DWI Defense Manual

Bridging the Gap between <u>Drunk</u> Driving and <u>Drugged</u> Driving

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Police Training and Introduction

1. Preface

- A. The information in this Manual comes from a variety of materials whose accuracy cannot reasonably be questioned. Almost nothing is original. It is meant to be used as a quick and ready reference sheet for the DWI practitioner.
- B. The goal is to distill my years of education and trial experience, as well as 1,136 pages of NHTSA training materials, into one comprehensive easy-to-use Manual. Its focus is on a topic many defense attorneys struggle to understand due to a lack of available information as well as training: Medication and/or drug impairment.

2. <u>Introduction</u>

- A. This Manual is comprehensive: It covers the initial standardized field sobriety course all the way through the drug recognition expert course and much more. Some of the information in this Manual is "entry level"; some "highly advanced." Use the table of contents to locate the answers to your questions.
- B. Why did I write this Manual? Experience has shown that most prosecutors, defense attorneys, and yes, even judges, believe that if an officer has successfully completed the National Highway Traffic Safety Administration's (hereinafter "NHTSA") DWI Detection and Standardized Field Sobriety Testing (hereinafter "SFST") training course that the officer, in all cases, (a) is qualified and (b) provides a reliable opinion of appreciable impairment for all offenses involving DWI, regardless of the alleged impairing substance involved in the case. Those beliefs, especially in cases that do not involve central nervous system depressants, are inaccurate. All drugs affect the body in a predictable fashion with different categories affecting the body differently. Drugs that Impair Driving Session II Page 1. Accordingly, it falls upon the defense bar to closely examine the officer's opinion of impairment. There are often a number of issues, including:

¹ The A.R.I.D.E. Manual states as follows:

[&]quot;In order to effectively recognize whether a subject is under the influence of alcohol and/or drugs, it is important for the participant to be able to identify the effects of these substances in humans. This process is dependent ... on recognizing ... observable signs and symptoms related to an impaired subject." A.R.I.D.E. Session IV Page 3 of 12.

- i. The officer's observations are not consistent with the type of intoxication the State is trying to prove. For example, the officer claims he observed all six HGN clues and that the defendant was impaired from Cannabis. It is undisputed, however, that a person under the influence of Cannabis will not show any HGN.
- ii. The officer did not observe the signs of intoxication he or she is trained to look for. For example, law enforcement is trained to attempt the HGN test in an impaired driving case; a person who is under the influence of an inhalant would show HGN; the officer suspected the defendant was under the influence of an inhalant but never checked for HGN. In beyond a reasonable doubt terminology, this is a "lack or insufficiency of the evidence" argument.
- iii. The officer made observations that are consistent with conditions that may mimic impairment by alcohol, drugs, or medications. For more, see the section entitled "Conditions Which May Mimic Drug Impairment."
- iv. The officer did not perform the Field Sobriety Tests according to NHTSA standards. Validation applies only when the tests are administered in the prescribed, standardized manner. SFST Student Manual Page VIII-19. If any one of the SFST elements is changed, the validity is compromised. <u>Id.</u>
- C. Important note These materials do not include physiology of alcohol, physiology of drugs (including pharmacology, pharmacokinetics, and pharmacodynamics), and toxicology. Those topics are for another time, another place.
- 3. <u>Seven Different NHTSA Training Courses/Manuals</u>
 - A. NHTSA DWI Detection and SFST Testing (hereinafter cited as "SFST Student Manual").
 - i. This is the **first** training course in SFSTs as taught by NHTSA. I have found that a large amount of law enforcement officers have **not completed any** training in SFSTs other than from BLET. Of the officers that have received training in SFSTs, most (other than State Troopers) have merely completed this course which almost exclusively deals with alcohol impairment. Simply put, a large amount of officers

providing a "reliable" lay opinion of appreciable impairment every day in our courts have only completed 1 of the 7 available SFST training courses and have almost exclusively received training on the observable effects of alcohol impairment (as opposed to drug impairment).

- B. SFST Four Hour Refresher.
- C. SFST Eight Hour Refresher.
- D. Advanced Roadside Impaired Driving Enforcement (A.R.I.D.E.).
 - i. This is the **first** training course as taught by NHTSA that focuses on educating officers on the difference between drunk driving and drugged driving. The course is "intended to bridge the gap between the SFST and DRE courses." A.R.I.D.E. Session I Page 4.
- E. Preliminary Training for Drug Evaluation and Classification Program ("The Pre-School").
- F. Drugs that Impair Driving.
- G. Drug Evaluation and Classification Program ("The Drug Recognition Expert School").
- 4. Why We Need "Drug Recognition Experts"?
 - A. A Drug Recognition Expert is an individual who is specially trained to conduct evaluations of suspected drug-impaired subjects. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session I Page 2.
 - B. Through a series of specific and standardized examination procedures, Drug Recognition Experts are able to reach "reasonably accurate conclusions" concerning the category or categories of drugs causing the impairment in the subject. <u>Id.</u> At Page 3.

- C. As set out more fully below, there are seven different drug categories and "[e]ach category produces a different set of effects on the human body." Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session II Page 4. In other words, "[e]ach category exhibits different signs of drug influence. Id. Thus, a person under the influence of Cannabis is not going to look like a person under the influence of a CNS Depressant.
- D. Query: If all drugs affect the body in a predictable fashion with different categories affecting the body differently; and if the different drug categories produce a different set of effects on the body; and if the officer does not have any training on what the observable signs of impairment are with a specific type of drug; and if the officer knew there were other officers who had training regarding the observable signs of impairment specific to the suspected type of impairing medication or drug; why didn't the charging officer attempt to call a DRE or other qualified officer to make an informed decision about whether the suspect is actually impaired by medication/drugs or not? Isn't the officer's uninformed opinion of impairment really just a guess or a shot in the dark?

Seven Separate and Distinct Drug Categories

1. <u>Introduction</u>

- A. Proving impairment in a medication impaired driving case should be far more difficult on the State than an alcohol impairment case. There are seven separate and distinct drug categories. The categories differ from one another in terms of how they affect people and in terms of the observable signs of impairment they produce. SFST Student Manual at Introduction to Drugged Driving Page 2; see also Preliminary Training for Drug Evaluation and Classification Program Page 6.
- B. A very brief summary of seven drug categories is below. SFST Student Manual at Introduction to Drugged Driving Pages 6 and 7. Note these categories are discussed in much greater detail later in this Manual.
 - i. <u>Central Nervous System Depressants</u> Slow down the operation of the brain and other parts of the Central Nervous System.
 - ii. <u>Central Nervous System Stimulants</u> Impair by "speeding up", or over stimulating the brain.
 - iii. <u>Hallucinogens</u> Impair the user's ability to perceive the world as it really is.
 - iv. <u>Dissociative Anesthetics</u> Inhibit pain by cutting off or "disassociating" the brain's perception of pain.
 - v. <u>Narcotic Analgesics</u> Relieve pain (that is what "analgesic" means).
 - vi. <u>Inhalants</u> Impairment comes from breathing in chemicals usually household items which are not intended by the manufacturers to be used as drugs.
 - vii. <u>Cannabis</u> Marijuana (active ingredient is delta-9 tetrahydrocannabinol, or THC).

Phase One: Vehicle in Motion

1. <u>Introductory Thoughts</u>

A. The fact finder shouldn't focus on simply one piece of evidence. Instead, each piece of evidence should be used together to paint the entire picture. In many DWI cases, if your client was pulled over because his tag light was not in proper working condition or because he entered a checkpoint, evidence of good driving (or at least no observed evidence of bad driving) is a key portion of the picture that can often persuade the fact finder of your client's innocence.

B. <u>Great Driving Behavior v. Poor Driving Behavior</u>

i. Law enforcement is taught that impaired individuals have difficulty driving. If the officer did not observe poor driving in your case, use it to your advantage! Eliciting these important facts are crucial for closing argument. However, even if your client did not exhibit the best driving behavior, that doesn't mean you're doomed. Consider the following sample cross-examinations:

Poor Driving NOT Observed

- 1. Officer, you are taught in your training that driving is a **complex task**, correct? SFST Student Manual Page V-8.
- 2. Driving is a complex task because it involves a number of subtasks, many of which occur simultaneously, true? Id.
- 3. The subtasks involved in driving include, but are not limited to, steering, controlling the accelerator, looking for other traffic, identifying stop signs and signal lights, etc. Drugs that Impair Driving Page 9.
- 4. And you are taught that safe driving requires the driver have the capability to divide his or her attention on two or more things at the same time. SFST Student Manual Page V-9.

