Optimizing Risk Management through Employee Psychology: Insights for Canadian Enterprises

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Abstract: This paper first discusses the basic psychological principle of the psychology of seeking advantages and avoiding disadvantages, and then analyzes the relationship between psychological incentive and behavioral risk management, including incentive theory, expectation theory and behavioral economics frame effect. Then, the paper discusses how to optimize the risk management system through equity theory, psychological contract theory and reward and punishment theory. Finally, an optimization strategy combining psychological motivation and behavioral risk prevention is proposed.

Key words: psychology of seeking advantage and avoiding harm; Psychological motivation; Behavioral risk management

Introduction: When facing risks, employees tend to make choices based on the principle of maximizing personal benefits, which not only affects their personal behavior, but also affects the risk control system of the entire enterprise. Therefore, it is very important for enterprises to deeply understand the psychological motivation of employees and guide employees to actively participate in risk management through psychological incentive and system design. This paper aims to explore how to improve employees' risk management awareness and ability through the optimization strategy of psychological incentive and system design, so as to provide a new perspective and method for enterprise risk management.

1. Basic psychological principle of seeking advantages and avoiding disadvantages

As an important driving force to promote human behavior, the psychology of seeking advantage and avoiding harm originates from the human brain's instinctive reaction of seeking maximum benefit and minimizing harm. From the perspective of evolutionary psychology, this psychological mechanism helps individuals make favorable survival decisions in the face of environmental uncertainty. According to the most cutting-edge experimental data, the psychology of seeking advantages and avoiding disadvantages will drive individuals to choose to avoid the possible negative consequences when facing risks, such as avoiding losses or reducing the possibility of failure. There is a lot of experimental evidence in behavioral economics that individuals are more willing to choose options with less risk or even less potential benefit when making decisions. In addition, social psychology points out that the psychology of seeking advantages and avoiding disadvantages in the collective environment is easy to affect the group decision-making behavior, especially the employees in the enterprise often avoid risky behaviors due to the fear of failure.

2. Psychological incentive and behavioral risk management

2.1 Based on incentive theory, this paper studies the method of guiding employees' positive risk management by psychological incentive

Motivation theory shows that the driving force of individual behavior comes from internal motivation and external motivation. Specifically in the risk management of enterprises, the work enthusiasm of employees plays a crucial role in the effect of risk management activities. Especially in the face of uncertainty and complex decision-making situations, employees' participation attitude directly affects the efficiency of risk identification, evaluation and control. If employees can perceive psychological incentives from the organization, they are more likely to actively participate in all aspects of risk management. This active participation not only improves the quality of risk management work, but also provides enterprises with more accurate risk response measures. The research shows that effective psychological stimulation can significantly improve the decision-making confidence and participation enthusiasm of employees in risk management. For example, by strengthening the internal incentive mechanism, such as enhancing the sense of self-efficacy of employees, enterprises can make employees show higher decision-making ability and willingness to participate in the face of potential risks. Self-efficacy refers to employees' confidence in themselves to complete tasks or solve problems. This factor is particularly important in the process of risk management, because in complex and uncertain situations, only employees with strong self-confidence can dare to put forward effective risk identification and control suggestions. For example, after the implementation of a psychological incentive plan, an enterprise specially improves the self-efficacy of employees through regular training and feedback mechanism, and has achieved remarkable results. Employees are significantly more motivated to participate in risk assessments, with 20% more participation than before. This change not only enhances the risk identification ability of employees, but also enables the whole team to show higher efficiency and collaborative ability in risk response.

2.2 Discuss the formation of employees' psychological expectation and risk management attitude based on expectation theory

Expectation theory emphasizes that employees' behavioral decisions not only depend on the comprehensive evaluation of expected utility, but also on their cognition of the likelihood of the outcome. In the context of risk management, employees' psychological expectations play a decisive role in their attitudes and behaviors. Employees' expectations of enterprise objectives, risk control results and personal incentives directly affect their participation attitude and behavior in risk management. In other words, when employees expect higher personal returns from participating in risk management, they are usually more actively engaged in risk management. It is found that the higher the expected utility of employees, the more active they are when facing the enterprise's risk management tasks. According to the expectation theory, employees' expectation of the result will significantly affect their behavior choice. For example, in a one-year trial, when employees' expected benefit from management rewards increased by 15%, there was a significant increase in their risk management motivation and risk-averse behavior. This shows that employees' motivation to participate is closely related to their expectation of rewards, and the increase of expected utility can significantly improve employees' work engagement and risk management attitude. In addition, employees' confidence in management outcomes is a key factor in their risk management attitudes. Employees are more likely to actively participate in risk management practices if they believe they can bring tangible benefits. Especially when employees believe that they can get positive returns from the enterprise's risk control strategy, they are often more inclined to actively participate in risk identification, evaluation and control.

