

An Improved Case of the Risk Assessment Methods in our Company ~Toward Internal Diffusion of BCMS ~

The 9th IIASA-DPRI Conference

FUNAI RISK ASSESSMENT SYSTEM

LOGIN

USER ID:

Kawaguchi

PASSWORD:

Hitoshi

LOGIN

1. Introduction

- A) “Risk assessment” includes the overall process of risk analysis and risk evaluation.
- B) In the diffusion of BCMS there is toward society and the inside of organizations. This case study is the latter.
- C) The case is the result of requests made by working group members (WGer).
- D) The purpose of executive office was maintaining or improving their motivation.
- E) We developed the integrated risk assessment system named FRiAS.

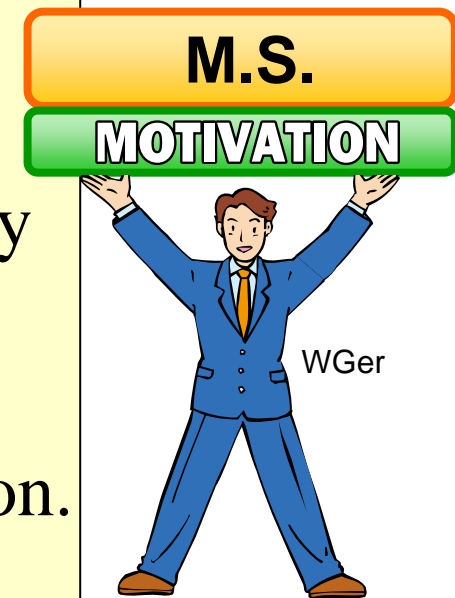
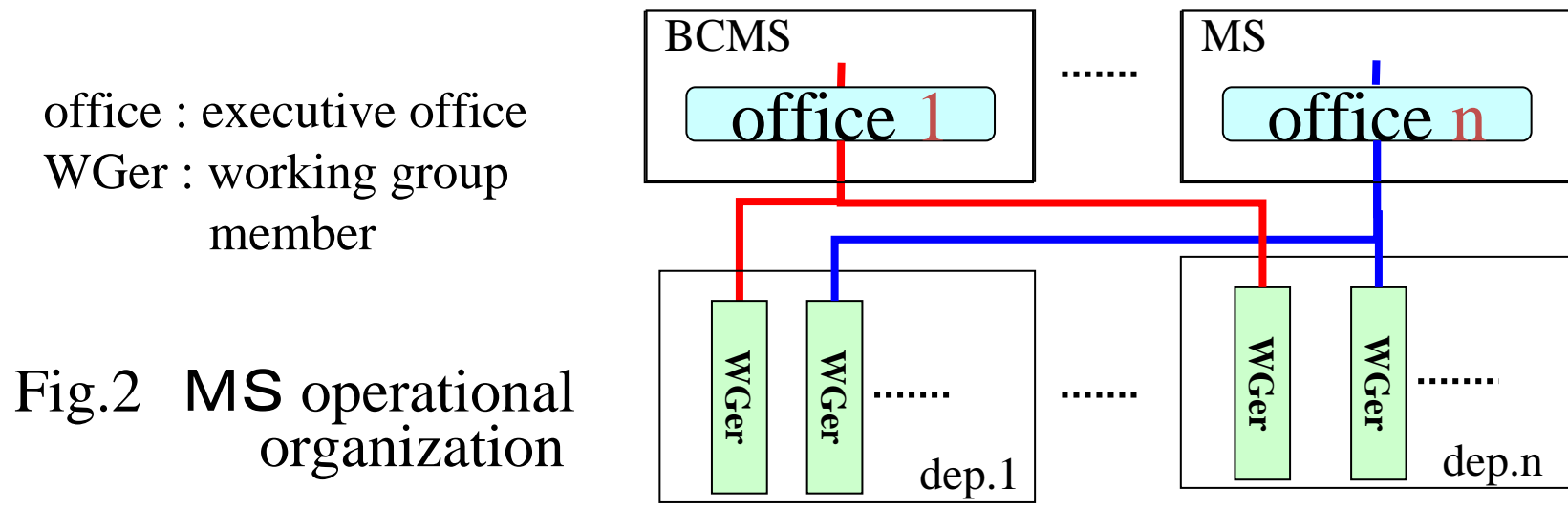


Fig. 1 Importance of Motivation

2. Background

- A) We have constructed several management systems under the consultations of each specialist. One was BCMS
- B) MSs which have included RA were 4, all of them were different methods.
- C) WGer have worked practices of RAs.
- D) They have requested improvements of RA methods.



