

Mississippi Digital Earth Model (MDEM)

Cadastral Standards

Rule 6 (Standards of Acceptance) of the Aerial Photography and Property Ownership Mapping Standards of the Mississippi State Tax Commission requires counties to produce aerial photography imagery at least once every ten years, and to update property ownership maps to conform with the new photography. The State Tax Commission does not require the counties to develop digital orthophotography or digital property ownership maps. The State Tax Commission requires that the ownership maps be developed at a minimum scale of 1" = 100' (1:1,200) scale for the urban areas and 1" = 400' (1:4,800) scale for the rural areas.

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

1. For acceptance into the Mississippi Digital Earth Model, cadastral coverage should be developed at a minimum scale of 1" = 100' (1:1,200) scale for the urban areas and 1" = 400' (1:4,800) scale for the rural areas and be developed on digital orthoimagery that meets MDEM standards.
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. The "best fit" methodology rather than the "metes and bounds" methodology may be used for cadastral mapping, thereby achieving significant cost savings.