

ABSTRACT

**IMPLEMENTATION OF RISK ASSESSMENT OF
INFORMATION TECHNOLOGY IN THE LAND
INFRASTRUCTURE DIVISION OF THE MINISTRY OF
AGRARIAN AND SPATIAL PLANNING/NATIONAL DEFENSE
AGENCY USING ISO 27005:2008**

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In accordance with the Regulation of the Minister of Communication and Information concerning the Coordinating Center for Handling Government Information Security Incidents. In Law Number 41 Year 2007 the General Guidelines for Information Technology and National Communication Management. And the Ministry of Agrarian Affairs and Spatial Planning / National Land Agency are Non-Ministry Government Agencies which are under and accountable to the President and lead by the Head. (In accordance with Presidential Regulation No. 63 of 2013). The Ministry and Spatial Planning / National Land Agency has the duty to carry out in the national, regional and sectoral land sector in accordance with the laws and regulations. The ATR / BPN Office has the application of risk management in IT management and business processes in the Land Infrastructure division. However, the application has not fully assessed the threat to IT assets in the Land Infrastructure division and assessed the extent to which existing controls can reduce future threats and risks and their impact. Implementation and assessment of risk assessment of IT assets is carried out using ISO 27005 which is focused on managing / controlling IT risks. The application of risk assessment is carried out with reference to the risk scenario at ISO 27005. This research was conducted by identifying risk scenarios on IT assets based on the assessment of controls that exist at ISO 27001.

Keywords: ISO 27005, risk assessment, risk scenario, ISO 27001, level of risk, risk treatment