- 5. You are also taught that the effects of alcohol are exhibited in driving, true? SFST Student Manual Page V-8.
 - a. Alternatively, consider "one thing all impairing substances have in common is that they impair the person's ability to divide their attention, correct?" Drugs that Impair Driving Page 9.
- 6. And that drivers who are impaired frequently exhibit signs of impaired driving, such as: slowed reactions; impaired judgment as evidenced by willingness to take risks; impaired vision; and poor coordination. SFST Student Manual Page V-2.
- 7. You are further taught 24 cues associated with a "high probability that the driver is impaired". Id.
- 8. [If helpful, go through the cues here].
- 9. And in fairness to my client, you didn't observe any cues related to impaired driving, true?
- 10. And based upon the driving you observed and your training, when you stopped my client, you didn't think you had stopped an impaired driver, correct?
- 11. You believed you had stopped someone for a speeding violation (or whatever your facts may present), true?

Poor Driving Observed (such as crossing the center line)

- 1. What drew your attention to my client's vehicle was that it crossed the center line, correct?
- 2. This case wasn't the first time you've issued a citation for crossing the center line, correct?
- 3. About how many drivers have you cited for crossing the center line or a similar offense in your career?

- 4. You didn't charge all of those individuals with driving while impaired did you?
- 5. In fact, it would be fair to say that a majority of the individuals you've cited for crossing the center line were not arrested for DWI, correct?
- 6. So it would be fair to say that, in your opinion, crossing the center line does not necessarily mean the driver is under the influence?
- 7. Now, you were following my client from about "x" feet behind before you activated your blue lights?
- 8. From your vantage point, you weren't able to actually see whether my client was playing with the radio? Texting on her cell phone? Opening up a piece of gum or a mint?
- 9. Did you ever ask the defendant if he was doing any of those things (be careful here)?
- 2. Two tasks for the officer in the Vehicle in Motion phase:
 - A. Observe the vehicle in operation to note any initial cues of a possible DWI (24 pre-stop cues of impairment).
 - i. Problems maintaining proper lane position.
 - 1. **WEAVING** Weaving occurs when the vehicle alternately moves toward one side of the roadway and then the other, creating a zig-zag course. The pattern of lateral movement is relatively regular as one steering correction closely followed by another.
 - a. <u>Tip</u>: Argue driving is, by definition, "controlled weaving." *State v. Tarvin*, 972 S.W.2d 910, 911 (Tex. App. Waco 1998) (recognizing that driving a car, by its very nature, is controlled weaving and such weaving onto the marking lines of a road only becomes illegal if a person poses a danger to

traffic). Watch for conclusory "weaving" statements not supported by NHTSA's definition.

- 2. **WEAVING ACROSS LANE LINES** Extreme cases of weaving when the vehicle wheels cross the lane lines before correction is made.
- 3. **STRADDLING A LANE LINE** The vehicle is moving straight ahead with the center or lane marker between the left-hand and right-hand wheels.
- 4. **SWERVING** A swerve is an abrupt turn away from a generally straight course. Swerving might occur directly after a period of drifting when the driver discovers the approach of traffic in an oncoming lane or discovers that the vehicle is going off the road; swerving might also occur as an abrupt turn is executed to return the vehicle to the traffic lane.
- 5. **TURNING WITH WIDE RADIUS** During a turn, the radius defined by the distance between the turning vehicle and the center of the turn is greater than normal. The vehicle may drive wide in a curve.
- 6. **DRIFTING** Drifting is a straight-line movement of the vehicle at a slight angle to the roadway. As the driver approaches a marker or boundary (lane marker, center line, or edge of the roadway), the direction of drift might change.
- 7. **ALMOST STRIKING OBJECT OR VEHICLE** The observed vehicle almost strikes a stationary object or another moving vehicle.
- ii. Speed and braking problems.
 - 1. **STOPPING PROBLEMS** (i.e., too far, too short, too jerky, etc.). Stopping too far from a curb or at an inappropriate angle. Stopping too short or beyond limit line

at an intersection. Stopping with a jerking motion or abruptly.

2. **ACCELERATING OR DECELERATING RAPIDLY** – This cue encompasses any acceleration or deceleration that is significantly more rapid than that required by traffic conditions. Rapid acceleration might be accompanied by breaking traction; rapid deceleration might be accompanied by an abrupt stop. Also a vehicle might alternately accelerate and decelerate rapidly.

- 3. **VARYING SPEED** Alternating between speeding up and slowing down.
- 4. **SLOW SPEED** The observed vehicle is driving at a speed that is more than 10 MPH below the speed limit.

iii. Vigilance problems.

- 1. **DRIVING IN OPPOSING LANES OR WRONG WAY ON ONE-WAY STREET** The vehicle is observed heading into opposing or crossing traffic under one or more of the following circumstances: driving in the opposing lane; backing into traffic; failing to yield the right-of-way; or driving the wrong way on a one-way street.
- 2. **SLOW RESPONSE TO TRAFFIC SIGNALS** The observed vehicle exhibits a longer than normal response to a change in traffic signal. For example, the driver remains stopped at the intersection for an abnormally long period of time after the traffic signal has turned green.
 - a. <u>Tip</u>: Compare State v. Barnard, 362 N.C. 244 (2008) (reasonable suspicion supported an officer's decision to stop the defendant where he remained stopped at a traffic light for approximately 30 seconds before proceeding), with State v. Roberson, 163 N.C. App. 129 (2004) (finding no reasonable suspicion where the defendant sat at a green light for 8 to 10 seconds).

3. **SLOW OR FAILURE TO RESPOND TO OFFICER'S SIGNALS** – Driver is unusually slow to respond to an officer's lights, siren or hand signals.

4. STOPPING IN LANE FOR NO APPARENT REASON

The critical element in this cue is that there is no observable justification for the vehicle to stop in the traffic lane; the stop is not caused by traffic conditions, traffic signals, an emergency situation, or related circumstances.
 Impaired drivers might stop in the lane when their capability to interpret information and make decisions becomes impaired. As a consequence, stopping in lane for no apparent reason is likely to occur at intersections or other decision points.

5. **DRIVING WITHOUT HEADLIGHTS AT NIGHT** – The observed vehicle is being driven with both headlights off during a period of the day when the use of headlights is required.

6. **FAILURE TO SIGNAL OR SIGNAL INCONSISTENT WITH ACTION** – A number of possibilities exist for the driver's signaling to be inconsistent with the associated driving actions. This cue occurs when inconsistencies such as the following are observed: failing to signal a turn or lane change; signaling opposite to the turn or lane change executed; signaling constantly with no accompanying driving action; and driving with four-way hazard flashers on.

iv. Judgment problems.

- 1. **FOLLOWING TOO CLOSELY** The vehicle is observed following another vehicle while not maintaining the legal minimum separation.
- 2. **IMPROPER OR UNSAFE LANE CHANGE** Driver taking risks or endangering others. Driver is frequently or abruptly changing lanes without regard to other motorists.

3. **ILLEGAL OR IMPROPER TURN** (i.e., too fast, jerky, sharp, etc.) – The driver executes any turn that is abnormally abrupt or illegal. Specific examples include: turning with excessive speed; turning sharply from the wrong lane; making a U-turn illegally; or turning from outside a designated turn lane.

4. **DRIVING ON OTHER THAN DESIGNATED ROADWAY** – The vehicle is observed being driven on other than the roadway designated for traffic movement. Examples include driving at the edge of the roadway, on the shoulder, off the roadway entirely, and straight through turn-only lanes or areas.

5. **STOPPING INAPPROPRIATELY IN RESPONSE TO OFFICER** – The observed vehicle stops at an inappropriate location or under inappropriate conditions, other than in the traffic lane. Examples include stopping: in a prohibited zone; at a crosswalk; far short of an intersection; on a walkway; across lanes; for a green traffic signal; for a flashing yellow traffic signal; abruptly as if startled; or in an illegal, dangerous manner.

