



Cybersecurity roadmap user guide

What is the cybersecurity roadmap?

The cybersecurity roadmap was developed to shape ethical approaches to innovation within the cybersecurity sector. It draws on relevant published information and follows consultations undertaken through workshops with a sample of cybersecurity companies to give emphasis to the responsibility for addressing ethical issues that is particularly pertinent to cybersecurity.

Why/when should you (the company) use the Roadmap?

This roadmap should be used by cybersecurity companies seeking to embrace strategies (including codes of practice and standards) for further embedding of ethical thinking, embrace the 'responsible' in 'responsible innovation, and to prepare for extreme challenges in the rapidly changing environment they operate in.

The roadmap spells out fundamental company management requirements and precautionary actions that need to be in place at the time the design and innovation process begins. An immediate commitment to such fundamentals is considered here as an aspect of 'responsible innovation' with an accompanying commitment to make progress in other areas of responsible innovation where such an expectation is reasonable.

How to use the roadmap

Firstly, company management must determine whether the 'vital' aspects indicated in the 'Company Management' document are already embedded in the practices and structure of the company. These are fundamental practices of business that require time and expertise to implement. Where necessary, assistance should be sought to enable the company to commit to these fundamentals.

Meanwhile, investigate the company's position with the 'desirable' elements of the aforesaid document. These accompanying commitments help reaffirm the company's commitment to responsibility and business development.

Ultimately, use the roadmap to see how elements of responsible innovation can be linked to the entire processes of business development – research, design, production, marketing, and after-sales stages of development.

Important:

- i. When the individual issues within the roadmap are considered, their applicability must be recognised as relevant and understood by the widest range of people for this roadmap to be effective. This group of people includes employees, contractors, investors, customers and users. It is the obligation of the company or organisation concerned to ensure that contractors and partners act in accordance with the framework that is set out.
 - ii. Pay attention to the important role of external engagement throughout this process – without external feedback into all stages the process cannot be considered responsible.
- **NOTE:** In the roadmap, solid lines represent the **transitions between stages**, while dotted lines represent **feedback**.