

# **Buros Institute for Assessment Consultation and Outreach**

## **Psychometric Audit – Stage 2 Application**

A test provider has a responsibility to test users, test takers, and to the public to ensure that their testing program produces meaningful, interpretable scores that can be used in making critical decisions in education, certification, licensure, admissions, placement, and employment. In an effort to provide independent quality assurance of such testing programs, the Buros Institute for Assessment Consultation and Outreach (BIACO) has developed a two-stage audit program framed around the *BIACO Standards for Proprietary Testing Programs* through which each element of the testing program is reviewed against the BIACO Standards.

The first step in the audit process (Stage 1) is for a testing program to submit to BIACO documentation of the testing process for review (see *BIACO Stage 1 Application*). The second step (Stage 2) is for a testing program to submit to BIACO, specific documentation about, and the results from, test form(s) they wish to have reviewed. The sections below detail the types of information that a testing program should provide to BIACO to complete a Stage 2 review. The list of information is designed to be inclusive of multiple types of testing programs. Therefore, a testing program is only expected to provide information for each component that is relevant to the exam form(s) they wish to have reviewed.

### **Organizational Information**

Test Provider:

- Name
- Contact information
- Tests form(s) to be reviewed

Person(s) representing the test provider responsible for submitted materials and answering questions:

- Name(s)
- Title within organization
- Contact information (phone, email, mail)

### **Test Form Information**

#### **1. Exam Forms**

- Number of exam forms administered
- Match of exam forms to test specifications

#### **2. Administration Records**

- Number of examinees who were administered each form
- Number of administrations within a given year

#### **3. Examinee Performance**

- Overall performance by form (mean, median, standard deviation)
- Summary decisions by form (e.g., pass/fail decisions, classification into performance categories)

#### **4. Exam Score Characteristics**

- Internal consistency / statistical error
- Decision consistency
- Equating (cut score equivalence)

#### **5. Item Statistics**

- Item discrimination (e.g., point-biserial correlation, discrimination indices, a-parameters)
- Item difficulty (e.g., p-values, b-parameters)
- Additional analysis (e.g., model fit statistics, DIF, item drift)

#### **6. Item Exposure**

- Item exposure across forms
- Item exposure across years