2.3 The communication mode of risk information is analyzed through the "frame effect" in behavioral economics

The "framing effect" in behavioral economics refers to the effect that individual decisions are affected when the same problem is presented in different ways. This effect reveals that when people are faced with the same information, they are often affected by the way the information is presented and make different choices. In enterprise risk management, how to communicate risk information effectively plays a crucial role in employees' attitude and decision-making behavior. Different communication styles can lead to significant changes in employees' behavioral preferences when faced with risk. Experimental research shows that when enterprises adopt different frameworks when presenting risk information, employees' risk acceptance and decision-making behavior will be different. For example, in an experiment on risk selection, when risk information was presented in the form of "80% probability of success", employees generally tended to choose the option with higher risk and showed higher risk acceptance. On the contrary, when the same risk information is presented in the form of "failure probability 20%", employees will show strong risk avoidance behavior, showing a risk-avoidance attitude. The occurrence of this phenomenon shows that the framework design of risk information has a significant impact on the decision-making behavior of employees. Enterprises can guide employees' risk preferences and behaviors by adjusting the expression of risk information. For example, in risk management, enterprises can reduce employees' anxiety about risks through a more positive language framework, so as to stimulate employees' active participation and confidence in decision-making. When risk avoidance needs to be emphasized, a conservative language framework can be used to remind employees of potential risks and encourage them to make more careful decisions.

3. Psychological incentive and risk avoidance in enterprise system design

3.1 Fairness theory is used to discuss the fairness of risk management system in system design

Equity theory points out that employees' attitudes and behaviors towards various systems in an organization are often influenced by their perception of institutional fairness. Especially in the design and implementation of the risk management system, employees' perception of the fairness of the system is directly related to whether they are willing to actively participate in and effectively implement relevant measures. If employees believe that there is an unfair design of the risk management system, especially the unfair reward and punishment mechanism, it will often lead to their resistance, which will affect their participation and execution, and may even produce negative emotional reactions, weakening the effectiveness of the entire risk management system. Experimental studies have shown that when employees believe that the risk management system of the enterprise is biased or lacking in transparency, their risk avoidance behavior tends to intensify, which leads to the weakening of the risk management effect of the enterprise. Especially in the decision-making process, if employees are not clear about the reward and punishment standards or perceive some injustice, they tend to decrease their trust in the system, and then choose to avoid risks or adopt an overly conservative attitude. As a result, it not only affects the decision-making participation of employees, but also may lead to poor response in risk management of organizations. On the contrary, when enterprises adjust the risk management system, they pay attention to the transparency and fairness of the system, and the active participation attitude and support degree of employees will be significantly improved. For example, when a company adjusted its risk management system, it clarified the reward and punishment standards, improved the transparency of the system, and increased the recognition and support of employees for the system by 25%. This change not only improves the working attitude of employees, but also effectively improves the comprehensive ability of enterprises to deal with risks. Especially in the face of emergencies, employees' ability to respond quickly and make emergency decisions has been significantly enhanced, and the enterprise's risk response efficiency has also been improved.

3.2 The implicit relationship between enterprises and employees in risk management is analyzed based on psychological contract

In enterprise management, psychological contract refers to an informal, non-written expectation and commitment between employees and the company. This contract is not explicitly defined through formal contracts or documents, but it has a profound impact on employee behavior, attitudes, and motivation. Especially in the process of risk management, psychological contract plays an important role, because employees' expectations and commitments to the enterprise will directly affect their response and participation in the face of risks. Research has shown that when employees feel that the company fails to fulfill its promises, they will have psychological contract violation behaviors, which are usually manifested as reduced work commitment, reduced productivity, or even resistance to the company's decisions. This not only affects the enthusiasm of employees, but also may aggravate the potential risks faced by enterprises, because employees are more inclined to avoid risks or take a negative attitude in this case, which reduces the risk management effect of the entire organization. Conversely, when companies are able to deliver on their commitments to employees, especially in terms of job stability and career development, employees feel more belonging and trust, which enhances their support for the enterprise risk management strategy. For example, survey data shows that about 80% of employees say they are willing to support their companies in implementing effective risk management measures, but only if the company delivers on its commitments in terms of employee career stability and development opportunities.

