

**Forensic Assessment Tools for  
Competency, Malingering and Neuropsychological Screening**  
Presentation for *Legal Competency and Restoration Training for Mental Health Experts*  
Paul Simpson, Ed.D., crimeshrink@gmail.com, February 23, 2012

**I. “Why bother with testing?”**

**1) The tectonic shift of Daubert & Rule 702. (see Appendix A)**

*“By replacing Frye’s general acceptance test with the validity standard of Daubert and Rule 702, the Supreme Court took a major step toward integrating the fields of law and psychology... For psychologists who in the past testified more on the basis of clinical consensus than vigorous research, Daubert is likely to constitute a substantial roadblock.”*  
(David Faigman, Psychology, Public Policy, and Law, Vol 1(4), Dec 1995, p. 979)

*“From the bar, attorneys are more likely to challenge expert testimony by filing motion in limine and objecting more often at trial to limit or exclude testimony from an opposing expert ... When successful, these efforts often lead to motions for summary judgment. Attorneys also report that Daubert has prompted them to take a more proactive approach in selecting their own experts and preparing for trial testimony...”*

(McAuliff & Groscup, in *Psychological Science in the Courtroom: Consensus and Controversy* by Jennifer L. Skeem, Kevin S. Douglas and Scott O. Lilienfeld, May 8, 2009, p. 27)

**2) Additional Advantages of Psychological Testing**

- Questions are asked in standardized manner
- Idiosyncratic contributions of interviewer are minimized
- Results are comparable to every other administration of the test
- Clinical prediction, diagnoses, and classifications governed by same decision rules
- Testing does not substitute the professional’s opinion; it serves as an aid.

**II. Tools for Determining Competency (see Appendix B)**

**1) Concerns about the Arizona State Hospital Modified Competency Assessment Instrument.**

**2) Assessment Tools**

- Mini-Mental Status Exam-2
- MacArthur Competence Assessment Tool (MacCAT-CA)
- Evaluation of Competency to Stand Trial – Revised (ECST-R)
- Georgia Court Competency Test-Mississippi State Hospital Version (GCCT-MSH)
- Interdisciplinary Fitness Interview (IFI)
- Competence Assessment for Standing Trial for Defendants with Mental Retardation (CAST-MR)
- Juvenile Adjudicative Competence Interview (JACI)

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### III. Tools for Assessing Malingering

#### 1) Incidence Rates of Malingering in Criminal Cases

- In over 1000 criminal cases 19% were feigning cognitive impairment. Mittenberg, et. al<sup>1</sup>
- 54% of cognitively incompetent criminal cases were determined to be probable or definite cognitive malingering (Ardolt, et.al., 2007, using the Slick criteria)<sup>2</sup>

#### 2) A practical question of time and effort.

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#### 3) Is it feigning of psychosis or cognitive deficits?

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#### 4) Testing for Psychotic Malingering

- Miller Forensic Assessment of Symptoms Test (M-FAST)
  - Evaluation of Competency to Stand Trial – Revised (ECST-R)
  - Structured Interview of Reported Symptoms - 2 (SIRS-2)
  - Structured Inventory of Malingered Symptomatology (SIMS)
  - Malingering Probability Scale (MPS)
  - Millon Clinical Multiaxial Inventory (MCMI-3)
  - Minnesota Multiphasic Personality Inventory – 2 (MMPI-2)
  - Victoria Symptom Validity Test (VSVT)
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#### 5) Testing for Cognitive Malingering

- Inventory of Legal Knowledge
  - Test of Memory Malingering (TOMM, for claimed cognitive deficits)
  - Validity Indicator Profile (VIP, for claimed cognitive deficits)
  - Advanced Clinical Solutions
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<sup>1</sup> Mittenburg, W., Patton, C., Canyock, E. M., & Condit, D. C. (2002). Base rates of malingering and symptom exaggeration. *Journal of Clinical and Experimental Neuropsychology*, 24, 1094-1102.

<sup>2</sup> Ardolf, Barry, Robert Denny, Christi Houston (Nov. 1, 2007) “Base rates of negative response bias and malingered neurocognitive dysfunction among clinical defendants referred for neurological evaluation”, *The Clinical Neurologist*, 21:6, 899-916.

## IV. Tools for Neurological Screening

### 1) Is the condition within the scope of your abilities? You can either:

- Assess it yourself. (But keep in mind how much time and effort you should devote).
  - Recommend further evaluation in your report.
  - Collaborate with a neuropsychologist.
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### 2) Keep in mind that neurological deficits can be comorbid with:

- Schizophrenia
  - Severe alcohol abuse
  - Poly-substance abuse (particularly crystal meth and marijuana).
  - Head trauma
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### 3) Assessing Intelligence

- Kaufman Brief Intelligence Test, Second Edition (KBIT-2)
  - Reynolds Intellectual Assessment Scales (RIAS)
  - Shipley-2
  - Stanford–Binet Intelligence Scales
  - Wechsler Abbreviated Scales of Intelligence – II (WASI-II)
  - Wechsler Adult Intelligence Scale – IV (WAIS-IV)
  - Wide Range Intelligence Test (WRIT)
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### 4) Assessing Memory Impairment and Neurological Damage

- Wechsler Memory Scales – IV (WMS-IV)
  - Halstead-Reitan Neuropsychological Battery
  - Luria-Nebraska Neuropsychological Battery (LNNB)
  - Meyers Neuropsychological System
  - Quick Neurological Screening Test, 3rd Edition (QNST-3)
  - Behavior Rating Inventory of Executive Function–Adult Version (BRIEF-A)
  - Advanced Clinical Solutions
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## 5) Daily Living Skills