- 6. **INAPPROPRIATE OR UNUSUAL BEHAVIOR** (i.e., throwing objects, arguing, etc.) Throwing objects from the vehicle, drinking in the vehicle, urinating at roadside, arguing without cause, and other disorderly actions.
- 7. **APPEARING TO BE IMPAIRED** This cue is actually one or more of a set of indicators related to the personal behavior or appearance of the driver. Examples might include:
 - a. Eye fixation;
 - b. Tightly gripping the steering wheel;
 - c. Slouching in the seat;
 - d. Gesturing erratically or obscenely;

- e. Face close to the windshield; and
- f. Driver's head protruding from vehicle.
- B. Observe the manner in which the suspect responds to law enforcement's signal to stop (6 post stop cues of impairment (Stopping Sequence)). SFST Student Manual Page V-10.
 - i. AN ATTEMPT TO FLEE.
 - ii. **NO RESPONSE** (to blue lights and siren).
 - iii. **SLOW RESPONSE**.
 - iv. **AN ABRUPT SWERVE**.
 - v. **SUDDEN STOP**.
 - vi. STRIKING THE CURB OR ANOTHER OBJECT.

Phase Two: Personal Contact

- 1. Two tasks for the officer in the Personal Contact phase. SFST Student Manual Page VI-1.
 - A. **Approach, observe, and interview the driver.** SFST Student Manual Page VI-3.
 - i. <u>Sight</u> there are a number of things law enforcement is taught to look for during this phase:
 - 1. Bloodshot eyes;
 - a. <u>Practice pointer</u>: On cross examination, point out that there are a number of reasons why an individual's eyes could be red, such as allergies, eye fatigue, dry eyes, swimming, or common eye infections.
 - 2. Soiled clothing;
 - 3. Fumbling fingers;
 - 4. Alcohol containers;
 - 5. Drugs or drug paraphernalia;
 - 6. Bruises, bumps or scratches;
 - 7. Unusual actions.
 - ii. <u>Hearing</u> Law enforcement is taught to look for:
 - 1. Slurred speech;

a. Practice pointer: On cross examination, in almost all cases the officer will admit that the date of arrest was the first time the officer had met your client; that he is not familiar with your client's normal speech pattern; and that he is unable to say whether the speech he heard is different from your client's normal speech or not.

2. Admission of drinking;

- a. <u>Practice pointer</u>: Often the defendant will admit to having "a couple of drinks." Officers usually fail to recall what those drinks were (Beer? Wine? Liquor? Size?) and, more importantly, the time in which they were consumed.
- 3. Inconsistent responses;
- 4. Abusive language;
- 5. Unusual statements.
- iii. <u>Smell</u> Law enforcement is taught to detect:
 - 1. Odor of an alcoholic beverage;
 - 2. Odor of marijuana;
 - 3. "Cover up" odors like breath sprays;
 - 4. Unusual odors.
- iv. <u>Pre-Exit interview techniques</u>. SFST Student Manual Page VI-4.
 - 1. Law enforcement is taught to ask for two things at once, such as license AND registration.

- 2. This type of questioning applies the concept of divided attention, as it requires the driver to concentrate on two or more things at the same time. The driver has to listen to the instructions, comprehend, and then comply as instructed. Driver must produce both documents; not fumble them; etc. If the suspect has no difficulty producing his or her license and registration, that is usually favorable evidence in two regards: (i) the suspect is able to divide his or her attention; and (ii) the suspect shows proper small muscle control in pulling the license out of a wallet or purse.
- 3. **Alphabet test.** SFST Student Manual Page VI-5.
 - a. <u>How to conduct the test</u> Instruct the driver to recite the alphabet beginning with a letter other than \underline{A} and stopping at a letter other than \underline{Z} . For example, the officer may say to the driver, "Recite the alphabet, beginning with the letter \underline{E} and stopping with the letter \underline{P} .
 - i. Notice Nowhere in law enforcement's training does it say the individual can't "sing" the alphabet recitation. Officer's often report singing as a violation of the test.
 - b. <u>Divided attention concept</u> This divides the driver's attention because the driver must concentrate to begin at an unusual starting point and recall where to stop.
 - i. Practice pointer: Law enforcement often does not employ the alphabet, count down, or finger count tests. Point out in cross examination that the officer is familiar with these "tests" but failed to employ them. Further point out these tests are generally conducted while the individual is seated in the car and primarily focus on the suspect's mental faculties. Argue in closing those tests give the court the information it needs to make a sound and reasoned determination regarding whether your client's mental faculties were impaired. Note this argument is especially helpful in a case where the client is elderly or overweight and a good candidate to do well on the dexterity tests.

- 4. **Count Down test**. SFST Student Manual Page VI-5.
 - a. This technique requires the subject to count out loud 15 or more number in reverse sequence. For example, the officer may say to the driver, "Count out loud backwards, starting with the number 68 and ending with the number 53."
 - b. <u>Divided attention concept</u> This divides attention because the driver must continuously concentrate to count backwards while trying to recall where to stop.
- 5. **Finger Count test**. SFST Student Manual Page VI-6.
 - a. In this technique, the driver is asked to touch the tip of the thumb in turn to the tip of each finger on the same hand while simultaneously counting up one, two, three, four; then to reverse direction on the fingers while simultaneously counting down four, three, two, one.
- B. **Observe the manner in which the driver exits the vehicle.** SFST Student Manual Page VI-6.
 - i. How the driver steps and walks from the vehicle may provide important evidence of impairment or sobriety. The following are seven "Exit Sequence Cues" law enforcement is taught to look for:
 - 1. Shows angry or unusual reactions;
 - 2. Cannot follow instructions;
 - 3. Cannot open the door;
 - 4. Leaves the vehicle in gear;

- 5. "Climbs" out of the vehicle;
- 6. Leans against the vehicle;
- 7. Keeps hands on vehicle for balance.

Phase Three: Pre-Arrest Screening

1. Introduction

- A. The final of the three phases of DWI investigation is pre-arrest screening. This phase is where law enforcement administers its three standardized field sobriety tests and a preliminary breath test (PBT).
 - i. Compare these minimal, standardized tests to the full 12 step DRE evaluation for suspected drug or medication impaired drivers.
- B. The three SFSTs are "psychophysical divided attention tests." Psychophysical tests are methods of assessing a suspect's mental and physical impairment.
- C. SFSTs focus on the individual's mental and physical capabilities, such as information processing, short term memory, balance, small muscle control, and limb coordination. SFST Student Manual Page VII-4.

2. <u>Horizontal Gaze Nystagmus</u>

A. <u>Overview</u>

- i. This section will be broken down into the following:
 - 1. Introduction and science behind the test:
 - 2. How to properly administer the test;
 - 3. How to interpret the test (alcohol vs. drugs); and
 - 4. Limitations on officer training and points of cross-examination.

- B. <u>Introduction and the science behind the Horizontal Gaze Nystagmus test</u>
 - i. "Nystagmus" means an involuntary jerking of the eyes. SFST Student Manual Page VII-2.
 - ii. HGN refers to an involuntary jerking occurring as the eyes gaze horizontally, or toward the side. <u>Id.</u>
 - iii. The theory is that as impairment increases, the more likely the "clues" for this test will appear. SFST Student Manual Page VII-3.
 - iv. There are three "clues" in each eye that the officer is looking for, totaling six possible clues. They are:
 - 1. <u>Lack of Smooth Pursuit</u> as the eye moves from side to side, does it move smoothly or does it jerk noticeably?
 - 2. <u>Distinct and Sustained Nystagmus at Maximum Deviation</u>
 when the eye moves as far to the side as possible and is kept at that position for a minimum of four seconds, does the eye continue to distinctly jerk?
 - 3. <u>Onset of Nystagmus Prior to 45 Degrees</u> As the eye moves toward the side, does it start (and continue) to jerk prior to a 45 degree angle?
- C. How to properly administer the Horizontal Gaze Nystagmus test
 - i. The suspect is told:
 - 1. "I am going to check your eyes."
 - 2. "Keep your head still and follow this stimulus with your eyes only."