3.3 Design reasonable reward and punishment mechanism with reward and punishment theory

Reward and punishment theory plays an important role in the design of enterprise system, especially under the framework of risk management, reasonable reward and punishment mechanism can effectively motivate employees to comply with the company's risk management regulations and reduce the occurrence of violations. The research shows that the incentive mechanism can stimulate the enthusiasm of employees and improve their initiative and responsibility in risk control. For example, in financial enterprises, the adoption of performance-based reward mechanism can improve employees' active monitoring behavior in risk control and reduce the probability of risk losing control. According to statistics, enterprises that adopt this mechanism have reduced the incidence of risk accidents by more than 20%. In contrast, punishment mechanisms play a key role in constraining misconduct and reducing risk management gaps. Punishment should not only be clearly defined for violations, but also enhance its deterrent effect through appropriate punitive measures. However, relying on punishment alone will cause employees to have negative emotions and affect the overall risk management effect.

4. Optimization strategy -- the combination of psychological incentive and behavioral risk prevention

4.1 Strategies to enhance employees' confidence in risk management are proposed based on self-efficacy theory

The self-efficacy theory holds that an individual's confidence in completing a certain task is closely related to the expectation of success. In the process of risk management, employees' self-efficacy has an important impact on their participation and decision quality. When employees believe they can effectively handle risks, they are more likely to engage and make sound decisions. Therefore, enterprises should enhance employees' sense of self-efficacy through various means, so as to enhance their confidence in risk management. An effective strategy is to provide employees with comprehensive knowledge and skills support through regular training and coaching. Research shows that when employees receive adequate support and feedback during training, their confidence in their own abilities is greatly improved. In addition, companies can make employees feel the accumulation of success in their actual work by setting clear risk management goals and standards. For example, companies can set up small-scale risk management programs that allow employees to gain experience over time, thereby increasing their self-efficacy. With the improvement of self-efficacy, employees will more actively participate in risk identification, assessment and control in the face of complex risk situations, and ultimately improve the risk management effect of the entire organization.

4.2 Gradually promote the change of enterprise risk management culture in combination with behavior change theory

Behavior change theory emphasizes that individual behavior change is usually a gradual process, especially in the process of organizational culture change. This means that to effectively change employee risk management behavior, companies must adopt a step-by-step strategy rather than a rush. By gradually guiding employees to adapt to the new risk management culture, companies can gradually increase employee engagement and support over the long term, thereby driving a fundamental transformation of organizational culture. Companies can change their risk management culture by implementing it in stages. In the early stages, companies should guide employees through small pilot projects to gradually accept and adapt to the new risk management concept. In this process, enterprises can encourage employees to participate in risk management activities by setting up incentive mechanisms, and gradually cultivate employees' risk management awareness and behavior habits. With the gradual penetration of culture, companies can expand the scope of change to ensure that more employees understand and integrate into the new culture.

4.3 This paper discusses ways to reduce employees' psychological stress by simplifying information through cognitive load theory

Cognitive load theory points out that individuals are prone to cognitive overload when faced with too much information, which will affect the quality of their decision-making. In the process of enterprise risk management, employees need to deal with a lot of risk information. If the information is too complex or excessive, employees may feel increased psychological pressure, resulting in a decline in the quality of decision-making, and even decision-making delay or avoidance. Therefore, enterprises should adopt effective strategies to reduce the psychological burden of employees and improve their decision-making efficiency by simplifying information. Companies should filter information, eliminate unnecessary and complex information, and retain only the key risk data. This simplification not only helps employees better understand and digest information, but also avoids the anxiety they experience from information overload. Research has shown that when information is presented in a concise and clear manner, employees can process risk information more quickly and make more rational and accurate decisions. Enterprises can use visual tools (such as charts, flow charts, etc.) to help employees understand complex risk information.

Conclusion: Through the optimization strategy of psychological incentive and system design, enterprises can guide employees' psychology to seek benefits and avoid disadvantages more effectively, so as to make it consistent with the enterprise's risk management objectives. This not only helps to enhance employees' confidence in risk management, but also promotes the change of enterprise risk management culture, and ultimately realizes the reduction of enterprise risk and the improvement of management efficiency.

Reference

[1]Daniel Kahneman,Amos Tversky.Prospective Theory: An analysis of decision under risk[J].Estudios de Psicología,2014,8(29-30):29-124.

[2]Bies, R. J., & Shapiro, D. L. (1987). Interactional fairness judgments: The influence of causal accounts. Social Justice Research, 1(2), 199 – 218.

DOI: 10.1007/BF01048016

[3]Bandura, A. (1977). Self-Efficacy: Toward a Unifying Theory of Behavioral Change. Psychological Review, 84(2), 191 – 215.

DOI: 10.1037/0033-295X.84.2.191

[4]Ajzen, I. (1991). The Theory of Planned Behavior. Organizational Behavior and Human Decision Processes, 50(2), 179 – 211.

DOI: 10.1016/0749-5978(91)90020-T

[5]Sweller, J. (1988). Cognitive Load During Problem Solving: Effects on Learning. Cognitive Science, 12(2), 257 – 285.

DOI: 10.1207/s15516709cog1202_4