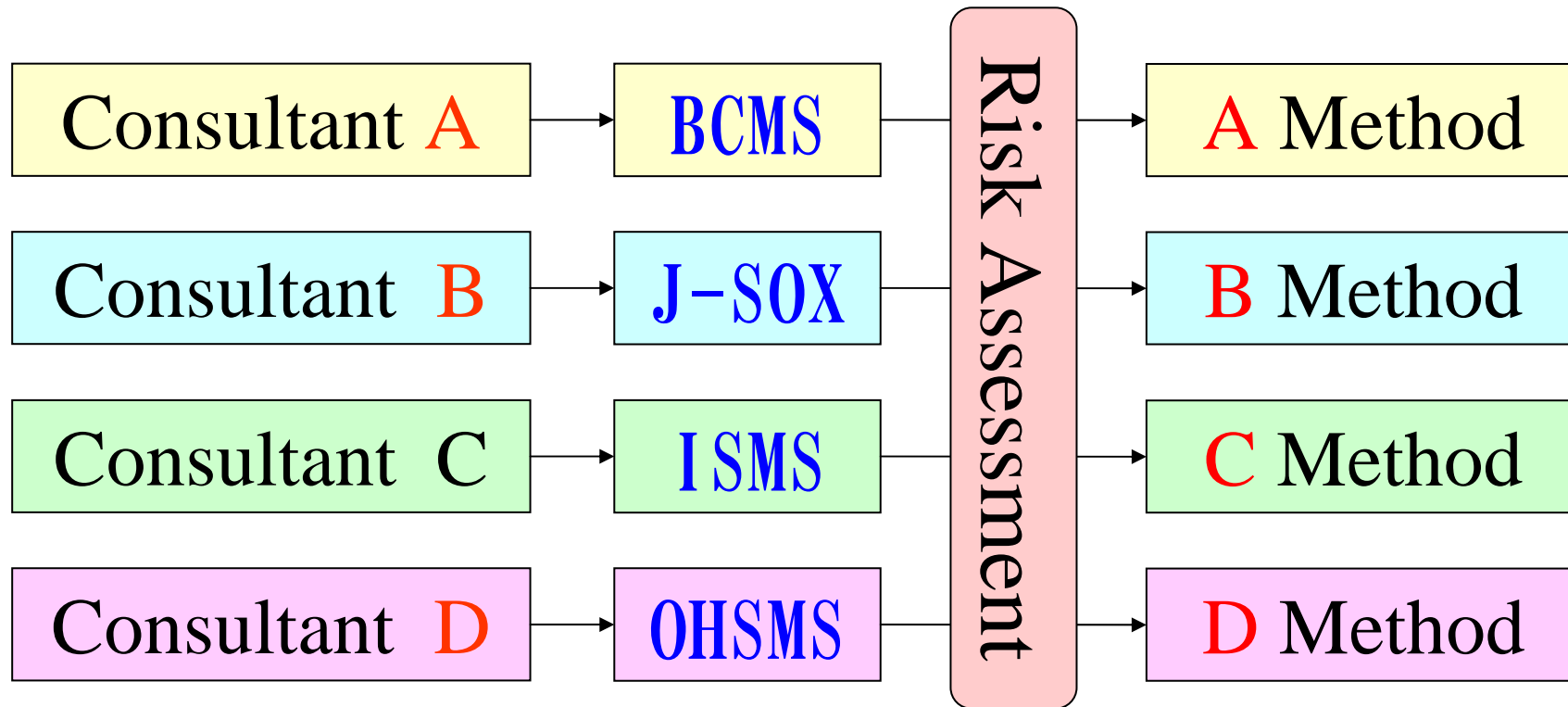
