

**Title 20—DEPARTMENT OF INSURANCE, FINANCIAL INSTITUTIONS AND  
PROFESSIONAL REGISTRATION**

**Division 2030—Missouri Board for Architects, Professional Engineers,  
Professional Land Surveyors, and Professional Landscape Architects  
Chapter 18—First and Second Order Horizontal and Vertical Control**

**PROPOSED AMENDMENT**

**20 CSR 2030-18.030 Accuracy of Horizontal Control.** The board is amending sections (1), (2), (3), and (4).

*PURPOSE: This rule is being amended for clarity and to change reference from the Missouri Department of Natural Resources and the United States Coast and Geodetic Survey to the Missouri Department of Agriculture and the National Geodetic Survey or its successor organization.*

- (1) The accuracy of a horizontal control station is classified according to constrained and unconstrained, relative accuracy of the distance between *[the]* stations, and the positional accuracy of the station relative to the *[known]* stations **held fixed in the adjustment**. *[The failure to meet any of the three criteria shall cause the station to not meet the classification.]* **If the requirements for all three (3) criteria are not satisfied, the station shall fail to qualify for the classification.**
- (2) First Order Horizontal Control.
  - (A) The relative accuracy of the distance between directly connected adjacent *[points]* **stations** shall be equal to or less than twelve millimeters (12 mm) for distances equal or less than one kilometer (1 km) and ten parts per million (10 ppm) for distances greater than one kilometer (1 km).
- (3) Second Order Horizontal Control.
  - (A) The relative accuracy of the distance between directly connected adjacent *[points]* **stations** shall be equal to or less than twenty-five millimeters (25 mm) for distances equal to or less than one kilometer (1 km) and twenty parts per million (20 ppm) for distances greater than one kilometer (1 km).
- (4) To fully qualify as a first or second order control station, the station must be accepted and published by the Missouri Department of *[Natural Resources]* **Agriculture** or the *[United States Coast and]* **National Geodetic Survey or its successor organization.**

*AUTHORITY: sections 327.041 and 327.272, RSMo [Supp. 1993] 2016. This rule originally filed as 4 CSR 30-18.030. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 20 CSR 2030-18.030, effective Aug. 28, 2006. Amended: Filed November 18, 2016.*

*PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.*

*PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.*

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Missouri Board of Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects, PO Box 184, Jefferson City, MO 65102, via facsimile at (573)751-8046, or via email at moapels@pr.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the **Missouri Register**. No public hearing is scheduled.*