

1077-G1-2098      **Paul von Dohlen\*** (vondohlenp@wpunj.edu). *The Quarterback Passer Rating: Analyzing and Tweaking the QBPR.*

In this talk we will consider rating systems of NFL quarterbacks, focusing primarily on the NFL Quarterback Passer Rating (QBPR). We will analyze the components of the QBPR, consider possible deficiencies in the rating and propose a couple of modifications. In doing so we will also address common criticisms of the rating system, based both on perception and calculation. The work presented is a simple and straightforward modification of the rating aimed at addressing what the author believes to be the two main deficiencies of its calculation. The primary features of the current quarterback passer rating system will be preserved, while the modifications produce desirable results based on calculation and historical perspectives. Furthermore, we will also consider the relevance and impact of ESPN's new Total Quarterback Rating. (Received September 21, 2011)