Web-based language assessment has, in the past decade, become an increasingly common practice. The task of designing and administering a reliable and valid assessment instrument in this paradigm is rife with complex challenges. This presentation will carefully examine the design construct of the Prototype Russian AP® exam as it was administered in May, 2007. Particular attention will be given to (1) measuring and assessing proficiency, (2) exam security, (3) exam monitoring and (4) ensuring equity among examinees.