

## **ABSTRACT**

Abstract - The D&SB function is a business function that focused on the trading of defense and security devices, under the control of PT. XYZ as part of State-Owned Enterprise. In optimizing its business, D&SB functions are supported by IT services facilitated by the Information Systems Management Function. In maximizing the performance and existing business processes of PT. XYZ has implemented best practices such as ISO 31000: 2009 on Risk Management and Principles to improve the performance of the Company's business processes. Then in order to improve the existing business process in this research, the researcher performs several series of process design which refer to ISO: 22301: 2012 related to BCP and DRP where BCP and DRP consists of preparation, testing and updating actions needed to protect critical business processes resulting from major network and system failures. BCP that equipped with risk measurement and business impact analysis agreed by the board of directors and has been socialized to all related staff will be able to give an idea how good and strong business process along with its supporting aspects to survive from disaster, so organization can quickly adapt to changes, where the organization must be able to ensure that the business process will continue its function even under limited conditions. The DRP contains detailed steps that must be taken to restore a system, especially in IT services. So in this BCDR research are essentially based on BCP and DRP will eventually provide solutions from 3 aspects such as people aspect by adding job descriptions, process aspects by design recommendation of policy and SOP and the last technology aspect in the form of technology hot site or better known as mirroring . Thus design of BCDR, it is expected that the business D&SB function at PT. XYZ has a better improvement.

**Keyword : Risk, Disaster Recovery Plan, Business Continuity Plan, Business Impact Analysis**