Appendix A: IT Capital - Indicator Applicability Evaluation

In this survey, the evaluation table of indicator applicability of IT capital will be divided into two dimensions: "IT Input" and "IT Output." Each dimension will be divided into several <u>sub-dimensions</u> and performance indicators further. Please evaluate the following performance indicators according to the significance and applicability in your company.

Note: The following score which ranges from 1 to 6 means "very low", "low", "little low", "little high", "high", and "very high" applicability, respectively.

Dimension 1: IT Input

IT	Input	(Significance/Applicability)								
		Low				ligh				
		1	2	3	4	5	6			
>	IT Human Resources									
	□ IT personnel expenditures									
	□ The size of IT department									
	 Personnel turnover rate 									
>	IT Infrastructure									
	□ IT budget									
	□ PC/NB per person									
	IT Application Capability									
>	IT Application Capability									
	Certification items									
	□ IT application level									
	 Problem handling 									
>	IT R&D Capability									
	□ R&D budget									
	□ The number of R&D employees									
A	Organizational Structure and Culture									
•	□ IT department position									
	CEO background									
	Business model									

Dimension 2: IT Output

IT	IT Output (Significance/Applica						ty)
		Lov	Low				igh
		1	2	3	4	5	6
>	Strategy Contribution and Decision Quality						
	□ The contribution to business strategy and revenue						
>	Innovative Products and Services						
	□ The innovation capability						
	The contribution to innovation						
>	Reducing Cost						
	☐ The contribution of cost reduction						
>	Process Efficiency						
	□ The contribution to business process						
>	Supplier/Customer Relationship						
	☐ The requirements of supplier/customer relationship	D					
	☐ The contribution of supplier/customer relationship						
>	Knowledge Management and Organizational Learning	,					
	 Knowledge management execution 						
	□ The contribution to knowledge management						
>	Intellectual Property						
	□ The quality and quantity of intellectual property						

Appendix B: IT Capital Questionnaire in Financial Industry

This questionnaire is mainly aimed at enterprises. The purpose is to understand the current status of IT capital in the company. It will be divided into two parts, which are "IT Input" and "IT Output," and the questions in each part will be designed according to the research dimension we develop. All information collected is only for research analysis and be kept confidential. Thank you very much.

Note: In the Part II, we use the score, which ranges from 1 to 6, to represent "very low", "low", "little low", "little high", "high", and "very high", respectively.

Part I: IT Input

I. IT Human Resources

Please fill out the following questions according to the current status of **IT human resources** in "the year of 2004." (Expressed in New Taiwan Thousand Dollars)

1.	The total expenditures of IT department is NT\$
2.	The personnel expenditures of IT department is NT\$
3.	The training expenditures of IT department is NT \$
4.	The total number of IT department staff is The percentage of IT department staff in the entire company is%.
5.	The average professional tenure of IT department staff is years.
6.	The average age of IT department staff is
7.	The turnover rate of IT department staff is%.

II. IT Infrastructure

Please fill out the following questions according to the current status of **IT infrastructure** in "the year of 2004." (Expressed in New Taiwan Thousand Dollars)

8.	The computer hardware expense is NT\$
9.	The computer software expense is NT\$
10.	The Maintenance expense of IT is NT\$
11.	The ratio of personal computers to total employees is%.
12.	The ratio of notebook computers to total employees is%.
III.	IT Application Capability
	ise fill out the following questions according to the current status of IT lication capability in "the year of 2004."
13.	The main information system(s) in your company is(are) (multiple-choice) ERP SCM CRM MM Other
14.	The IT quality certification item(s) which your company owns is(are) (multiple-choice) CMMI ISO BS(Information Security) Other
15.	The percentage of jobs completed through the Intranet is%.
16.	The average time of IT project from analysis to completion: The percentage of 1-3 months is
17.	The average time which IT department solves user and system problems: The percentage within one day is%. The percentage of 1-3 days is%. The percentage within one week is%. The percentage within one month is%

IV. IT R&D Capability

	Please fill out the following questions according to the current status of IT R&D capability in "the year of 2004." (Expressed in New Taiwan Thousand Dollars)									
18.	The total IT R&D expen	se is NT\$								
19.	The number of employee	es who are actually engaged in the IT R&D is								
v. o	V. Organizational Structure and Culture									
Please fill out the following questions according to the current status of organizational structure and culture in "the year of 2004."										
20.	☐ One centralized IT de (Belonging to: ☐ First ☐ Several IT department	IT department in your organization structure? epartment exists within the company et division								
21.	☐ Finance ☐ Marketing ☐	and experience of the CEO in your company? under the age of 40 40-50 years old 50-60 years old 60-70 years old over the age of 70								
22.		oes your company operate? (multiple-choice) C2B								