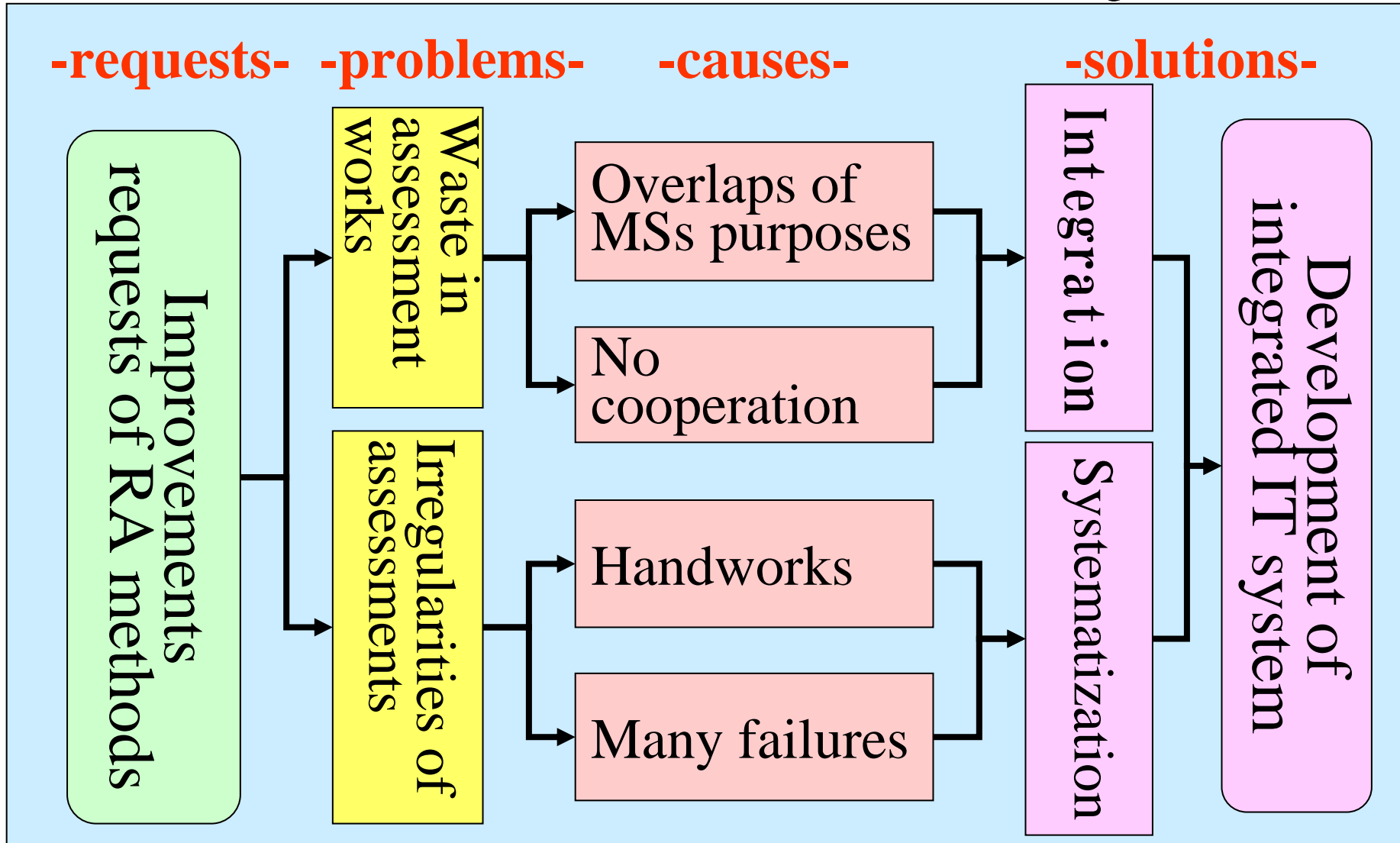