- Adaptive Behavior Assessment System, 2nd Ed. (ABAS-II)
  - Advanced Clinical Solutions
  - Assessment of Living Skills and Resources (ALSAR-R2)
  - Behavior Rating Inventory of Executive Function—Adult Version (BRIEF-A)
  - Vineland Adaptive Behavior Scales, Second Edition (Vineland-II)
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## 6) Assessing for ADD and ADHD

- Conners' Continuous Performance Test II (CPT II)
  - Integrated Visual & Auditory Continuous Performance Test – Advanced Ed. (IVA-AE)
  - Test of Variables of Attention – version 8 (T.O.V.A.)
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## 7) Assessing for Autism

- Advanced Clinical Solutions
  - Autism Spectrum Quotient (AQ)
  - Vineland Adaptive Behavior Scales, Second Edition (Vineland-II)
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### *"What Tests Are Acceptable for Use in Forensic Evaluations? A Survey of Experts"*

Stephen Lally. Professional Psychology: Research & Practice, October, 2003, vol. 34, #5, pages 491-498.

A survey of diplomates in forensic psychology regarding both the frequency with which they use and their opinions about the acceptability of a variety of psychological tests in 6 areas of forensic practice. The 6 areas were mental state at time of the offense, risk for violence, risk for sexual violence, competency to stand trial, competency to waive Miranda rights, and malingering.

For competency to stand trial, at least half of the respondents rated the following tests as acceptable: MacArthur Competence Assessment Tool—Criminal Adjudication (MacCAT-CA), Competency to Stand Trial Assessment Instrument, WAIS—III, Competency Screening Test, Interdisciplinary Fitness Interview—Revised, Georgia Court Competency Test, MMPI-2, PAI, Stanford—Binet—Revised, Halstead—Reitan, and Luria - Nebraska. Of these tests, only the MacCAT-CA and the WAIS—III were recommended by the majority. The diplomates were divided between acceptable and no opinion about the acceptability of using the WASI, Georgia Court Competency Test—Mississippi Hospital, and Competency Assessment for Standing Trial for Defendants With Mental Retardation for a competency to stand trial evaluation. The MCMI—III, which the majority of respondents were divided between acceptable and unacceptable, was categorized as equivocal—unacceptable. At least half viewed as unacceptable the MCMI—II, Rorschach, 16PF, projective drawings, sentence completion, and TAT. At least half of the respondents also had no opinion about the use of the Computer Assisted Determination of Competency to Proceed and KBIT.

In regard to the forensic assessment of malingering, the majority of the respondents rated as acceptable the Structured Interview of Reported Symptoms (SIRS), Test of Memory Malingering, Validity Indicator Profile, Rey Fifteen Item Visual Memory Test, MMPI-2, PAI, WAIS-III, and Halstead-Reitan. The SIRS and the MMPI-2 were recommended by the majority. The psychologists were divided between acceptable and unacceptable about using either version of the MCMI (II or III). They were also divided, although between acceptable and no opinion, for the WASI, KBIT, Luria-Nebraska, and Stanford-Binet-Revised. The diplomates viewed as unacceptable for evaluating malingering the Rorschach, 16PF, projective drawings, sentence completion, and TAT. The majority gave no opinion on the acceptability of the Malingering Probability Scale, M-Test, Victoria Symptom Validity Test, and Portland Digit Recognition Test."

## Appendix A: The Daubert Standard according to Wikipedia

The **Daubert standard** is a rule of evidence regarding the admissibility of expert witnesses' testimony during United States federal legal proceedings. Pursuant to this standard, a party may raise a Daubert motion, which is a special case of motion *in limine* raised before or during trial to exclude the presentation of unqualified evidence to the jury. The **Daubert trilogy** refers to three U.S. Supreme Court cases that articulated the Daubert standard:

- *Daubert v. Merrell Dow Pharmaceuticals*, held that Rule 702 of the Federal Rules of Evidence did not incorporate Frye's "general acceptance" test as a basis for assessing admissibility of scientific expert testimony;
- *General Electric Co. v. Joiner*, which held that abuse-of-discretion standard of review was the proper standard for appellate courts to use in reviewing a trial court's decision of whether expert testimony should be admitted;
- *Kumho Tire Co. v. Carmichael*, which held that the judge's gatekeeping function identified in *Daubert* applies to all expert testimony, including that which is non-scientific.

Two of the most important appellate level opinions that clarify the standard include Judge Kozinski's opinion in *Daubert* on remand (*Daubert v. Merrell Dow Pharmaceuticals, Inc.*, 43 F.3d 1311 (9th Cir. 1995)), and Judge Becker's opinion in *In re Paoli R.R. Yard PCB Litig.*, 35 F.3d 717 (3d Cir. 1994). *Weisgram v Marley Co*, 528 US 440 (2000) is also considered a significant case.

In *Daubert*, seven members of the Supreme Court agreed on guidelines for admitting scientific expert testimony:

- **Judge is gatekeeper:** Under Rule 702, the task of "gatekeeping", or assuring that scientific expert testimony truly proceeds from "scientific knowledge", rests on the trial judge.
- **Relevance and reliability:** This requires the trial judge to ensure that the expert's testimony is "relevant to the task at hand" and that it rests "on a reliable foundation". *Daubert v. Merrell Dow Pharms., Inc.*, 509 U.S. 579, 584-587. Concerns about expert testimony cannot be simply referred to the jury as a question of weight. Furthermore, the admissibility of expert testimony is governed by Rule 104(a), not Rule 104(b); thus, the Judge must find it more likely than not that the expert's methods are reliable and reliably applied to the facts at hand.
- **Scientific knowledge = scientific method/methodology:** *Scientific knowledge* qualifies if it is the product of sound "scientific methodology" derived from the scientific method.
- **Factors relevant:** The Court defined "scientific methodology" as the process of formulating hypotheses and then conducting experiments to prove or falsify the hypothesis, and provided a nondispositive, nonexclusive, "flexible" test for establishing its "validity":
  1. Empirical testing: the theory or technique must be falsifiable, refutable, and testable.
  2. Subjected to peer review and publication.
  3. Known or potential error rate.
  4. The existence and maintenance of standards and controls concerning its operation.
  5. Degree to which the theory and technique is generally accepted by a relevant scientific community.