- 3. "Keep following the stimulus with your eyes until I tell you to stop." SFST Student Manual Page VIII-6.
- ii. The stimulus is positioned approximately 12-15 inches from the suspect's nose and slightly above eye level. <u>Id.</u>
- iii. The eyes are checked, prior to administration of the HGN test, for *equal pupil size*, *resting nystagmus*, and *equal tracking* (can the subject's eyes follow an object together?). <u>Id.</u>
 - 1. <u>Note</u> checking for equal tracking is the first "pass" of the eyes.
- iv. If the eyes do not track together, or if the pupils are noticeably unequal in size, there is likely a medical disorder or injury. <u>Id.</u>
- v. Smooth Pursuit. SFST Student Manual Page VIII-7.
 - 1. Move the stimulus smoothly to the right at a speed that requires approximately two seconds to bring the suspect's eyes as far to the side as they can go. While moving the stimulus, see if the suspect's eye is able to pursue smoothly.² Now move the stimulus all the way to the left, back across the suspect's face checking if the right eye pursues smoothly. Movement of the stimulus should take approximately two seconds out and two seconds back for each eye.
 - 2. Repeat the procedure. Id.
 - a. Note Each "pass" for this portion of the test should take approximately eight seconds. Two seconds to the right, two seconds back to the middle, two seconds to the left, two seconds back to the middle. Repeat.
 Accordingly, this portion of the test should take about 16 seconds.

² Law enforcement is taught that an impaired person's eyes will jerk or "bounce" as they follow a smoothly moving stimulus. The eyes of an unimpaired person will follow smoothly, i.e., a marble rolling across a smooth pane of glass, or windshield wipers moving across a wet windshield. SFST Student Manual Page VIII-5.

b. If there is a video, it is important to use a stopwatch to see if the officer conducted this portion of the test at the appropriate speed. If not, that to your advantage. Get the officer to agree that HGN is a standardized test; that because it is standardized, it is supposed to be administered the same way every time and pursuant to his training; that, if it is not administered in the standardized manner, it's not a valid test; get the officer to agree exactly how the test is supposed to be administered, then ask him if that's how he administered the HGN test in this case (he will say it is); now he's trapped. Show him the video and point out how the officer's statements are untrue. This method can effectively be used for all three stages of this test.

vi. <u>Distinct and Sustained Nystagmus at Maximum Deviation</u>. <u>Id.</u>

- 1. Move the stimulus to the right until the suspect's eye has gone as far to the side as possible. Usually, no white will be showing in the corner of the eye at maximum deviation. Hold the eye at that position for a minimum of four seconds, and observe for distinct and sustained nystagmus. Move the stimulus all the way across the suspect's face to check the right eye holding that position for a minimum of four seconds. Id.
 - a. The more advanced Drug Recognition Expert Manual says that if this clue is present, the eye will "exhibit a distinct, sustained, pulsating, very pronounced jerking" at maximum deviation. The Drug Recognition Expert School Session IV Page 13. Further, that Manual goes on to say that "in order to consider this clue as 'present', you must observe a clear, sustained, and unmistakable jerking. A slight, barely visible tremor does not constitute 'distinct jerking'." Id.

2. Repeat the procedure. Id.

a. <u>Note</u> – Each "pass" for this portion of the test should *at least* eight seconds, because for each eye the stimulus should be held at maximum deviation

for at least four seconds. Accordingly, this portion of the test should take *a minimum of* 16 seconds.

vii. Onset of Nystagmus Prior to 45 Degrees

1. Move the stimulus to the right at a speed that would take approximately four seconds for the stimulus to reach the edge of the suspect's shoulder. Watch the eye carefully for any sign of jerking. If you see jerking, stop and verify that the jerking continues. Then, move the stimulus to the left at a speed that would take approximately four seconds for the stimulus to reach the edge of the suspect's shoulder. If you see jerking, stop and verify that the jerking continues. Id.

2. Repeat the procedure. <u>Id.</u>

- a. <u>Note</u> Unless nystagmus is observed almost immediately, each "pass" on this portion of the test should take at least ten seconds.
- b. Accordingly, if the HGN test is conducted properly (and not including the initial pass of the eyes to check for equal tracking), there should be six total passes and the test should take *at least* 52 seconds.
 - i. Pass 1 Lack of Smooth Pursuit (8 seconds);
 - ii. Pass 2 Lack of Smooth Pursuit (8 seconds);
 - iii. Pass 3 Distinct and Sustained Nystagmus at Maximum Deviation (minimum of 8 seconds);
 - iv. Pass 4 Distinct and Sustained Nystagmus at Maximum Deviation (minimum of 8 seconds);
 - v. Pass 5 Onset of Nystagmus Prior to 45 Degrees (approximately 10 seconds);

- vi. Pass 6 Onset of Nystagmus Prior to 45 Degrees (approximately 10 seconds).
- D. How to interpret the Horizontal Gaze Nystagmus test (alcohol vs. drugs)

i. Alcohol

- 1. Based on the original research, observance of four or more clues means it is "likely" the suspect's BAC is above 0.10. This criteria was determined to be 77% accurate. SFST Student Manual Page VIII-8.
 - a. <u>Practice pointer</u>: This means that, based on the original research, 23% of the time in testing conditions law enforcement's opinions were <u>wrong</u>. Point this out in cross examination and closing argument.
- 2. Drug Recognition Experts are taught there is an approximate statistical relationship between blood alcohol concentration (BAC) and the angle of onset of nystagmus. The formula is **BAC** = **50 Angle of Onset**. The Drug Recognition Expert School Session IV Page 13.
 - a. According to the formula, if the angle of onset were 40 degrees, then the "BAC" would approximately equal 50 minus 40 or 10; that corresponds to a BAC of 0.10. <u>Id.</u>
 - b. <u>Practice pointer</u>: With appropriate expert testimony, this could be powerful evidence of innocence in a refusal case where no HGN was observed prior to 45 degrees (as, by the formula, the BAC would be .05 or less).

ii. <u>Drugs or Medications</u>

- HGN will be present if the suspect is impaired by CNS
 Depressants, Dissociative Anesthetics, and most Inhalants.
 A.R.I.D.E. Session V Page 10 of 11; The Drug
 Recognition Expert School Session IV Page 12.
 - a. For memory the D*I*D* drugs, if impaired, cause HGN.
- 2. HGN <u>will not be present</u>, even if the suspect is impaired, if the impairment comes from a CNS Stimulant, Hallucinogen, Narcotic Analgesic, or Cannabis. A.R.I.D.E. Session V Page 10 of 11; The Drug Recognition Expert School Session IV Page 14.

E. Limitations on officer training and points of cross-examination

- i. First and foremost, the best method of cross-examination is if the officer conducted the test in the wrong fashion.
- ii. There are over 40 different types of nystagmus. SFST 4 Hour Refresher Page III-5.
- iii. The focus of officer training is on two types: horizontal gaze nystagmus and vertical gaze nystagmus.
- iv. Law enforcement is not taught how to test for types of nystagmus other than HGN and VGN.
- v. Law enforcement is not taught how to distinguish between the other types of bouncing of the eyes (nystagmus) and the types they are looking for.
- vi. With regard to nystagmus at maximum deviation, people exhibit slight jerking of the eye at maximum deviation even when unimpaired. SFST Student Manual Page VIII-5.

- vii. With regard to the onset of nystagmus prior to 45 degrees, law enforcement does not use a measuring device (such as a protractor) to determine 45 degrees.
- viii. When conducting the HGN test, law enforcement does not use a ruler or measuring device to determine 12-15 inches. They estimate. Law enforcement won't be able to say for sure whether the stimulus was 12, 13, 14, or 15 inches away from the face.
- ix. How far the stimulus is positioned from the suspect's nose is a CRITICAL FACTOR in estimating the 45 degree angle? SFST Student Manual Page VIII-6. (show example on next page ... would cause "45 degrees" to be much wider).
- x. Law enforcement almost always has had no schooling or coursework in ophthalmology or neurology.

3. Walk and Turn

A. Introduction

- i. Field sobriety tests are divided attention psychophysical tests. This means that they are designed to test the mental and physical capabilities of the suspect. SFST Student Manual Page VII-4.
 - 1. <u>Caveat</u>: The research and literature that supports the science behind the two divided attention psychophysical tests (Walk and Turn and One Leg Stand) is, according to Doug Scott, solely based on alcohol studies. Because alcohol is a CNS Depressant, it is probably safe to say the science behind these studies also applies to CNS Depressant drugs. Upon information and belief, however, there are **no studies** which support the assumption that these principles would also apply to drugs which comprise the other six drug categories. In fact, I think it is important to note that the Walk and Turn and One Leg Stand tests are completely left off of the drug symptomatology matrix.