Fig.3 MSs and RAs

BCMS	: Business Continuity Management System
J-SOX	: Japanese SOX Law
ISMS	: Information Security Management System
OHSMS	: Occupational Health and Safety Management System

3. Relationship Diagram of Requests and Solutions

(Fig.4)



4. Research of Possible Integration

(Table 1)

		MS	BCMS	J-SOX	ISMS	OHSMS
		research				
A) overlapped assessments			A	A	A	C
B) irregularities			A	B	A	C
C) Objects	resources		○		○	
	processes			○		○

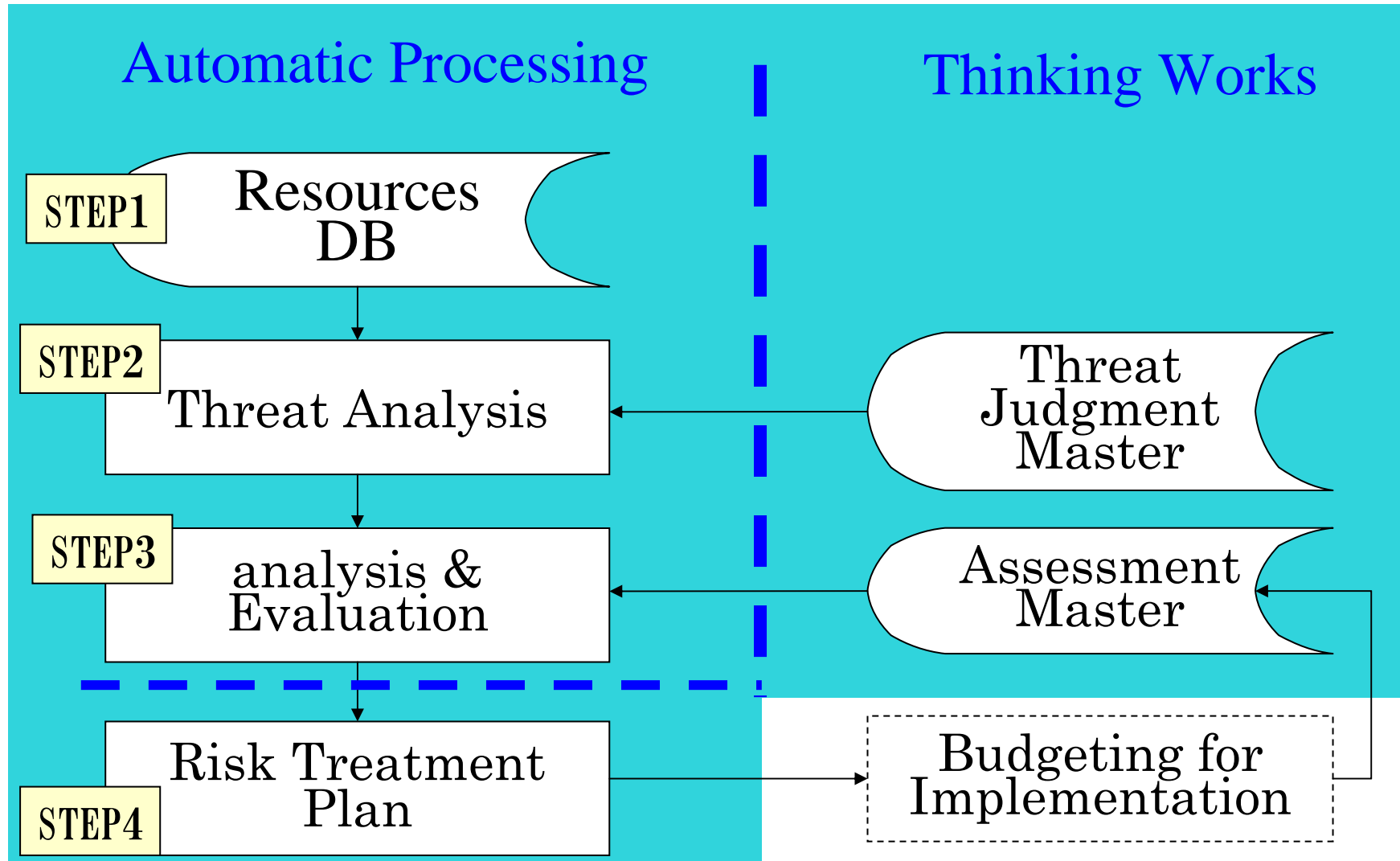
MSs which were selected to integrate were BCMS and ISMS.

