

Introduction to the Safety Culture Series

Key Points

- Serves as an overview of the NAC Executive Insight "Safety Culture Series."
- Defines a safety culture.
- Cites specific actions needed to develop an effective safety climate.
- Describes the elements of a safety management system.
- Lists specific actions to check if a safety culture exists and the steps needed to maintain it.

Introduction

The purpose of this introductory Executive Insight to the Safety Culture Series is to further guide and expand on the actions needed to create and maintain this culture.

Assuring safety in construction is difficult. It starts with "Safety in Design" and an understanding by corporate leadership of the business case for safety, of risk, and of hierarchy of controls, and a deep commitment to the goal of zero incidents. These concepts are covered in more detail in other Executive Insights.

Safety demands a huge commitment. That commitment includes establishing the right culture, providing the right skills and tools, and creating the right systems to connect everything. The upcoming series of Executive Insights from NAC will address the essential elements of attaining zero incidents: establishing, maintaining, and assuring a safety culture.

Safety Culture Defined

A *safety culture* can be defined as "an all-employee system of shared beliefs, practices, and attitudes in an organization that shape behavior and drive the way in which all work is performed." A safety culture is created by having both a formal *safety management system*, which addresses key processes and procedures to be followed, and a *safety climate*, which defines the way employees in the operation behave.

The Executive Insight "How to Create a Zero-Injury Culture" provides an overview of a safety culture.

Establishing a Safety Climate

A safety culture requires a proper safety climate and an effective safety management system. To create the desired safety climate, leaders must be unified in purpose, approach, and message so there is harmony in all relationships within the culture.

The desired safety climate only occurs when leader-to-worker communications and actions show genuine concern for worker welfare. All workers must feel everyone in the organization is fully committed to every individual's safety. All must be willing to learn from mistakes and incidents. Importantly, everyone must feel free to bring safety observations to management without fear of reprisals.

Specific actions to achieve this safety climate include the following:

- Worker participation and involvement in defining the elements of the safety management system and making necessary adjustments. (Safety Culture Series – Worker Participation in the Safety Management System)
- Leaders throughout the organization continuously and genuinely showing a deep "caring behavior" for those supervised, thus creating a culture of care and support for each other. (Safety Culture Series – Demonstrating a Culture of Care and Support: The Leaders Role)
- Leaders acknowledging that humans do make mistakes and accidents do not typically happen on purpose. (Safety Culture Series – Human Performance Principles)
- Leaders avoiding placing blame and instead focusing on system improvements.
- Leaders gaining buy-in from employees to avoid at-risk behaviors.
- Supervisors exercising "Stop-Work" authority without fear of reprisal.
- Employees not hiding injuries to avoid punishment.
- Developing excellent, actionable leading indicators, which results in receiving early warnings so improvements can be implemented.

Elements of a Safety Management System

A well-designed safety management system is a prerequisite for an excellent safety culture. Even a well-designed safety management system, however, is not sufficient by itself. Elements of an effective safety management system include:

- Demonstrated management commitment (at all levels) to the core belief that "all accidents can be prevented."
- Adequate staffing with safety professionals.
- Establishing safe work practices for common activities. (Safety Culture Series Safe Work Practices)
- Job safety planning before undertaking specific activities.
- Safety training and education. (Safety Culture Series Safety Training)
- Subcontractor management.
- Recognition and rewards.

- Incident/accident/near miss reporting, and investigations focused on root causes.
 (Safety Culture Series Incident/Accident/Near Miss Reporting and Investigations)
- Drug and alcohol testing. (Safety Culture Series Drug and Alcohol Testing)

Maintaining and Assuring an Excellent Safety Culture Exists

For an excellent safety culture to exist, everyone in a supervisory role must understand and be fully committed to the need for and the principles of a safety culture.

Specific actions to check that a safety culture exists and to identify areas for improvement include:

- Leadership involvement in routine office/site visits.
- Periodic audits and worker surveys to assure the safety management system is working as defined and achieving the desired outcomes.
- Dissemination of learnings from incidents/accidents/near misses with an emphasis on root cause and not blame.

Summary/Conclusion

This Executive Insight is an overview document outlining the essential elements of creating an effective safety culture. These elements fit into three categories:

- 1. Establishing a safety climate.
- 2. Creating an effective safety management system.
- 3. Assuring that a safety culture exists.

A series of follow-up Executive Insights that supports a safety culture provide more detailed guidance and best practice use across the elements of these three categories.

About the Authors

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