
Anti-Spyware	79%		47%	
Log Management Software	41%		37%	
Encryption for data in transit	63%	68%	35%	32%
Intrusion Detection System : IDS	69%	72%	24%	21%
Encryption for data in Storage	48%	46%	19%	27%
Smart cards/Other one-time password tokens	38%	42%	18%	15%
One time passwords			8%	11%
Application-level Firewall	39%		17%	-
Intrusion Prevention System : IPS	43%	35%	15%	10%
Specialized wireless security system	32%		12%	-
Public Key Infrastructure	36%	35%	9%	10%
Biometrics	20%	15%	9%	9%
Forensics tools	38%		2%	-
Endpoint security client software	31%	-	-	-
Others	4%	-	4%	5%

Respondents: CSI: 2006=616, 2005= 687

Japan: 2007=769, 2006=987

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Unauthorized Use of Computer Systems within the Last 12 Months



Respondents: CSI: 2006=616, 2005=693

Japan: 2007=759, 2006=984

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Types of Attacks or Misuse Detected in the Last 12 Months

	C S I		Japan			
	2006	2005	2007		2006	
Virus	65%	1	32 %	84 %	1	67 %
Laptop/Mobile Theft	47%	2	75 %	30 %	2	23 %
Insider Abuse of Net Access	42%	3	9 %	22 %	3	18 %
Denial of Service	25%	5	48 %	14 %	4	11 %
Unauthorized access to Information	32 %	4	32 %	5 %	5	5 %
Web Site Defacement	6 %	12	5 %	5 %	6	-
System Penetration	15 %	6	10 %	4 %	7	4 %
Theft of Proprietary Information	9 %	8	2 %	3 %	8	2 %
Sabotage	3 %	13	7 %	2 %	9	1 %
Abuse of Wireless Network	14 %	7	16 %	2 %	10	3 %
Telecom fraud	8 %	10	48 %	1 %	11	0 %
Financial fraud	9 %	9	7 %	0 %	12	0 %
Misuse of Public Web Application	6 %	11	5 %		13	3 %
Other	-	-		4 %		2 %
No attack / Misuse	-	-		43 %		23 %

Note: Percentages of CSI 2005 is calculated from Fig. 14 in 2005 CSI/FBI survey.

Respondents: CSI: 2006=616, 2005=700 Japan: 2007=533, 2006=984

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How Many Incidents? From the Outside? From the Inside?

			1 - 5	6 – 10	11 – 30	31 -	Don't Know	None
CSI	Inside	2005	46 %	7 %	3 %		44 %	-
	Outside	2005	47 %	10 %	8 %		35 %	-
	2006		48 %	15 %	9 %		28 %	-
Japan	Inside	2007	19 %	3 %	1 %	0 %	12 %	65 %
		2006	31 %	3 %	1 %	1 %	12 %	52 %
	Outside	2007	30 %	2 %	2 %	1 %	10 %	56 %
		2006	42 %	4 %	3 %	1 %	9 %	41 %

Respondents: CSI: 2006=341, 2005=453 Japan: 2007=686, 2006=887

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Dollar Amount Losses by Type

Unit: \$(=¥100)

	CSI			Japan	
	2006		2005	2007	2006
Virus	15,691,460	1	42,787,767	2,916,042	1 5,029,847
Laptop Theft	6,642,660	3	4,107,300	636,707	2 3,769,338
Telecom Fraud	1,262,410	8	242,000	509,960	3 20,000
Theft of proprietary Info	6,034,000	4	30,933,000	229,260	4 230,382
Insider Net Abuse	1,849,810	7	6,856,450	224,178	5 579,987
Unauthorized Access	10,617,000	2	31,233,100	222,637	6 213,200
Denial of Service	2,922,000	5	7,310,725	140,202	7 258,132
Bots within the organ.	923,700	9	-	108,860	8 -
Financial Fraud	2,556,900	6	2,565,000	100,160	9 50,000
System Penetration	758,000	10	841,400	35,260	10 64,310
Web site defacement	162,500	16	115,000	27,552	11 38,585
Sabotage	260,000	15	340,600	20,160	12 12,200
Password sniffing	161,210	17	-	17,460	13 -
Phishing in which your org.	647,510	11	-	5,010	14 -
Abuse of wireless net	469,010	12	544,700	1,160	15 11,300
Exploit of DNS Server	90,100	18	-	360	16 -
Instant Msg misuse	291,510	13	-	160	17 -
Misuse of public Web App	269,500	14	2,227,500	-	12,100
Other	885,000			113,800	1,231,160
Total Losses	52,494,290		130,104,542	5,308,928	11,520,541
Average of Losses/Resp	167,713		203,606	21,581	53,335

Respondents: CSI: 2006=313, 2005=639 Japan: 2007=246, 2006=216

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