1. Why was this report needed?

The report mentioned in the question above,I personally think, refers to the cross-industry standard process for data mining. CRISP-DM was conceived in late 1996,a time of dramatic acceleration in the development of data science.In this context, data scientist and data-related practitioners were urgently in need of a set of standards for data mining processes and methods to help them plan, analyse and implement their data-related research or project.

2. Why was it new for its time?

In my opinion, CRISP-DM is essentially a process of raising problems, analyzing them, and then solving them. It is a step-by-step data mining instructions that basically breaks the process of data mining into six phases. There was something slightly familiar about it.It is similar to Systems development life cycle(SDLC) which consists of several steps,such as requirement engineering, design,testing,deploying or maintenance. Some of the ideas of these two appear to overlap roughly. Understanding of business or requirement,examining the quality of "outputs",constant testing and then carrying out maintenance etc are necessary to develop large scale system or to make use of large amounts of data. It was new for its time because heretofore each one had their own "standard".

3. What is useful about it for today?

CRISP-DM divides the process of data mining project into six distinct phases: Business Understanding, Data Understanding, Data Preparation, Modeling, Evaluation and Deployment. For data mining project and related research, they are still main steps that deserve reference and guide.

4. Where is it outdated?

I believe that it is not completely outdated,for which many ideas are still relevant, even though CRISP-DM is far from a new concept(analytics model) in terms of today's methodology. However,this model no longer seems to be actively maintained. Furthermore, there are many new technologies emerging,which even replace older ones.All of these changes have caused parts of this model to become obsolete.