- ii. The Walk-and-Turn test is divided into two stages: (i) the instructions phase and (ii) the walking stage.
- iii. The <u>Instructions Stage</u> divides the subject's attention between a *balancing task* (standing while maintaining the heel-to-toe position) and an *information processing task* (listening to and remembering instructions). SFST Student Manual Page VII-5.
 - 1. <u>Practice pointer</u>: This is valuable information to elicit on cross examination when the issue is appreciable impairment of physical and mental faculties and your client *does well* on the dexterity tests.
- iv. The <u>Walking Stage</u> divides the subject's attention among a balancing task (walking heel-to-toe and turning); a small muscle control task (counting out loud); and a short-term memory task (recalling the number of steps and the turning instructions). <u>Id.</u>

B. How to Administer the Test

- i. There are <u>eight possible clues</u> for this test which are broken down between the instructions phase (first two clues) and walking phase (last six clues):
 - 1. <u>Instructions Phase</u> The SFST Manual indicates that "typically the impaired person can do only one of these things." SFST Student Manual Page VIII-10. When your client does well and does not exhibit either Instructional Phase clue, use this to your advantage.

a. Can't balance during instructions

i. For this clue to be present, the feet must actually break apart. This clue is not to be recorded if the suspect sways or uses the arms to balance but maintains the heel-to-toe position. SFST Student Manual Page VIII-10.

b. Starts too soon

i. One of the instructions to be given to the suspect is "do not start to walk until told to do so." SFST Student Manual Page VIII-9. Accordingly, starting early cannot possibly be held against the suspect until after he or she is given this command.

2. Walking Phase

a. **Stops while walking**

i. Only record this as a clue if the suspect pauses for several seconds. Do not record this clue if the suspect is merely walking slowly. SFST Student Manual Page VIII-10.

b. **Doesn't touch heel-to-toe**

i. Only record this clue if the suspect *leaves a* space of more than one-half inch between the heel and toe on any step. SFST Student Manual Page VIII-10.

c. Steps off line

 Only record this clue if the suspect steps so that one foot is entirely off the line. SFST Student Manual Page VIII-10.

d. Uses arms to balance

i. Only record this clue if the suspect *raises* one or both arms more than 6 inches from the sides. SFST Student Manual Page VIII-11.

- e. **Loses balance on turn or turns incorrectly** (not as instructed through demonstration)
- f. Takes the wrong number of steps

C. What Constitutes "Failure"?

- i. If the suspect exhibits two or more clues, it is "likely" his or her BAC is above 0.10. SFST Student Manual Page VIII-11.
- ii. According to the original research, "likely" is quantified as about 68% accurate. <u>Id.</u> That means, according to the original research, about 32% of the time the test's dictated outcome will be wrong.

D. <u>Noted Issues with Testing</u>

- i. The test requires a designated straight line. SFST Student Manual Page VIII-11.
- ii. The test should be conducted on a reasonably dry, hard, level, nonslippery surface. <u>Id.</u>
- iii. Individuals over 65 years of age have difficulty performing the test. Id.
- iv. Individuals with back, leg, or inner ear problems have difficulty performing the test. Id.
- v. Heels more than two inches may pose a problem. Id.

4. One Leg Stand

A. Introduction

- i. The One Leg Stand test is divided into two stages: (i) the instructions stage and (ii) the balance and counting stage. SFST Student Manual Page VII-6.
- ii. The <u>Instructions Stage</u> divides the subject's attention between a *balancing task* (maintaining a stance) and an *information* processing task (listening to and remembering instructions). <u>Id.</u>
 - 1. <u>Practice pointer</u>: This is valuable information to elicit on cross examination when the issue is appreciable impairment of physical and mental faculties and your client *does well* on the dexterity tests.
- iii. The <u>Balance and Counting Stage</u> divides the subject's attention between *balancing* (standing on one foot) and *small muscle control* (counting out loud). <u>Id.</u>

B. <u>How to Administer the Test</u>

i. There are four possible clues. SFST Student Manual Page VIII-13.

1. Sways while balancing

a. This refers to side-to-side or back-and-forth motion while the suspect maintains the one-leg stand position (subjective).

2. Uses arms for balance

a. Only record this clue if the suspect *moves arms* 6 *or more inches* from the side of the body in order to keep balance. Id.

3. **Hopping**

4. **Puts foot down**

C. What Constitutes "Failure"?

- i. If the suspect exhibits two or more clues, it is "likely" his or her BAC is above 0.10. SFST Student Manual Page VIII-13.
- ii. According to the original research, "likely" is quantified as about 65% accurate. <u>Id.</u> That means, according to the original research, about 35% of the time the test's dictated outcome will be wrong.

D. Noted Issues with Testing

- i. The test should be conducted on a reasonably dry, hard, level, nonslippery surface. SFST Student Manual Page VIII-13.
- ii. Individuals over 65 years of age have difficulty performing the test. Id.
- iii. Individuals who are overweight by 50 or more pounds have difficulty performing the test. <u>Id.</u>
- iv. Individuals with back, leg, or inner ear problems have difficulty performing the test. <u>Id.</u>
- v. Heels more than two inches may pose a problem. <u>Id.</u>

Twelve Step Drug Influence Evaluation Checklist

1. <u>Introduction</u>

A. This is a truly important section. To have a complete appreciation of the complexity of drug impaired driving, it is valuable to first understand *how* a DRE evaluation is conducted (and *why* each portion is important). Only after learning about each step of the evaluation can one truly be cognizant of *what* a person impaired by a specific substance is supposed to look like (i.e., what are the observable signs of impairment from that substance?).

2. <u>Twelve Step Drug Influence Evaluation</u>

- A. <u>Step One Breath Alcohol Test</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 5.
 - i. The first step is to administer a breath alcohol test to determine the subject's blood alcohol concentration.
 - ii. Essentially, the purpose of the initial breath test is for the DRE to make an immediate determination whether the concentration of alcohol, if any, is:
 - 1. Not a cause of the perceived impairment;
 - 2. A contributing, but not sole cause, of the perceived impairment; or
 - 3. The sole cause of the perceived impairment.

- B. <u>Step Two Interview the Arresting Officer</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 5; Pages 8-9.
 - i. Most arresting officers are not as knowledgeable about drugs as a DRE and often the DRE is not the arresting officer.
 - ii. Accordingly, during this step the DRE learns about what the arresting officer may have seen or heard during earlier contact with the subject.
 - iii. Questions the DRE is supposed to ask the arresting officer are broken down into three categories:
 - 1. Inquiries concerning the subject's behavior
 - a. Was the subject operating a vehicle?
 - b. What vehicle/operator actions, maneuvers, etc. were observed? (This may disclose evidence of impaired divided attention ability, relaxed inhibitions, etc.).
 - c. Was there a crash? (This can indicate whether the subject may have suffered injuries that could confound the drug evaluation).
 - d. Was the subject observed smoking, drinking, or eating?
 - e. Was the subject inhaling any substance?
 - f. How did the subject respond to the arresting officer's stop?
 - g. Did the subject attempt to conceal or throw away any items or materials?

h. What has been the subject's attitude and demeanor during contact with the arresting officer and have there been any changes?

2. <u>Inquiries concerning the subject's statements</u>

- a. Has the subject complained of an illness or injury?
- b. Has the subject used any "street terms" or slang associated with drugs or drug paraphernalia?
- c. How has the subject responded to the arresting officer's questions?
- d. Was the subject's speech slurred, slow, rapid, thick, mumbled, incoherent, etc.? (Various types of drugs may affect speech in various ways).
- e. What, specifically, has the subject said to the arresting officer?

3. <u>Inquiries concerning physical evidence</u>

- a. What items or materials were uncovered during the search of the subject and/or vehicle?
- b. Were any smoking paraphernalia uncovered?
- c. Was there any injection related material?
- d. Were there any balloons, plastic bags, small metal foil wrappings, or any similar items?
- e. What was the subject's blood alcohol concentration?