In 2000, Rule 702 was amended. The rule now reads as follows:

### **Rule 702. Testimony by Experts**

If scientific, technical, or other specialized knowledge will assist the trier of fact to understand the evidence or to determine a fact in issue, a witness qualified as an expert by knowledge, skill, experience, training, or education, may testify thereto in the form of an opinion or otherwise, if (1) the testimony is based upon sufficient facts or data, (2) the testimony is the product of reliable principles and methods, and (3) the witness has applied the principles and methods reliably to the facts of the case. (As amended Apr. 17, 2000, eff. Dec. 1, 2000.)

Prior to *Daubert*, relevancy in combination with the *Frye* test were the dominant standards for determining the admissibility of scientific evidence in Federal courts. *Frye* is based on a 1923 Federal Court of appeals ruling involving the admissibility of polygraph evidence. Under *Frye*, the Court based the admissibility of testimony regarding novel scientific evidence on whether it has "gained general acceptance in the particular field in which it belongs." The trial court's gatekeeper role in this respect is typically described as conservative, thus helping to keep pseudoscience out of the courtroom by deferring to those in the field.

In *Daubert*, the Supreme Court ruled that the 1923 *Frye* test was superseded by the 1975 Federal Rules of Evidence, specifically Rule 702 governing expert testimony. Rule 702 originally stated (in its entirety), "If scientific, technical, or other specialized knowledge will assist the trier of fact to understand the evidence or determine a fact in issue, a witness qualified as an expert by knowledge, skill, experience, training, or education, may testify thereto in the form of an opinion or otherwise."

In *Daubert*, the Court ruled that nothing in the Federal Rules of Evidence governing expert evidence "gives any indication that 'general acceptance' is a necessary precondition to the admissibility of scientific evidence. Moreover, such a rigid standard would be at odds with the Rules' liberal thrust and their general approach of relaxing the traditional barriers to 'opinion' testimony."

## **Appendix B: Description of Forensic Tests**

### **Adaptive Behavior Assessment System, 2nd Ed. (ABAS-II, @ parinc.com)**

Useful for diagnosing and classifying disabilities and disorders, for identifying an individual's strengths and limitations, and for documenting and monitoring performance over time, the ABAS-II provides a comprehensive norm-referenced assessment of adaptive skills in individuals ages birth-89 years. It assesses individuals who may be experiencing difficulties with the daily adaptive skills necessary for functioning effectively in their environments. The measure provides for the assessment of an individual by multiple respondents (i.e., parents, teachers, family members, the individual), evaluates function across multiple environments, and contributes to a complete assessment of the daily functional skills of an individual.

### **Advanced Clinical Solutions (at pearsonassessments.com)**

ACS for WAIS-IV and WMS-IV is designed to enhance the clinical utility and expand the construct coverage of these respected tests. This new tool provides a common and related sample linking WAIS-IV, WSM-IV, executive function, social cognition, and daily living. Neuropsychologists and general clinicians can use ACS with special populations in a variety of settings, including:

- In forensic settings to measure pre-morbid IQ and effort
- With individuals who have traumatic brain injury to assess executive function and social perception

### **Assessment of Living Skills and Resources (ALSAR-R2)**

**A free resource at [http://sydney.edu.au/health\\_sciences/ageing\\_work\\_health/docs/Clemson\\_ALSAR.pdf](http://sydney.edu.au/health_sciences/ageing_work_health/docs/Clemson_ALSAR.pdf)**

The Assessment of Living Skills and Resources, ALSAR, is an instrument developed to help health professionals assess instrumental activities of daily living. It focuses on accomplishment of tasks rather than potential capabilities. It is completed as an interview and supplemented with observation of skills whenever possible.

### **Autism Spectrum Quotient (AQ)**

**A free resource at <http://www.wired.com/wired/archive/9.12/aqtest.html>**

A questionnaire published in 2001 by Simon Baron-Cohen and his colleagues at the Autism Research Centre in Cambridge, UK. Consisting of fifty questions, it aims to investigate whether adults of average intelligence have symptoms of autism or one of the other autism spectrum conditions. More recently, versions of the AQ for children and adolescents have also been published. The test was popularized by Wired Magazine in December 2001 when published alongside their article, "The Geek Syndrome". It is commonly used for self-diagnosis of Asperger syndrome and high-functioning autism, although it is not intended to be a diagnostic test.

### **Behavior Rating Inventory of Executive Function—Adult Version (BRIEF-A, at parinc.com)**

The BRIEF-A is a standardized measure that captures views of an adult's executive functions or self-regulation in his or her everyday environment. Two formats are used—a self-report and an informant report. The Self-Report Form is designed to be completed by adults 18-90 years of age, including adults with a wide variety of developmental, systemic, neurological, and psychiatric disorders such as attention disorders, learning disabilities, autism spectrum disorders, traumatic brain injury, multiple sclerosis, depression, mild cognitive impairment, dementias, and schizophrenia. The Informant Report Form is administered to an adult informant who is familiar with the rated individual's everyday functioning. It can be used alone when the rated individual is unable to complete the Self-Report Form or has limited awareness of his or her own difficulties, or with the Self-Report Form to gain multiple perspectives on the individual's functioning. When administered in conjunction with the Self-Report Form, the BRIEF-A Informant Report Form provides a more clinically comprehensive picture of the individual being rated.

