

## **Mississippi Digital Earth Model (MDEM)**

### **Orthoimagery Standards**

Digital orthophotography provides an intuitive map base, which eliminates the need for detailed mapping of many individual features. The USGS manages production of the digital orthoimagery quad program. This 1:24,000 orthoimagery dates from 1996, and is in need of updating. Although not required by the Mississippi State Tax Commission, some counties have chosen to use orthophotography as a base for their cadastral mapping. MDOT often develops large-scale orthophotography products for mapping transportation corridors.

The staff, in conjunction with the PAC and the TUG, recommends:

1. For acceptance into the Mississippi Digital Earth Model, digital orthoimagery must be of a minimum scale of 1" = 100' (1:1,200 scale, 6" pixel) for urban areas and 1" = 400' (1:4,800 scale, 2' pixel) for rural areas.
2. Data spatial accuracy should meet the parameters of National Map Accuracy Standards (NMAS) for 1" = 100' (1:1,200) scale mapping for the urban areas and 1" = 400' (1:4,800) scale mapping for the rural areas.
3. Imagery shall be color infrared, natural color, or black & white.