- C. <u>Step Three Preliminary Examination and First Pulse</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 5; Pages 9-11.
 - i. Consists of a series of questions; observations of the subject's face, breath, and speech; an initial series of checks of the subject's eyes; and the first of three checks of the subject's pulse rate.
 - ii. <u>Questions</u> Standard questions asked directly to the subject (as opposed to the arresting officer). Depending on the subject's answers, follow up questions may be needed.
 - 1. Are you sick or injured?
 - 2. Do you have any physical defects?
 - 3. Are you diabetic or epileptic?
 - 4. Do you take insulin?
 - 5. Are you under a doctor's or dentist's care?
 - 6. Are you taking medication?
 - iii. Observations of the suspect's face, breath, and speech.
 - 1. Face flushed or pale? Perspiring?
 - 2. Breath Any noteworthy odors, such as alcoholic beverages; marijuana; or chemical odor?
 - 3. Speech Is it in any way distorted or not normal?

iv. <u>Initial checks of the subject's eyes</u>

- 1. Pupil size Do the subject's pupils appear to be equal in size? If not, a further check is necessary.
 - a. Pupil size is determined by using a "pupillometer", which has a series of small circles. The diameter of the small circles is measured in millimeters. By holding the pupillometer alongside the subject's eye, the DRE can determine which circle is approximately the same size as the pupil. Both pupils must be checked.
- 2. Equal tracking This is the same as the "equal tracking" portion of the HGN test. If the two eyes do not exhibit the same tracking ability, this may indicate a possible head injury or medical problem.
- 3. HGN test (conducted as stated above).
 - a. The only difference between this HGN test and the one stated above is that this test is taught to be more specific. If nystagmus is present, the DRE is taught to estimate the angle of onset prior to 45 degrees (remember the formula above: 50 minus degree of angle of onset = BAC). If there is a significant disparity between the nystagmus angle of onset and what would be expected from the known BAC, the DRE should be alert to the possible present of some other nystagmus causing drug.
 - b. Remember as stated below, some drugs do not cause nystagmus even if the suspect is impaired.
- 4. Check the suspect's eyelids.
 - a. Many drugs will cause the eyelids to droop as the user exhibits a sleepy appearance.

b. A drooping of one eyelid, but not the other, possibly signifies an injury or other medical problem. The medical, or technical, term for droopy eyelids is Ptosis.

v. <u>Take the subject's first pulse</u>

- i. Pulse rate is one of the vital signs that serve as very reliable indicators of the possible presence of certain drug categories. It's hard to fool the central nervous system.
- ii. Pulse rate can also be affected by anxiety, and it is common for an arrested subject to experience anxiety while being examined by a police officer. For this reason, pulse rate is measured near the beginning of the drug evaluation, again during the middle, and finally near the end.
- D. <u>Step Four Eye Examinations</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 5; Pages 11-16.
 - i. <u>Horizontal Gaze Nystagmus (HGN)</u> See above.
 - ii. <u>Vertical Gaze Nystagmus (VGN)</u>.
 - 1. VGN, like HGN, is a jerking of the eyes.
 - 2. VGN is an involuntary jerking of the eyes (up and down) which occurs when the eyes gaze upward at maximum elevation.
 - 3. VGN is associated with the same drugs that cause HGN.
 - a. Thus, VGN may be present if the suspect is impaired by a drug from the DID category (CNS Depressants; Inhalants; Dissociative Anesthetics).

- i. Remember, for VGN to be present, the drug or drugs must be in high doses for that individual. Therefore, it is not uncommon to encounter subjects who exhibit HGN, but do not exhibit VGN. In practice, VGN is usually associated with gross impairment.
- b. VGN would not be present, even if the suspect is impaired, from a drug or drugs in the following categories: CNS Stimulants; Hallucinogens; Narcotic Analgesics; and Cannabis.
- 4. To check for VGN, hold a stimulus horizontally in front of the subject approximately 12-15 inches in front of the subject's nose. Direct the subject to focus his/her eyes at a specific point on the stimulus. Instruct the subject to hold his/her head steady and to follow the stimulus with their eyes only. Elevate the stimulus until the eyes are raised as far as possible and hold them at that position for a minimum of four seconds. Observe the eyes to see if any up and down jerking occurs.
- 5. There is no drug that will cause VGN that will not cause HGN.

iii. <u>Lack of Convergence (LOC)</u>

- 1. In simplest terms, LOC means an inability to cross the eyes.
- 2. Position the stimulus approximately 12-15 inches in front of the subject's nose in the same starting position used for the HGN test. The stimulus is then moved in a circle in front of the subject's face either clockwise or counterclockwise (it doesn't matter) to verify that the subject's eyes are tracking the stimulus. Then the stimulus is moved directly towards in between the suspect's eyes, stopping approximately two inches from the bridge of the nose.

- 3. If the eyes are able to cross (converge), i.e., if they come together at a minimum of two inches (2") from the bridge of the nose, Lack of Convergence is "not present."
- 4. But if one eye drifts away or outward toward the side instead of converging to the bridge of the nose or to the point of convergence, Lack of Convergence is "present".
- 5. Note The manual reminds DREs of the following: "You should be aware that many people have difficulty crossing their eyes even when they are totally drug free, and it is not uncommon to find unimpaired individuals who exhibit LOC." Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 16.
- E. <u>Step Five Administer Divided Attention Psychophysical Tests</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 6; Pages 16-24.

i. Romburg Balance Test

1. Introduction

a. This test requires the subject to stand with his/her feet together, head tilted slightly back, eyes closed and estimate the passage of thirty seconds. When the subject believes that the thirty seconds have passed, he or she is to tilt the head forward, open the eyes, and say "Stop".

2. Administrative Procedures

- a. Tell the subject to stand straight with his/her feet together and his/her arms down at their sides.
- b. Tell the subject to maintain that position while you give the instructions. Emphasize that he or she must not start the test until you say "begin".

- c. Tell the subject that they must tilt their head back and close their eyes. Demonstrate how the head should be tilted.
- d. Tell the subject when you say "Start" they must keep their head back with their eyes closed until they think that 30 seconds have gone by. Do not tell the subject to "count to thirty seconds" or to use any other specific procedure to keep track of time. Simply say, "Keep your head tilted back with your eyes closed until you think that thirty seconds have gone by".
- e. Tell the subject that, when they think 30 seconds have gone by, they must bring their head forward, open their eyes and say "Stop".
- f. Tell the subject to begin.
- g. Keep track of time while the subject performs the test.
- h. When the subject opens his/her eyes, ask them "how much time was that?"
- i. If 90 seconds elapses before the subject opens his/her eyes, stop the test.
- 3. Important features of the Romburg Balance Test
 - a. This test measures the subject's internal clock (i.e., is the subject's internal clock slow, normal, or fast?)
 - i. If the suspect's estimation of time is between 25-35 seconds, then their internal clock is considered acceptable. A.R.I.D.E. Session V Page 9.

- b. Note if the subject is unable to stand still or steady with the feet together.
- c. Note body tremors.
- d. Note eyelid tremors.
- e. Note muscle tone.
- f. Note any statements or unusual sounds made by the subject while performing the test.
- ii. Walk-and-Turn Test. See above.
- iii. One Leg Stand Test. See above.
- iv. Finger to Nose Test.
 - 1. Introduction
 - a. The Finger to Nose test means just that: the subject is required to bring the tip of his/her index finger up to touch the tip of their nose.
 - b. They will perform this test with their eyes closed and their head tilted slightly back, standing in a manner identical to that required for Romburg balance (feet together and arms at their sides).
 - c. The subject will attempt this six times, three with each hand.
 - d. The officer instructs the subject which hand to use each time ("left ... right ... left ... right").

2. Administrative Procedures

- a. Tell the subject to place his/her feet together and stand straight.
- b. Tell the subject to place his/her arms down at their sides, close their hands with the index finger extended and rotate the palms forward.
- c. Tell the subject that, when you say "begin", he/she will tilt their head slightly back and close their eyes. Demonstrate.
- d. Inform the subject that you will instruct them to bring the tip of the index finger up to touch the tip of their nose. Demonstrate.
- e. Tell the subject that, as soon as they touch their finger to their nose, they must return the arm to their side.
- f. Tell the subject that, when you say "right", they must move the right hand index finger to their nose; when you say "left", the subject must move the left hand finger to their nose.