Part II. IT Output

I. Strategy Contribution and Decision Quality

Please fill out the following questions according to the current status of **strategy contribution and decision quality** in "the year of 2004."

			low						h			
		1	2	3	4	5	6					
23.	The effect of CIO on CEO's strategy-making is											
24.	Other departments generally consider that the influence of IT department on strategies is											
25.	The contribution of IT is % for <i>strategy making</i> in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)											
26.	The contribution of IT is % for <i>revenue</i> in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)											
27.	The contribution of IT is % for the decision quality of the executive in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)											
28.	Compare with other companies in the same industry, the degree of revenue and profit in your company is											
29.	Compare with other companies in the same industry, the degree of enhancing the decision quality of the executive in your company is											

II. Innovative Products and Services

Please fill out the following questions according to the current status of **innovative products and services** in "the year of 2004."

		lo	W			hi	gh
		1	2	3	4	5	6
30.	The ratio of proposals to IT department staff is:						
31.	The average number of innovative proposals from IT department is per year.						
32.	The degree of the relationship between innovative proposals of IT department and IT infrastructure is						
33.	The degree of the relationship between innovative proposals of IT department and business model is						
34.	The degree of the relationship between innovative proposals of IT department and processes is						
35.	The degree of the relationship between innovative proposals of IT department and new products is						
36.	The contribution of IT is % for the innovative product and service in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)						
37.	Compare with other companies in the same industry, the degree of innovative products and services in your company is						

III. Reducing Cost

Please fill out the following questions according to the current status of reducing cost in "the year of 2004."									
low h									
		1	2	3	4	5	•		
38.	The contribution of IT to the cost reduction of processes is								
39.	The contribution of IT to the cost reduction of customer service is								
40.	The contribution of IT is % for <i>reducing cost</i> in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)								
41.	Compare with other companies in the same industry, the degree of reducing cost in your company is								
IV. P	rocess Efficiency								
	use fill out the following questions according to the current ciency in "the year of 2004."	stat	us c	of p ı	roce	ess			
42.	The contribution of IT to the process efficiency of daily operation is								
43.	The contribution of IT to the process efficiency of customer services is								
44.	The contribution of IT to the process efficiency of delivery of goods is								

		low				hi	gh		
		1	2	3	4	5	6		
45.	The contribution of IT is % for <i>process</i> efficiency in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)								
46.	Compare with other companies in the same industry, the efficiency of dealing with the same process in your company is								
V. Supplier/Customer Relationship									
	se fill out the following questions according to the curren plier/customer relationship in "the year of 2004."	t stat	tus c	of					
47.	The requirement of suppliers for IT infrastructure is								
48.	The requirement of customers for IT infrastructure is								
49.	Maintaining good supplier relationship through IT is								
50.	Maintaining good customer relationship through IT is								
51.	The contribution of IT is % for <i>supplier</i> relationship in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)								
52.	The contribution of IT is % for <i>customer</i> relationship in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)								

		lov	V			hi	gh		
		1	2	3	4	5	6		
53.	Compare with other companies in the same industry, the improvement of supplier relationship in your company is								
54.	Compare with other companies in the same industry, the improvement of customer relationship in your company is								
VI. Knowledge Management and Organizational Learning									
Please fill out the following questions according to the current status of knowledge management (KM) and organizational learning in "the year of 2004."									
55.	How many years does your company implement KM? years.								
56.	The degree of implementing knowledge raking mechanism and merging it into personnel salary and bonus is								
57.	The frequency which the executives use KM averagely is								
58.	The support of CEO for KM is								
59.	The manager in each department generally consider that the contribution of IT department to KM is								
60.	The contribution of IT is % for <i>KM</i> and organizational learning in the year of 2004. Compare with the year of 2003, the improvement ratio is %. (Please select the choice listed in the right if the answer is difficult to be quantified.)								

	low		h		high				
	1	2	3	4	5	6			
61. Compare with other companies in the same industry, the degree of building the environment of knowledge sharing and organizational learning in your company is									
VII. Intellectual Property									
Please fill out the following questions according to the current status of intellectual property in "the year of 2004."									
62. What kind of intellectual property does IT department of	own? I	Hov	v ma	any i	•				
☐ Patent (item(s))				•					
Software (item(s))									
Business Model (item(s))									
Process Reengineering (item(s))									
Production Automation (item(s))									