5. Target for Improvements

A) Developing of Funai Risk Assessment System (FRiAS) which integrated BCMS and ISMS.

B) WGers concentrated on judging everything and FRiAS did the data processing.

6. Process Flow of FRiAS (Fig.5)



6-1. The threat judgment master

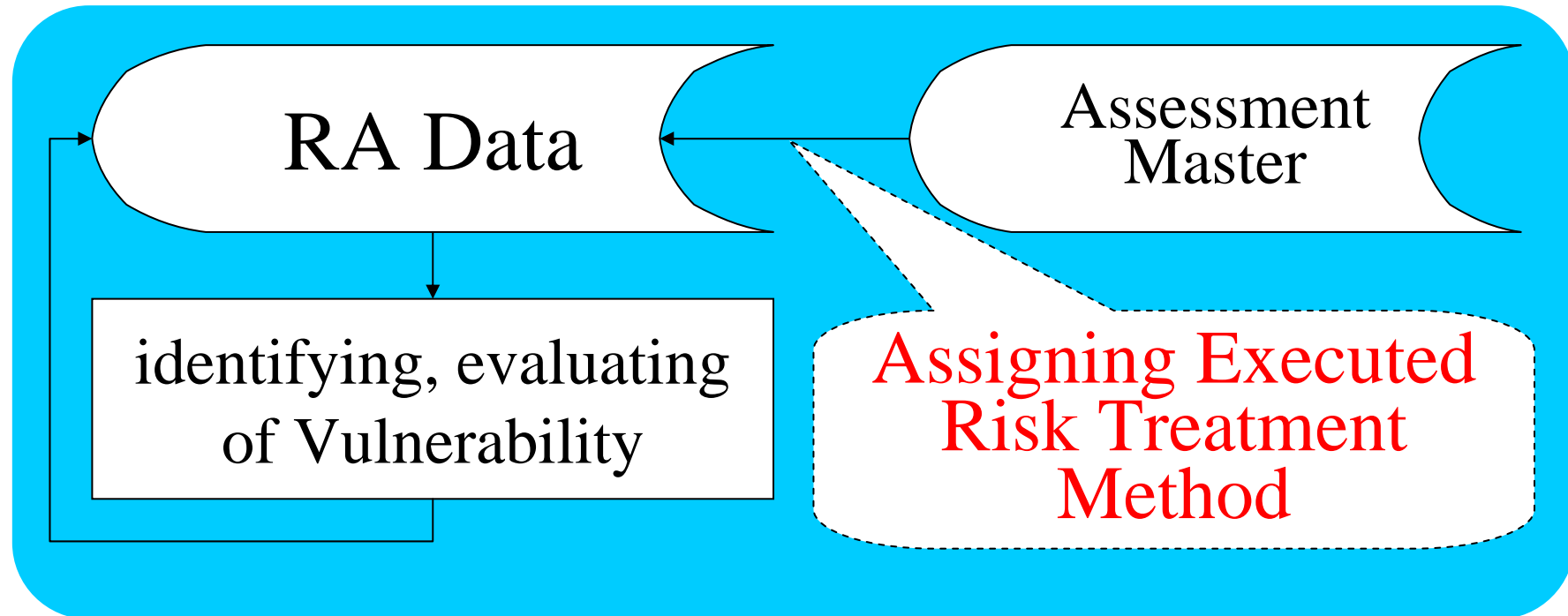
- A) It's threat DB by which resources are affected.
- B) Maintaining the master data by WGer's judgment.
- C) It can link Automatically between resources and threats.

