

# **Transformation of Topographic Data Visualization from Freehand Drawing to Cartographic Representation**

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In this year, topographic data visualization starts to change using geodatabase cartography. Visualization of topographic data usually utilized freehand drawing that's not connected to database. The existing cartographic rules representations still based on freehand drawing and this is become a great challenge for us to transform these rules into geodatabase cartographic data visualization. The geodatabase cartography and its representation should be defined first in order to follow the existing rules and analyze it. In other hand, there is a new challenge related human resource capability to understand the transformation process from drawing method into geodatabase cartography. This paper described the transformation of topographic map visualization and its geodatabase design.

Keywords : Cartography, Topographic Map, Geodatabase