### **Competence Assessment for Standing Trial for Defendants with Mental Retardation (CAST-MR at idspublishing.com)**

*The Basics:* The CAST-MR was designed specifically to test the competency of individuals already diagnosed as mentally retarded to assist in their legal defense. The CAST-MR consists of 50 questions in three sections. The first section contains 25 written multiple choice questions that test defendants' understanding of basic legal terms. The second section contains 15 written multiple choice questions designed to test defendants' ability to assist in their own defense. Both the first and second sections require roughly a 4th grade reading level. The last section consists of 10 open ended questions regarding the defendant's specific case asked orally by the examiner. The test manual provides the test administrator with scoring guidelines for each question asked (0, 1/2 point, or 1 point). Typically, the test takes between 30-45 minutes to administer.

*Strengths and Weaknesses:* While there is limited peer reviewed research on the CAST-MR, the research that does exist suggests that it has high validity. In addition, because the test is specifically designed for those who have already been diagnosed as mentally retarded, the test is able to provide an analysis into the minds of defendants that most other tests are not designed to reach.

*Critical Issues:* While the CAST-MR is designed to test a population that has already been diagnosed as mentally retarded, it still requires a 4th grade reading level which could present a problem if the defendant taking it falls below that level.

*Sample Questions:* What does a judge do? (a) defends you, (b) decides on the case, or (c) works for your attorney. What if the police ask you to sign something and you don't understand. What should you do? (a) refuse to talk to them, (b) sign it anyway, or (c) ask to see your lawyer. (text from wordpress.com)

### **Competency Screening Test (CST)**

*The Basics:* The CST is a 22 question written exam that is designed to screen out those defendants who are clearly competent to stand trial. The 22 questions ask the defendant to complete various sentences with scores for each answer ranging from 0-2. Defendants who score below a 20 are supposed to be given a comprehensive evaluation in order to determine the extent of the competency issues present.

*Strengths and Weaknesses:* While the CST has some problems with "false positives" (labeling defendants incompetent who are actually competent), the rate for "false negatives" (labeling an incompetent defendant as a competent one) is relatively low.

*Critical Issues:* Be aware that the CST's false positive rates leave room to discredit a diagnosis of incompetent as an error in the test. It's also important to remember that the CST doesn't provide descriptions of the examinee's performance. The test only provides a score which is supposed to indicate if a follow up test is needed.

*Sample Questions:* When I go to court my lawyer will \_\_\_\_\_. If the jury finds me guilty, I \_\_\_\_\_. (text from wordpress.com).

### **Competency Assessment Instrument (CAI)**

*The Basics:* The CAI's primary goal is to provide a comprehensive evaluation of competency to stand trial. The CAI is a semi-structured oral interview designed to test 13 different legal skills such as "quality of relating to attorney" and "understanding of court procedure." The test typically takes between 30-45 minutes. Although the CAI manual does not provide formal scoring criteria, it does provide a suggested 1-5 scoring scale (1=total incapacity, 5=no incapacity) as well as sample questions.

*Strengths and Weaknesses:* In light of the fact that the CAI provides no formal scoring procedure, using the CAI scales to reach formal conclusions isn't really a possibility.

*Critical Issues:* Because the CAI doesn't have a formal scoring procedure, it's not technically a formal psychological assessment. However, the CAI can be used to alert attorneys to potential competency issues in their cases.

*Sample Questions:* Do you have confidence in your lawyer? What do you think would happen if you spoke out or moved around in the court room without permission? Suppose a witness against you lied in the court room, what would you do? (text from wordpress.com)

### **Computer-Assisted Determination of Competency Procedure (CADCOMP)**

*The Basics:* The CADCOMP is designed to collect data from a defendant and organize it into a computer generated written report that may help an examiner narrow her focus her clinical interview. The actual test is a computer assisted self-reporting questionnaire consisting of 272 questions (mostly yes/no, true/false, multiple choice) designed to investigate a defendant's social history, legal knowledge, and psychological background.

*Strengths and Weaknesses:* While the results of the CADCOMP may help paint a clearer overall picture of the defendant's competency, the lengthy administration time and the need for a follow up interview can make the test time rather extensive.

*Critical Issues:* The CADCOMP presumes a relatively high reading ability. It also requires a defendant to have a basic ability to follow computer commands. This could present serious issues for under-educated defendants, or even defendants who simply lack basic computer knowledge. Also, because the CADCOMP is self-administered, if an examiner relies too heavily on the information provided by the defendant, it is entirely possible they can miss another mental defect the defendant did not mention. (text from wordpress.com)

### **Conners' Continuous Performance Test II (CPT II) Version 5 (at [pearsonassessments.com](http://pearsonassessments.com))**

Restandardized and updated, still contains the unique Conners' paradigm, which is widely used in the assessment of individuals suspected of having "attention" problems. Respondents must press the space bar or click the mouse when any letter except the target letter appears.