Fig.6 An automatic mapped sample

情報資産				脅威の種類										
大分類		中分類		小分類		環境的脅威								
						機器、設備故障	停電	通信回線障害	地震	落雷	火災	漏水	感染症	
G	施設・設備	01	施設	01	建物	○	○	○			○			
				07	受渡場所		○	○	○		○			
				02	付帯設備	01	電源設備		○		○		○	
				02	空調設備	○		○						
				03	通信設備(MDF、EPS等)	○	○				○			
				04	放送設備									
				06	消防設備	○	○					○		
				07	上下水施設	○	○					○		
				08	電灯設備	○	○					○		
		09	昇降機	○	○					○				

6-2. Vulnerability in Assessment Master

(Fig.7)

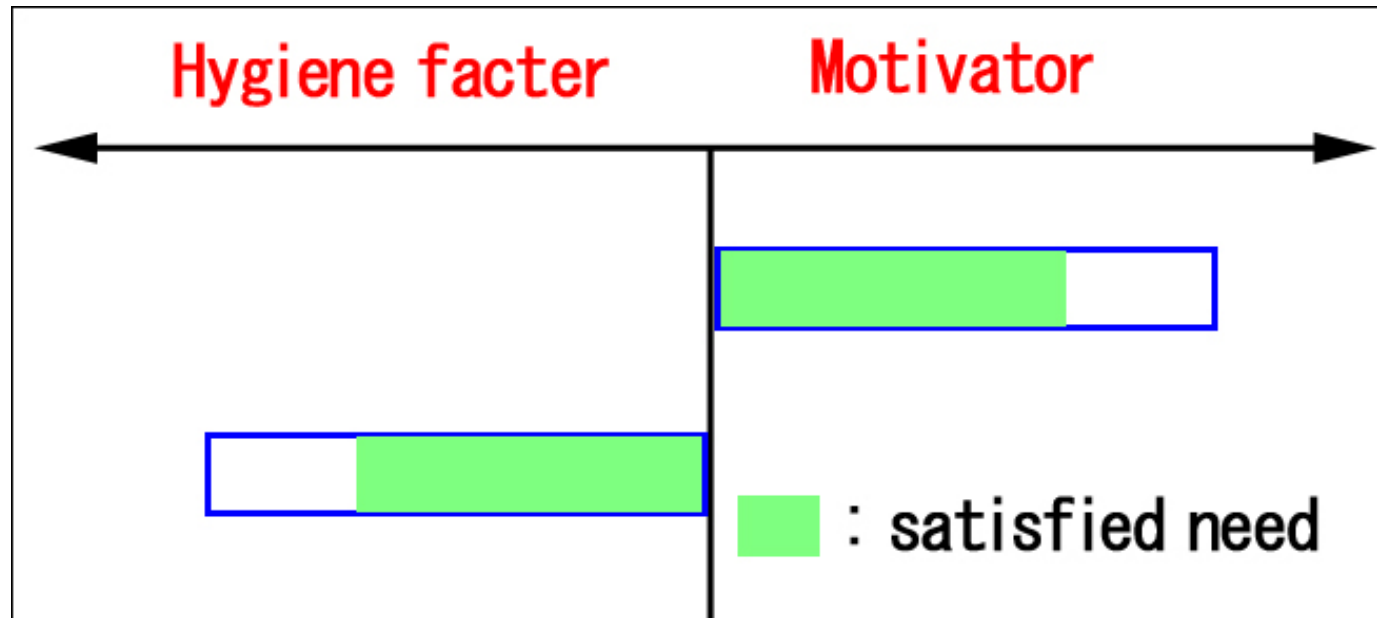


A) Assessment master informs the past values of vulnerabilities to assist current evaluation.

B) WGers identify vulnerabilities, and determine the evaluation value at the time.

7. Conclusion

7-1. Herzberg's M-H theory (Fig.8)



- A) A person is more motivated by Motivator.
 - B) Job dissatisfaction is decreased by Hygiene factor.
- A person never be motivated by Hygiene factor.

7-2. Improved Motivation (Table.2)

	Motivator		Hygiene factor	
	Job Clarification	Autonomy	IT System	Workload
Problems				
Overlapped assessments	○		○	○
Irregularities		○	○	○

8. Future issues

A) We should always hear user's requests, and advance FRiAS.

B) We'll execute morale survey, and on the basis of the results, we are going to diffuse BCMS in internal organization.

Hitoshi Kawaguchi

kawaguti@funai.co.jp

FUNAI ELECTRIC CO.,LTD.