3. <u>Important features of the Finger to Nose Test</u>

- a. It has not been scientifically validated.
- b. Manual indicates experience shows persons who are impaired by alcohol or other drugs sometimes miss the tip of the nose and sometimes fail to use the proper finger.
- c. Draw on the diagram a line indicating where the fingertip landed.

		e. Note body tremors.
		f. Note eyelid tremors.
		g. Note muscle tremors.
F.	Classification	ramine the Suspect's Vital Signs. Drug Evaluation and Program ("The Drug Recognition Expert School") Session age 24; Session VII Pages 1-8.
	i. <u>Pulse</u>	Rate
	1.	"Normal" pulse rate – 60 – 90 beats per minute
		a. <u>Tachycardia</u> – Abnormally rapid heart rate.
		b. <u>Bradycardia</u> – Abnormally slow heart rate.
		c. <u>Arrhythmia</u> – Abnormal heart rhythm.
	2.	When measuring pulse rate, count the beats for 30 seconds then multiply by two.
	3.	Procedures for measuring pulse rate:
		a. Three arteries which can be used:
		i. Radial Artery – Located in or near the natural crease of the wrist, on the side of the wrist next to the thumb. To use the radial artery pulse point, have the subject hold his or her arm straight out with the palm of their hand facing down. Place the tips of your

Note body sway.

d.

index and middle fingers into the crease of the subject's wrist, near the base of the thumb, and exert a slight pressure. Allow the subject's hand to droop down from gravity; this will tighten the pressure on your finger tips and aid you to feel the pulse.

- ii. <u>Brachial Artery</u> Located in the crook of the arm, halfway between the center of the arm and the side of the arm closest to the body.
- iii. <u>Carotid Artery</u> Located in the neck, on either side of the "Adam's Apple".

b. Key Points:

- i. <u>Do not</u> use the thumb to feel someone's pulse because there is an artery in the thumb. If you apply pressure with the thumb, the "beat" you feel may be your own pulse, and not the subject's.
- ii. If you use the Carotid Artery pulse point, don't apply pressure to both sides of the "Adam's Apple". Doing so can cut off the supply of blood to the brain.

ii. Blood Pressure

- 1. "Normal" <u>systolic</u> blood pressure is 120-140; "Normal" <u>diastolic</u> blood pressure is 70-90.
 - a. <u>Blood pressure</u> is the force that the circulating blood exerts on the walls of the arteries. The blood pressure changes from instant to instant, as the heart contracts and relaxes.

- b. <u>Systolic pressure</u> is the maximum or highest blood pressure. The blood pressure reaches its systolic value when the heart contacts and sends the blood surging into the arteries.
- c. <u>Diastolic pressure</u> is the minimum or lowest blood pressure. The blood pressure reaches its diastolic value when the heart is fully expanded.
- 2. Blood pressure is measured through use of a sphygmomanometer. Note Per Doug Scott, these instruments aren't calibrated after being provided to the DRE.
- 3. Technical terms
 - a. <u>Hypertension</u> abnormally high blood pressure.
 - b. <u>Hypotension</u> abnormally low blood pressure.

iii. <u>Body Temperature</u>

- 1. "Normal" body temperature is 98.6 degrees Fahrenheit plus or minus 1 degree.
- 2. Body temperature is measured using an oral thermometer.
- G. <u>Step Seven Dark Room Examinations</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 6; Pages 24-26.
 - i. Estimating Pupil Size
 - 1. Introduction

- a. The pupils of our eyes continually adjust in size to accommodate different lighting conditions. When we are in a darkened environment, the pupils expand or "dilate" to allow the eyes to capture as much light as possible. When lighting conditions are very bright, the pupils shrink, or "constrict", to keep the eyes from being overloaded. This process of constriction and dilation normally occurs within normal limits.
- b. Pupil size estimates are made under three different lighting conditions room light, near total darkness, and direct light and are measured in millimeters through a pupillometer device.
- 2. Estimate pupils in three different lighting conditions
 - a. Estimation of Pupil Size Under Room Light
 - i. Normal sizes for the pupil in room light is approximately 4.0 mm with the average range of normal pupil sizes ranging from 2.5 to 5.0 mm. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 8.
 - ii. Have the subject look straight ahead at a point or location behind the DRE and slightly above the subject's eye level. Care should be taken to ensure the subject is not staring at a light source. Check the eyes. After checking both eyes turn off the lights and wait 90 seconds to allow the eyes to adapt to the dark.
 - b. <u>Estimation of Pupil Size Under Near Total</u>
 Darkness

- i. Normal sizes for the pupil in near total darkness is approximately **6.5 mm** with the average range of normal pupil sizes ranging from **5.0 to 8.5 mm**. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 8.
- ii. Completely cover the tip of the penlight with your finger or thumb so that only a reddish glow and no white light emerges. Bring the glowing red tip up toward the subject's left eye until you can distinguish the pupil from the colored portion of the eye (iris). Continue to hold the glowing red tip in that position and bring the pupillometer up alongside the subject's left eye and locate the circle/semi-circle that is closest in size to the pupil. Repeat for the right eye.

c. <u>Estimation of Pupil Size Under Direct Light</u>

- i. Normal sizes for the pupil in direct light is approximately 3.0 mm with the average range of normal pupil sizes ranging from 2.0 to 4.5 mm. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 8.
- ii. Leave the tip of the penlight uncovered and bring the light from the side of the subject's face and shine it directly into their left eye. Position the penlight so that it illuminates and approximately fills the subject's eye socket. Hold the penlight in that position for 15 seconds with the pupillometer up alongside the left eye, and find the circle/semi-circle that is closest in size to the pupil. Repeat for the right eye.
- iii. While observing the eye for 15 seconds with the pupillometer in position, you should also

check for rebound dilation.³ Rebound dilation has been reported with persons under the influence of Cannabis, CNS Stimulants, and/or Hallucinogens. If rebound dilation is observed, it should be recorded by indicating the smallest or constricted size and the largest or dilated size (e.g., 3.0 – 4.5mm). Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 7.

- iv. In this phase, evaluate the pupil's reaction to light. If a person is not under the influence of any drug, his or her pupils should constrict within one second when the penlight's beam strikes the eye directly. No category of drugs will speed up the reaction of the pupils, but some will slow it down. CNS Depressants, CNS Stimulants, and some Inhalants will slow the pupil's reaction. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 8.
- H. <u>Step Eight Examine of Muscle Tone</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 6; Page 26.
 - i. Certain categories of drugs will cause the muscles to become rigid, while others may cause the muscles to become flaccid (as opposed to normal).
 - ii. Examination of a subject's muscle tone is done by checking their left arm, firmly grasping the upper arm and slowly moving down

³ <u>Rebound Dilation</u> is defined as a period of pupillary constriction followed by a period of pupillary dilation where the pupil steadily increases in size and does not return to its original constricted size. Rebound dilation is observed only with the estimation of pupil size under the Direct Light procedure. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session V Page 10.

to determine whether the muscle tone is flaccid, near normal, or rigid.

- I. <u>Step Nine Examination for Injection Sites</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 6; Page 27.
 - i. Users of certain drugs either routinely or occasionally ingest their drugs via injection. Evidence of needle use (scars, "tracks", etc.) may be found on veins along the neck, arms, legs, etc.
- J. <u>Step Ten Subject's Statements and Other Observations</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 6; Page 27.
 - i. Based on the nine previous components of the drug influence evaluation, the DRE should have formed at least an articulable suspicion as to the category or categories of drugs that may be present. The DRE then can proceed, in full conformance with the subject's Miranda rights, to attempt to interview the subject concerning the drug or drugs involved.
- K. <u>Step Eleven Opinion of the Evaluator</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 7; Page 27.
 - i. Based on all of the evidence and observations obtained during the preceding ten steps, the DRE should be able to reach an informed opinion concerning:
 - 1. Whether the subject is under the influence of a drug or drugs; and if so
 - 2. The category or combination of categories of drugs that is the cause of the subject's impairment.
 - ii. These conclusions must be documented, along with a narrative summary of the observed facts that led to the conclusions.

- L. <u>Step Twelve Toxicological Examination</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IV Page 7; Page 27.
 - i. A chemical test or test that can provide scientific, admissible evidence to substantiate the DRE conclusions.

Central Nervous System (CNS) Depressants

1. Introduction

- A. In order for a drug to be classified as a CNS Depressant, it must depress the activity of the user's brain and Central Nervous System. A.R.I.D.E. Session VI Page 3.
- B. As the dosage increases (amounts usually greater than therapeutic doses), impairment of the body's autonomic nervous system, such as heartbeat, body temperature, and breathing may be observed. <u>Id.</u>
- C. The depressant category includes:
 - i. Alcohol;
 - ii. Anti-anxiety tranquilizers;
 - iii. Anti-psychotic tranquilizers;
 - iv. Antidepressants;
 - v. Barbiturates;
 - vi. Non-barbiturates;
- D. People under the influence of CNS Depressants will likely look and act like people impaired by alcohol. <u>Id.</u> In other words, alcohol impairment should be used as a model. A.R.I.D.E. Session VI Page 4.