### **Evaluation of Competency to Stand Trial – Revised (ECST-R at parinc.com)**

The ECST-R is an objective measure of competency. It includes systematic screenings for feigned incompetency-- (psychotic and nonpsychotic domains) with two detection strategies (i.e., atypical presentation and symptom severity) to screen for feigned incompetency. The ECST-R is appropriate for use with individuals ages 18 years and older who are involved in adult proceedings. It was also validated on defendants with a range of cognitive abilities. Most defendants with functional intelligence in the borderline and upper level of mild mental retardation (i.e., IQs = 60-69) can be tested with the ECST-R.

Dr. Marvin Acklin comments; *“The ECST-R, developed by Richard Rogers and his colleagues, is a hybrid interview organized into separate semistructured and unstructured components, designed for use ‘as a validated psychological measure for competency to stand trial and closely related psycholegal constructs’ (Rogers, Tillbrook, & Sewell, 2004). The measure is designed for individuals 18 years of age or older, for individuals with IQs greater than 60, with English-speaking populations. The measure provides a number of scales derived from the Dusky standard: ability to consult with counsel, factual understanding of court proceedings, rational understanding of courtroom proceedings, and reflecting Rogers’s ongoing interest, atypical presentation, which assesses response style and potential attempts to feign incompetence. Here too the psychometric properties of the measure are quite strong and the manual details the research foundations of the measure.”*

*Marvin W. Acklin, Ph.D. (December 13, 2010. www.hawaiiforensicpsychology.com)*

### **Georgia Court Competency Test-Mississippi State Hospital Version (GCCT-MSH at apa.org)**

*The Basics:* The GCCT-MSH was originally designed to screen out defendants who are clearly competent from those who may need further evaluation. The GCCT-MSH consists of 21 questions and takes about 10-15 minutes. The first 7 questions ask a defendant to visually identify the location of certain actors in the court room. These questions are followed by questions about the functions of actors in the court room, what the defendant’s charges are, and the consequences the defendant is facing.

*Strengths and Weaknesses:* The GCCT-MSH is a very easy to administer and is one of the only tests that asks defendants to visually identify items. However, around a third of these questions deal with relatively superficial issues (“who sits where”) and may not actually demonstrate concrete understanding of the legal process.

*Critical Issues:* Because the test allows defendants to answer questions through visual identification, this test may be better for clients with limited education or poor verbal skills. However, the GCCT does not address a client’s ability to consult or assist his attorney, an important part of competency.

*Sample Questions:* If the jury finds you guilty, what might they do? What are you charged with? (text from wordpress.com)

### **Halstead-Reitan Neuropsychological Battery (at parinc.com)**

This consists of a combination of neuropsychological tests used to assessment the possible physical aspects and localization of neurological damage. The Battery includes: Trails A and B (which see how quickly a patient can connect a sequence of numbers (trail A) or numbers and letters (trail B). Controlled Oral Word Association Test (COWAT, or Verbal Fluency) - a measure of a person's ability to make verbal associations to specified letters. Halstead Category Test (including seven subtests which form three factors: a Counting factor (subtests I and II), a Spatial Positional Reasoning factor (subtests III, IV, and VII), and a Proportional Reasoning factor (subtests V, VI, and VII).) Tactual Performance Test, Rhythm Test, Speech Sounds Perception Test and Finger Oscillation Test.

### **Integrated Visual & Auditory Continuous Performance Test – Advanced Ed. (IVA-AE at braintrain.com)**

The IVA-AE (Advanced Edition) is a combined visual and auditory continuous performance test of attention and response control. It is unique in that it is the only CPT designed specifically to help clinicians identify and measure attention problems in the adult population. The IVA-AE is normed for ages 18 – 50 (N=236, divided by gender). It can be used either alone or in conjunction with the IVA+Plus. The task is quite challenging – visual and auditory numbers from 2 to 8 are presented at one-second intervals; the task is to click when you see a 3 or hear a 5. Different numbers are presented simultaneously visually and aurally. For example, an auditory 3 may be presented at the same time as a visual 6. Thus, the subject is challenged to keep the rule in mind and maintain his or her attention to the task of making constant quick “go” or “no go” decisions. The verbal stimuli are spoken by a variety of different voices, and the numbers are displayed using a variety of different fonts. The clinician can opt to use the short version (10 minutes) or the extended version (20 minutes) of the test.



### **Interdisciplinary Fitness Interview (IFI. at wiley.com)**

*The Basics:* The IFI is a 45 minute semi structured interview designed to be administered jointly by a mental health professional and an attorney in order to provide a general overall rating of “fit” or “unfit.” The IFI examines different areas of legal functioning and the presence of psychological defects including hallucinations, amnesia, and mental retardation. A defendant’s responses are scored from 0-2, 0 suggesting no incapacity and 2 suggesting severe incapacity.

*Strengths and Weaknesses:* The IFI is one of the few tests that directly incorporates an attorney into the exam. This allows attorneys to collect data from the defendant on factors directly relevant to her case. However, there has been little empirical research done on the IFI. However, the few studies that do exist suggest it is a highly reliable test.

*Critical Issues:* Because the IFI lacks significant research supporting the IFI’s validity, the results might be easier to challenge. (text from wordpress.com)

### **Inventory of Legal Knowledge (at parinc.com)**

The ILK is designed to assist the forensic examiner in assessing response styles of defendants undergoing evaluations of adjudicative competence. The ILK is *not* a test of adjudicative competence. It is solely a measure of response style; more specifically, it is a measure of a defendant’s approach to inquiries about his or her legal knowledge. Written in simple language, the ILK contains 61 true-or-false items about the legal process. Orally administered by an examiner in about 15 minutes (making the instrument suitable for illiterate defendants), the ILK can be used anywhere—including jails and other secure facilities—and scored quickly.

