

Self-Esteem Effects for Industrial Security

Onechul Na, Soyoung Sung, and Hangbae Chang

Abstract— In this paper, we presented the potential effects of self-esteem of the employees who are the subject that generates a security accident on compliance with Industrial security. We considered there is a correlation between self-esteem and compliance with Industrial Security. The level of self-esteem of employees will be comprehended by using the Rosenberg self-esteem scale that is used the most and that of compliance with Industrial Security will be measured by modifying Industrial Security Code of Conduct that is provided from National Industrial Security Center.

Keywords— Self-Esteem, Industrial Security Code of Conduct

I. INTRODUCTION

RECENTLY damage from leakage of industrial technology and confidential information have a huge impact on national industrial competitiveness as well as enterprise itself. In a recent security industry, convergence security that attempts to effectively manage the security risks has been actively promoted when it comes to the method to protect the value of individuals, companies and countries[1-4].

For protecting industrial assets, physical and technical security for cyberspace and physical space are essential and managerial security for primarily managing 'individual' who is the subject that generates the security accidents must be implemented as well[5,6]. Likewise, solution to effectively protect various industrial assets needs to be studied from both points of view[7]. In this paper, we presented the potential effects of mentality(self-esteem) of individual(the employee) who are the subject that generates a security accident on compliance with Industrial security. In detail, we tried to recognize the way the level of self-esteem affects the degree of compliance with Industrial Security.

The level of self-esteem of employees will be comprehended by using the Rosenberg self-esteem scale that is used the most and that of compliance with Industrial Security will be measured by modifying Industrial Security Code of Conduct that is provided from National Industrial Security Center.

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II. CONCEPT, MODEL AND/OR METHODOLOGY

A. Definition of Self-esteem

Self-esteem is generally defined as how we value ourselves; it is how we perceive our value to the world and how valuable we think we are to others. Self-esteem affects our trust in others, our relationships, our work – nearly every part of our lives. Positive self-esteem gives us the strength and flexibility to take charge of our lives and grow from our mistakes without the fear of rejection. Low self-esteem is a debilitating condition that keeps individuals from realizing their full potential. A person with low self-esteem feels unworthy, incapable, and incompetent. In fact, because the person with low self-esteem feels so poorly about him or herself, these feelings may actually cause the person's continued low self-esteem.

For analyzing the self-esteem of employees, we will use The Rosenberg Self-Esteem Scale and grasp the level of self-esteem.

TABLE I
THE ROSENBERG SELF-ESTEEM SCALE

Questions	Strongly Disagree	Disagree	Agree	Strongly Agree
1. I feel that I am a person of worth, at least on an equal basis with others.	1	2	3	4
2. I feel that I have a number of good qualities.	1	2	3	4
3. All in all, I am inclined to feel that I am a failure.	1	2	3	4
4. I am able to do things as well as most other people.	1	2	3	4
5. I feel I do not have much to be proud of.	1	2	3	4
6. I take a positive attitude toward myself.	1	2	3	4
7. On the whole, I am satisfied with myself.	1	2	3	4
8. I wish I could have more respect for myself.	1	2	3	4
9. I certainly feel useless at times.	1	2	3	4
10. At times I think I am no good at all.	1	2	3	4

B. List of Compliance with Industrial Security Code of Conduct at Work

We will use the list of compliance with Industrial Security Code of Conduct at Work from National Industrial Security Center to have knowledge of how much employees comply with Industrial Security at work. The list is categorized into management of employee card, information security on commuting, document security, security life in company and security of computer usage and composed of detailed list in each category.

TABLE.II
COMPLIANCE WITH INDUSTRIAL SECURITY CODE OF CONDUCT AT WORK

Item	Small Item	Check
Management of Employee Card	Be sure to wear employee card	o/x
	Be careful of employee card	o/x
	Immediately report the security department if employee card is lost	o/x
Information Security on Commuting Time	Avoid of unauthorized data storage medium	o/x
	Store important documents or storage medium in a safe place when leaving the office	o/x
Document Security	Shred important documents	o/x
Security Life in Company	Forbid people from taking unauthorized picture in a company	o/x
	Immediately notify the security department if the part of security vulnerability is found	o/x
Security of Computer Usage	Set the PC's password and change regularly	o/x
	Install anti-virus software	o/x
	Only use approved information storage medium	o/x

III. CONCLUSIONS

It is important not only to explore individuals but also access the enterprise level to protect the industrial technology and confidential information. A person with low self-esteem is likely to feel poorly about his or her relationship and eventually incapable of adapting to others. So, it could be a risk in the company. From a security point of view, it can also be a negative element that might cause a security accident. It is necessary to analyze potential effects of self-esteem of individual on compliance with Industrial Security Code and the correlation between them. Then the survey and statistical analysis will be implemented.

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