

INTRODUCING OUR SPEAKERS

Roger Purcell , LS

Minimum Technical Standards – 6 PDH

Thursday, July 21, 2011

10 a.m. – 5 p.m.



Roger Purcell is an Assistant Professor of Engineering at Middle Georgia College where he teaches Surveying and Geomatics Courses in the Surveying Certificate Program and the new Associates Surveying Degree Program. Roger is in his ninth year of teaching at Middle Georgia and has also taught Mathematics as an Adjunct Professor at College of Coastal Georgia. Roger has 29 years of experience in Surveying and Civil Engineering. Prior to coming to Middle Georgia, he was co-owner of Pruitt & Purcell, P.C. in Brunswick for approximately 11 years and has previously been employed with the Federal Aviation Administration, Georgia Power Company and Planners & Engineers Collaborative. Roger is licensed as a Professional Engineer and a Registered Land Surveyor in Georgia and received a Bachelor of Civil Engineering Degree and a Master of Science Degree in Civil Engineering from Georgia Tech. Currently, Roger is working on his Doctorate in Civil Engineering at Georgia

Tech where he is obtaining a minor in Geographical Information Systems (GIS). Roger is certified by the Georgia Soil and Water Conservation Commission as a Trainer for Levels IA, IB and II of the new GSWCC Sediment & Erosion Control Program. Roger has served in various offices of SAMSOG, including President, and has led seminars in Technical Standards and Sediment & Erosion Control Courses.

Minimum Technical Standards: The Legal Why?

Land Surveyors. Every land surveyor is required to obtain fifteen (15) PDH's each twenty-four (24) month biennial renewal period. In addition, every land surveyor must ensure that, **once every five (5) years, at least six (6) PDH's in "Minimum Technical Standards" are included in their PDH's acquired.** The Georgia Board of Registration (PELS) is working with the Secretary of State's office to have all of the Georgia Registered Land Surveyors checked for compliance with continuing education requirements. This includes Minimum Technical Standards.

Tentative Outline

Session 1: Minimum Technical Standards/Georgia Plat Act

- An overview of the Plat Act and Technical Standards will be performed.
- The relationship between the Plat Act and Minimum Technical Standards will be examined.
- Plat checklist and Technical Standards compliance.

Session 2: Government Actions affecting the Surveying Profession/Recent Changes

- Federal actions affecting Surveyors.
- Recent Changes to Georgia BOR policies and interpretations.
- Education: How much does a Surveyor need?

Session 3: Review of other states' Minimum Technical Standards/Other Laws

- The relationship between the general technical process of producing a property survey and the final published legal document will be evaluated.
- The surveying standards of other states will be evaluated.
- Laws, rules and policies from other states that could benefit Georgia Surveyors if implemented will be presented.

Session 4: Applying Standards to (new) Technology/Sustainability/Climate Change

- How do we apply standards to new technology used by surveyors?
- How does sustainability apply to surveying?
- How does climate change impact surveyors?

Larry Phipps, LS

Positional Tolerance and the 2011 ACSM-ALTA Standards (morning session 4 PDH)

Professional Ethics for the Georgia Surveyor (afternoon session 4 PDH)

Friday, July 22, 2011

Morning Session 8 a.m. – noon ~ Afternoon Session 1 p.m. – 5 p.m.

Larry Phipps is a Professional Land Surveyor with years of experience and a national reputation as a First Class Surveying Instructor. In the past 10 years his travels have taken him to more than 30 States and 4 Foreign countries. In addition to teaching, he owns and operates a small surveying company in the mountains of North Carolina. Thus, his sometimes controversial views on the business of surveying and the role of the professional in that business are based on real world experience.

He is a 1980 graduate of North Carolina State University. While there he obtained degrees in both Forestry and Wildlife Biology. Since that time he has held leadership positions in many community organizations including stints as President of the Ashe County Chamber of Commerce, and the Ashe Economic Development Counsel. He is also a founding board member of the Ashe Youth Connection



Presentation Outline

Morning Session 8 a.m. - noon

Positional Tolerance and the New ACSM-ALTA Standards - Starting in 2005, surveyors were required to certify that work complied with a stated Positional Tolerance. What does that mean? How do I determine whether or not my work meets the Positional Tolerance? How does this affect not only my ACSM-ALTA surveys, but my other work as well?

This class will discuss those questions and more. We will begin with the fundamental concepts that accompany any sort of Traverse Adjustment and see how they apply to all your work. We will discuss Least Squares Adjustments software and the pages and pages of numbers you get with a typical adjustment. We will look at some real world projects to see what all those numbers are telling us about our job, our equipment, our personnel and ourselves.

Presentation Outline

Afternoon Session 1 p.m. – 5 p.m.

Professional Ethics for the Georgia Surveyor - We all make decisions every day. Some are more difficult than others. As professionals we are required to know and follow certain standards as defined in the Code of Conduct. (GA 180-6). All that sounds simple enough. It is not. This class will challenge your understanding of Ethical behavior and help you with a framework you can use to consistently make Ethical decisions. The discussion in this class will be interesting. Be prepared to think and defend your thoughts.