To detect feigned deficits in legal knowledge, the ILK utilizes two strategies. The first identifies defendants as feigning based on scores that are significantly lower than scores expected by chance. The second identifies defendants as feigning based on scores that are significantly lower than those attained by relevant normative groups. The ILK’s detection strategies are to be utilized sequentially. That is, the examiner first determines whether the examinee’s score on the ILK is significantly below chance. If it is, then the second strategy need not be utilized because a significantly below chance score results in an essentially unequivocal interpretation. If, however, the examinee’s ILK score is not significantly below chance, then the examiner compares the obtained score to scores that have been derived from relevant comparison groups.

### **Juvenile Adjudicative Competence Interview (JACI) (at prepress.com)**

This is included in Thomas Grisso’s book; *Evaluating Juveniles’ Adjudicative Competence*. This is the first comprehensive guide offering clinicians the special concepts, procedures, and methods necessary to perform juvenile evaluations using a developmental perspective. The book’s approach to evaluating youths’ competence to stand trial is consistent with nearly a decade of research by the John D. and Catherine T. MacArthur Research Network on Adolescent Development and Juvenile Justice.

Written in 17 brief units, this guide for forensic clinicians begins with essential concepts that provide a sound legal and developmental psychological foundation for these evaluations. The guide then proceeds to describe in detail special considerations for designing the evaluation, collecting data in ways that are sensitive to deficits in youths’ abilities due to clinical disorders and potential developmental immaturity, and interpreting the results to address the special challenges associated with identifying juveniles’ capacities and deficits as trial defendants. The guide’s Appendices and CD-ROM (included with the book) provide a number of original forms and checklists for use in this evaluation process, including a structured interview - the Juvenile Adjudicative Competence Interview (JACI) - that assists clinicians in obtaining essential data related to youths’ strengths and deficits with legal and developmental relevance for their competence to stand trial.

### **Kaufman Brief Intelligence Test, Second Edition (KBIT-2, atwpspublish.com)**

The Second Edition is administered in 20 minutes. It assesses both verbal and nonverbal intelligence in people from 4 through 90 years of age. The KBIT-2 is composed of two separate scales. The Verbal Scale contains two kinds of items--Verbal Knowledge and Riddles--both of which assess crystallized ability (knowledge of words and their meanings). Items cover both receptive and expressive vocabulary, and they do not require reading or spelling.

### **Luria-Nebraska Neuropsychological Battery (LNNB, (atwpspublish.com)**

Provides a comprehensive yet flexible measure of neuropsychological functioning for 15 years and up. This widely used battery includes standardized administration and scoring to produce a comprehensive measure of neuropsychological functioning. The LNNB is used to diagnose cognitive deficits, including lateralization and localization of focal brain impairments. It also detects very specific problems, as well as mild impairment that might otherwise go unnoticed. Designed for individuals ages 15 and older and can be administered in 1.5 to 2.5 hours. Depending on the patient’s condition, it can be given in a single session or in a series of brief sessions.

### **MacArthur Competence Assessment Tool (MacCAT-CA at [prpress.com](http://prpress.com))**

*The Basics:* The MacCat-CA was designed specifically to test a defendant's psychological abilities relevant to competence to proceed. The test is a broader inquiry into competency issues including insight into rational thinking, understanding and recognition of relevant information. The test consists of 22 questions and takes about 30 minutes to complete. The first 16 questions are based on a defendant's understanding of a short story of two men who get into a fight. The last 6 questions are specifically geared to test a defendant's understanding of his own circumstances.

*Strengths and Weaknesses:* Unlike other competency tests, the MacCAT-CA includes a distinction between the defendant's current legal knowledge and his capacity to obtain such knowledge.

*Critical Issues:* Because the reasoning scale is based on a hypothetical story, the defendant may be more or less reasonable when the outcome affects him directly. It's important to determine whether or not a defendant's competency extends to hypothetical situations, as well as his own. (text from [wordpress.com](http://wordpress.com))

Dr. Marvin Acklin comments; "*The MacCAT-CA, developed by the MacArthur Foundation Research Network on Mental Health and the Law, is the queen of CST instruments. The 22-item measure assesses three Dusky-derived competence-related abilities: understanding, reasoning, and appreciation. The instrument was normed on adult defendants. Defendant's capacities are assessed through responses to a series of vignettes. Scores for each vignette are summed and compared to three groups of defendants (N = 729), including unscreened jail inmates, jail inmates receiving mental health services, and hospitalized incompetent defendants. Normative interpretation of MacCAT-CA scores include minimal/none, mild, and clinically significant impairment. The psychometrics of the measure is well detailed in the manual. Although the vignette methodology has received some criticism, in this reviewer's opinion, the primary strength of the measure is the opportunity to evaluate the quality of the defendant's reasoning: the basis for decisional competency. The open response format seems particularly sensitive to the infiltration of impaired reasoning. The professional manual provides a conceptual background for the instrument and detailed exposition of norms, reliability, and validity information. The administration time typically requires 25-45 minutes.*"

Marvin W. Acklin, Ph.D. (December 13, 2010. [www.hawaiiforensicpsychology.com](http://www.hawaiiforensicpsychology.com))

### **Malingering Probability Scale (MPS, at [wpspublish.com](http://wpspublish.com))**

A brief self-report inventory to determine the likelihood that an individual is exaggerating claims of mental illness.

### **Meyers Neuropsychological System (at [meyersneuropsychological.com](http://meyersneuropsychological.com))**

The Meyers Neuropsychological System is not dependent upon any specific neuropsychological battery of tests, but does have an extensive database used for comparing your patient's data with various patient groups. The current database is 8000 subjects with 70+ comparison groups identified.

### **Miller Forensic Assessment of Symptoms Test (M-FAST 2 parinc.com)**

The M-FAST is a brief 25-item screening interview for individuals ages 18 years and older that provides preliminary information regarding the probability that an individual is feigning psychiatric illness. The M-FAST focuses exclusively on malingered psychiatric illness.

### **Million Clinical Multiaxial Inventory (MCMI-3 at [pearsonassessment.com](http://pearsonassessment.com))**

*The Basics:* The MCMI-3 is a test designed to help detect personality disorders that correlate to the information found in the DSM-IV (Diagnostic and Statistical Manual of Mental Disorders, 4<sup>th</sup> edition). The test contains 175 true/false questions that are normally presented in writing, but in some cases may be presented by a computer. The questions are designed to test for personality disorders as well as underlying clinical issues like drug and alcohol dependence.

*Strengths and Weaknesses:* The MCMI-3 was standardized with a group of 600 clinical patients and 8.5% came from inmate populations. This helps provide support for the usage of the MCMI-3 in court. However, the MCMI-3 doesn't give data on the standard error rate of the exam, meaning there is little data to gauge the potential error rate of the exam.

*Critical Issues:* The test requires an 8th grade reading level. If the exam is given to someone who falls below that level, the results of the exam become easier to challenge. (text from [wordpress.com](http://wordpress.com))

### **Minnesota Multiphasic Personality Inventory - 2 (MMPI-2 at [pearsonassessments.com](http://pearsonassessments.com))**

*The Basics:* The MMPI-2 is designed to evaluate thoughts, emotions and behavioral traits. Ultimately, the results of the test are supposed to reflect the strengths and weaknesses of an individual's personality and in the process, help identify various mental disorders and defects. The MMPI-2 is a written test containing 567 true/false statements. The test is typically administered in writing and takes between 60-90 minutes to complete. However, the test may also be given by a computer. The test is given to adults 18 years or older, though a version of the MMPI-2, the MMPI-A has been designed for adolescents age 14-18.

*Strengths and Weaknesses* The MMPI-2 continues to be one of the most commonly used tests by psychologists and other mental health providers. Despite its popularity, the MMPI-2 has not been able to demonstrate consistent patterns that help predict legally relevant issues like recidivism rates and violence.

*Critical Issues:* Because of the tests length and breadth (567 questions!), it requires anywhere between a 5th grade to an 8th grade reading level to complete. This could present serious problems when dealing with poorly educated test takers, test takers who are suffering from a neurological injury, test takers who are under the influence of drugs and alcohol, etc. (text from wordpress.com)

#### **Mini-Mental Status Exam-2 (at parinc.com)**

The original MMSE is one of the most frequently used brief assessments of cognitive impairment. With a new standard version that is equivalent to the original MMSE and new brief and expanded forms, the MMSE-2 retains the original's clinical utility and efficiency while expanding its usefulness in populations with milder forms of cognitive impairment, including subcortical dementia. An even briefer version, the new MMSE-2: Brief Version (MMSE-2:BV), is designed for rapid assessment in a variety of settings. Equivalent, alternate forms (Blue and Red) of each MMSE-2 version have been developed to decrease the possibility of practice effects that can occur over serial examinations.

#### **Psychological Assessment Inventory (PAI at parinc.com)**

*The Basics:* The PAI is a personality test designed to provide information relevant for a clinical diagnosis and to measure both the severity and breadth of any psychological defects discovered. The test is composed of 344 questions whose responses are rated on a 4 point scale ranging from false, not at all true, to very true. The test takes about an hour with someone with a 4th grade reading level or above to complete. The exam is designed to be given in writing with the test taker sitting in a desk or a table by himself.

*Strengths and Weaknesses:* The results of the PAI have been shown as useful in predicting future violence and recidivism rates. However, this test is relatively new and its validity isn't as established as some other personality tests, like the MMPI-2.

*Critical Issues:* The test requires a 4th grade reading level and may not be appropriate for people who fall below that level. In addition, because the PAI is a newer exam, its results are easier to challenge in court. (text from wordpress.com)

#### **Quick Neurological Screening Test, 3rd Edition (QNST-3, at parinc.com)**

An assessment of motor skills, the QNST-3 documents the presence of neurological soft signs (NSSs), which can indicate neural trauma and are often harbingers of learning difficulties in individuals without a history of trauma. Expanded norms now cover not only children but also adults, including the geriatric population. QNST-3 tasks are commonly used in traditional neurologic exams and require no special equipment.

#### **Rey's 15-Item-Visual Memory Test (at apa.org)**

Rey (1964) devised a simple 15-item visual memory test to detect faking or exaggeration of memory complaints.

#### **Reynolds Intellectual Assessment Scales (RIAS at wpspublish.com)**

The RIAS is an individually administered test of intelligence appropriate for ages 3 through 94 years, which includes a co-normed, supplemental measure of memory. The RIAS includes a two-subtest Verbal Intelligence Index (VIX), a two-subtest Nonverbal Intelligence Index (NIX), and a Composite Intelligence Index (CIX). The CIX assesses overall general intelligence, including the ability to reason, solve problems, and learn. The VIX assesses verbal intelligence by measuring verbal problem solving and verbal reasoning where acquired knowledge and skills are important. The NIX assesses nonverbal intelligence by measuring reasoning and spatial ability, using novel situations and stimuli that are predominantly nonverbal. Administration of the four intelligence subtests by a trained, experienced examiner requires approximately 20 to 25 minutes.