2. <u>Indicators of Appreciable Impairment from a CNS Depressant</u>

A.	Eye I	Eye Indicators. A.R.I.D.E. Session VI Page 4.			
	i.	HGN – Present.			
	ii.	VGN – May be present, especially in high doses.			
	iii.	Pupil Size – Normal (exception: Soma and Quaaludes may cause dilation).			
	iv.	Lack of Convergence – Present.			
B.	B. <u>General Indicators</u> . <u>Id.</u>				
	i.	Wide variety of emotional effects (euphoria, depression, and laughing or crying for no apparent reason);			
	ii.	Reduced ability to divide attention;			
	iii.	Disoriented;			
	iv.	Sluggish;			
	v.	Thick, slurred speech;			
	vi.	Drunk like behavior;			
	vii.	Droopy eyes;			
	viii.	Fumbling;			
	ix.	Relaxed inhibitions;			

Slowed reflexes; х. Uncoordinated: xi. xii. Drowsiness; xiii. Gait ataxia (rubber legged). C. Pupil Reaction to Light, Vital Signs, and Muscle Tone. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session IX Pages 7-8. i. Pupil's reaction to light – Slow. Pulse rate – Down (however, with Quaaludes and ETOH the pulse ii. rate may be elevated). iii. Blood pressure – Down. Temperature – Normal. iv. Muscle tone – Flaccid. v. 3. Onset and Duration of Effects A. There are four different subcategories of depressants. These subcategories are based on their onset properties. A.R.I.D.E. Session VI Page 5. i. Long Acting -8 to 14 hours; ii. Intermediate Acting – 6 to 8 hours; iii. Short Acting -4 hours or less;

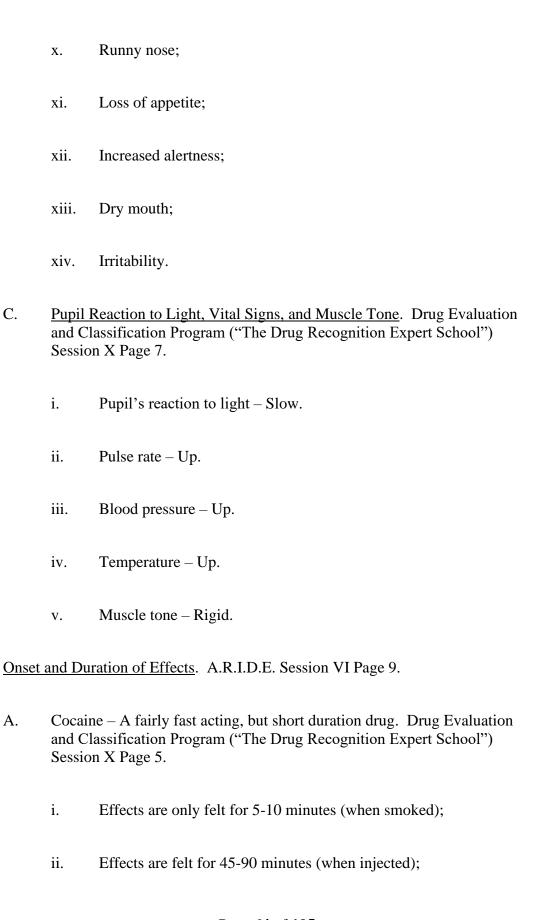
iv. Ultra Short Acting (surgical anesthesia) – Very Rapid. B. Specific examples. A.R.I.D.E. Session VI Page 5. i. Barbiturates -1 to 16 hours; ii. Tranquilizers -4 to 8 hours; iii. GHB - 3 to 5 hours: iv. Rohypnol – Peak 1-2 hours. C. Note – The duration of effects of CNS Depressants can vary widely. A.R.I.D.E. Session VI Page 5. Important considerations include dosage amounts, age of the suspect, weight of the suspect, tolerance, and other variables dictate whether the individual would be impaired and, if so, the length of time the individual would be impaired. Id. 4. Conditions That May Mimic Drug Impairment by a CNS Depressant. A.R.I.D.E. Session VI Page 5. A. These may include, but not be limited to: i. Extreme fatigue; ii. Very recent head injuries; iii. Diabetic reactions: Hypotension (low blood pressure); iv. Inner ear disorders; and v. Severe depression. vi.

Central Nervous System (CNS) Stimulants

1. Introduction

- A. CNS Stimulants relieve fatigue, aid in weight reduction, reduce the need for sleep, and increase energy and confidence levels. A.R.I.D.E. Session VI Page 7.
- B. CNS Stimulants are commonly known as "uppers". As stimulants "wear off", the subject can exhibit signs and symptoms similar to those associated with depressants since some of the body's systems may experience a "crash". <u>Id.</u>
- C. Some specific CNS Stimulants include:
 - i. Cocaine;
 - ii. Amphetamines;
 - iii. Methamphetamine;
 - iv. Ephedrine;
 - v. Pseudoephedrine;
 - vi. Ritalin;
 - vii. Adderall;
 - viii. Dexedrine.

2.		cators of Appreciable Impairment from a CNS Stimulant. A.R.I.D.E. Session Page 8.			
	A.	Eye Indicators. Id.			
		i.	HGN – None.		
		ii.	VGN – None.		
		iii.	Pupil Size – Dilated.		
		iv.	LOC – None.		
	В.	General Indicators. Id.			
		i.	Restlessness;		
		ii.	Body tremors;		
		iii.	Excitedness;		
		iv.	Euphoria;		
		v.	Talkative;		
		vi.	Exaggerated reflexes;		
		vii.	Anxiety;		
		viii.	Grinding teeth (bruxism);		
		ix.	Redness to the nasal area;		



3.

- iii. Effects are felt for 30-90 minutes (when snorted).
- B. Amphetamines -4-8 hours.
- C. Methamphetamine A fairly fast acting drug, and its effects are very similar to Cocaine's. However, Methamphetamine's effects last a good deal longer. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session X Page 6.
 - i. When <u>injected</u>, Methamphetamine's effects begin to be felt within a few seconds. The user experiences an intense "rush", which lasts at the high level of intensity for 5-30 seconds. Subsequently, the user stays "high" or "wired" for 4-8 hours, with residual effects lasting up to 12 hours. <u>Id.</u>
 - ii. When <u>smoked</u>, the "rush" is very rapid and intense, much like the "rush" produced by "Crack". However, the smoker usually will remain impaired for at least several hours. Id.
 - iii. When taken <u>orally</u>, the onset of effects is delayed, the "rush" is much less intense and the effects last longer. <u>Id.</u>
 - iv. When <u>snorted</u>, the onset of effects is not quite as rapid as with smoking or injecting. The onset of effects are within 30 seconds, the rush is not as intense and the effects last between 30 and 90 minutes. <u>Id.</u>
- D. Ritalin, Adderall, Dexedrine Varies depending on form, strength, and time release.
- E. Note **The duration of effects of CNS Stimulants can vary widely**. A.R.I.D.E. Session VI Page 9. Important considerations include dosage amounts, age of the suspect, weight of the suspect, tolerance, and other variables dictate whether the individual would be impaired and, if so, the length of time the individual would be impaired. <u>Id.</u>

4.		<u>Conditions That May Mimic Drug Impairment by a CNS Stimulant</u> . A.R.I.D.E. Session VI Page 9.			
	A.	Hyperactivity;			
	B.	Nervousness;			
	C.	Stress;			
	D.	Fear; and			
	E.	Hypertension (high blood pressure).			

Hallucinogens

- 1. <u>Introduction</u>. A.R.I.D.E. Session VI Page 10.
 - A. Hallucinogens are drugs which affect a subject's perceptions, sensations, thinking, self-awareness and emotional state. <u>Id.</u>
 - B. One of the significant effects of these drugs is hallucinations. A hallucination is a sensory experience of something that does not exist outside the mind (e.g., the suspect might hear a telephone ring, and "see" a flash of a brilliant color). <u>Id.</u>
 - C. Some specific Hallucinogens include:
 - i. Peyote (a cactus containing mescaline);
 - ii. Certain types of mushrooms;
 - iii. Jimson Weed seeds;
 - iv. