

Ethical Risk: Development & Engineering

Start of Block: Level 1

Our organization has written policies outlining our risk process.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our risk practitioners are trained and qualified to perform their roles in addressing risk.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

I feel comfortable talking with management about the risks I feel are a concern.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Business management participates in the development of risk scenarios.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

If risk concerns are not addressed by management, I document and communicate the threat/risk information and management decisions.

- ☐ Strongly agree (1)
- ☐ Somewhat agree (2)
- ☐ Neither agree nor disagree (3)
- ☐ Somewhat disagree (4)
- ☐ Strongly disagree (5)

End of Block: Level 1

Start of Block: Level 2

The organization's code of ethics and culture addresses fraud and employee loyalty.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our organization performs quantitative risk analyses for potentially risky products.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our organization provides a tip mechanism for employees, customers and others to report fraud, that includes anonymous reporting and employee training.

- ☐ Strongly agree (23)
- ☐ Somewhat agree (24)
- ☐ Neither agree nor disagree (25)
- ☐ Somewhat disagree (26)
- ☐ Strongly disagree (27)

End of Block: Level 2

Start of Block: Level 3

Our organization trains us in how to handle ethics related to law, including protected information, harassment and diversity sensitivity, and other business-specific ethics.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

To the best of my knowledge, we follow all applicable laws.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

I am familiar with the intimate details of regulation(s) that apply to the products we sell or services we provide.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We follow and address changes in regulation in a timely fashion, when changes occur in the business environment or applicable law.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When we contract work out, we ensure that third party vendors adhere to the necessary regulations and ethics requirements.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When we address regulation, we strive to meet the intent of the law, instead of simply addressing its minimal technical aspects.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We strive to minimize risk related to potential lawsuits (e.g., relating to breach of duty, reasonable care, product liability and punitive damages.)

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Top management promotes and exemplifies adhering to the law.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

The organization's code of ethics addresses adhering to applicable laws.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

The organization clearly allocates responsibility for addressing ethical risk to specified roles in product development.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

To achieve quality and timeliness in product development, our organization implements realistic project management, good communication, and quality software development standards.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

I evaluate not only software technology risks, but also risks related to the context of the application (e.g., healthcare, finance).

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Before software release, we ensure the product will treat different social groups fairly, if applicable (e.g., artificial intelligence).

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

In our software development, we provide different configurations to address local regulations and/or customer (ethical) preferences for features.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When regulation does not address ethical concerns (e.g., privacy or security), we implement one or more softlaw standards, such as SAFECODE, Building Security in Maturity Model, or other such standard.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our project schedules regularly deliver expected quality on time and at expected cost.

- ☐ Strongly agree (11)
- ☐ Somewhat agree (12)
- ☐ Neither agree nor disagree (13)
- ☐ Somewhat disagree (14)
- ☐ Strongly disagree (15)

End of Block: Level 3

Start of Block: Level 4

The organization's code of ethics specifies that customers, employees, and other stakeholders shall be treated fairly and respectfully.

- ☐ Strongly agree (1)
- ☐ Somewhat agree (2)
- ☐ Neither agree nor disagree (3)
- ☐ Somewhat disagree (4)
- ☐ Strongly disagree (5)

When we evaluate ethical risk, we evaluate and consider opinions from the public (or people not employed by the organization). When matters of life or death may be involved, we consider realistic life values (e.g., where we would price our own life.)

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When evaluating risk, we do consider and evaluate worst case scenarios.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Risk normally is calculated as likelihood * impact, but for certain ethical risks an outrage factor should be added. We consider and evaluate this outrage factor for exotic, catastrophic and unfair risks.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We calculate risk not simply from our organization's perspective, but also our customers' and employees' perspective.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When we evaluate risk we consider input from direct stakeholders (those purchasing the system) but also how risks can affect indirect stakeholders, who have less input.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We use techniques and processes specifically for addressing ethical risk.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our software team researches (e.g., through literature) and discusses ethical and legal concerns relating to the application during software requirements analysis.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We identify and communicate risks and ethical concerns with customers at the start and throughout the project.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our customers are aware of our security and quality standards.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We document our risk analysis systematically using a form of risk register.

- ☐ Strongly agree (1)
- ☐ Somewhat agree (2)
- ☐ Neither agree nor disagree (3)
- ☐ Somewhat disagree (4)
- ☐ Strongly disagree (5)

End of Block: Level 4

Start of Block: Level 5

I have been trained in ethical thinking.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

I deeply consider a product's effects on aspects of society, discuss my concerns with the team, and work to mitigate negative or severe effects.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

The organization's code of ethics addresses striving for the public good, promoting ethical leadership and professional responsibility, including addressing diversity and environmental concerns, as applicable.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We evaluate risk not simply from our organization's perspective, but also our society's perspective.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

Our project group addresses uncomfortable ethical risk decisions, related to product risks that may involve significant personal impact (e.g., health, jail sentences, jobs) or life and death.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

When the level of risk is unknown but may be potentially significant, our organization uses scientific methods to discover the frequency and impact of this risk.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

We evaluate novel technologies in a systematic way, using a Technology Assessment or a Social Impact Analysis process to fully document our findings.

- ☐ Strongly agree (1)
 - ☐ Somewhat agree (2)
 - ☐ Neither agree nor disagree (3)
 - ☐ Somewhat disagree (4)
 - ☐ Strongly disagree (5)
-

I consider technology risks, such as how a product may fail, technology rights of those inadvertently impacted by the technology, and realistic expectations for the technology.

- ☐ Strongly agree (1)
- ☐ Somewhat agree (2)
- ☐ Neither agree nor disagree (3)
- ☐ Somewhat disagree (4)
- ☐ Strongly disagree (5)

End of Block: Level 5

Start of Block: The End

Do you have any comments or suggestions for this survey or research? Thanks for the help you have provided and for participating!

End of Block: The End