#### **Shipley-2 (atwpspublish.com)**

The *Shipley Institute of Living Scale* has been widely used to assess cognitive functioning and impairment. Revised and restandardized, this new version continues to offer a brief yet robust measure of both crystallized and fluid intelligence---now with updated norms, an expanded age range, a nonverbal Block Patterns scale, and unlimited-use computer scoring.

### **Structured Interview of Reported Symptoms – Version 2 (SIRS-2 at parinc.com)**

The *Structured Interview of Reported Symptoms-Version 2* (SIRS-2) is a controlled interview designed to detect malingering and other forms of feigning of psychiatric symptoms. The content covers a wide range of psychopathology, as well as symptoms that are unlikely to be true. The SIRS-2 is designed to detect eight response styles commonly associated with feigning. Each of these response styles are described by one of four classifications: 1) honest, 2) indeterminate, 3) probable feigning, or 4) definite feigning

The SIRS consists of eight primary and five supplementary scales for the assessment of feigning, including a scale to assess defensiveness; the content of each scale varies so that endorsement of items on a particular scale does not reflect any specific mental disorder. It is appropriate for individuals ages 18 – 100 years old. It takes approximately 1 hour to administer.

### **Structured Inventory of Malingered Symptomatology (SIMS at parinc.com)**

The SIMS is a 75-item, true/false screening instrument that assesses for both malingered psychopathology and neuropsychological symptoms. The instrument reduces clinician burden and increases assessment efficiency by serving as a screen for malingering and by reducing hands-on administration time. In addition to serving as a screening measure, the SIMS can be used as part of a battery of tests providing convergent evidence of malingering, rather than relying on a single instrument for diagnosis. The SIMS also is recommended as part of a comprehensive approach to evaluation alternative hypotheses for response patterns are to be considered. The SIMS is written at a 5th-grade reading level and is appropriate for ages 18 years and older.

### **Stanford–Binet Intelligence Scales (at wpspublish.com)**

This test initiated the modern field of intelligence testing and was one of the first examples of an adaptive test. The test originated in France, then was revised in the United States.

### **Test of Memory Malingered (TOMM at parinc.com)**

The TOMM instrument is designed to provide a reliable, economical first step as part of a full psychological battery to help assess whether an individual is falsifying symptoms of memory impairment. It is given to defendants 16 and older. It takes approximately 15 to 25 minutes to administer.

### **Test of Variables of Attention – version 8 (T.O.V.A. at tovatetest.com)**

The T.O.V.A. promotes data based clinical decision making with its objective information about attention and impulsivity - information that clinicians do not obtain from behavior ratings and history alone. The T.O.V.A. correctly identifies over 86% of ADHD cases and the “hit” rate improves with the addition of other clinical information.

### **Validity Indicator Profile (VIP at pearsonassessments.com)**

The Validity Indicator Profile (VIP) is a general assessment of response style designed to identify valid and invalid responding. The VIP can be used as a validity indicator for concurrently administered tests. It is given to subjects 18-69 years of age. It takes approximately 1 hour to administer.

### **Victoria Symptom Validity Test (VSVT (at parinc.com)**

Suitable for use in both outpatient and inpatient settings, the VSVT is a computerized test that uses a forced-choice (two-alternative) model to assess possible exaggeration or feigning of cognitive impairments. Test interpretation compares the respondent's performance to what is expected to occur on the basis of chance alone; this binomial-based approach to respondent classification minimizes the risk of false positives.

### **Vineland Adaptive Behavior Scales, Second Edition (Vineland-II at pearsonassessments.com)**

A leading measure of personal and social skills needed for everyday living. It identifies individuals who have Intellectual and Developmental Disabilities, developmental delays, autism spectrum disorders, and other impairments.

### **Wechsler Abbreviated Scales of Intelligence – II (WASI-II at pearsonassessments.com)**

The WASI-II provides a brief, reliable measure of cognitive ability. This revision maintains the format and structure of the WASI while offering new content and improvements to provide greater clinical utility and efficiency. If a full WAIS – IV is administered later – the four scales on the WASI-II can be transferred over, thus reducing the number of scales that have to be administered on a subsequent WAIS-IV.

### **Wechsler Adult Intelligence Scale – IV (WAIS-IV at pearsonassessments.com)**

Designed to measure intelligence in adults and older adolescents. The 4<sup>th</sup> edition was released in 2008 by Pearson.

**Wechsler Memory Scales – IV (WMS-IV at [pearsonassessments.com](http://pearsonassessments.com))**

The **Wechsler Memory Scale (WMS)** is a neuropsychological test designed to measure different memory functions in a person. It can be used with people from age 16 through 90. The current version is the fourth edition (WMS-IV) which was published in 2009 and which was designed to be used with the WAIS-IV. WMS-IV is made up of seven subtests: Spatial Addition, Symbol Span, Design Memory, General Cognitive Screener, Logical Memory, Verbal Paired Associates, and Visual Reproduction. A person's performance is reported as five Index Scores: Auditory Memory, Visual Memory, Visual Working Memory, Immediate Memory, and Delayed Memory.

**Wide Range Intelligence Test (WRIT at [wpspublish.com](http://wpspublish.com))**

Individually administered in just 20 to 30 minutes, this efficient intelligence test yields a Verbal Reasoning IQ, a Visual Reasoning IQ, and a Composite IQ. Appropriate for use with people from 4 to 85 years of age, the WRIT was co-normed with the Wide Range Achievement Test to help psychologists make valid comparisons between intellectual and academic functioning. The WRIT is composed of four subtests, selected for their historically high loadings on Spearman's "g" factor. Two of the subtests assess verbal-crystallized abilities, which are more dependent on acquired knowledge, and two measure nonverbal-fluid abilities, which are environmentally and culturally reduced.