Southeastern Louisiana University’s situation is unique among the participants of the MAA-SAUM Assessing the Undergraduate Program in Mathematics Workshop in that Southeastern is trying to move from an existing assessment method which was instituted by the University’s administration to one that is being developed by faculty members in the Department of Mathematics. Our paper explains how the new assessment plan will combine current measures of the Department’s performance with new measures that should give a better picture of the Department’s progress toward its goals and the goals of the University. (Received September 06, 2005)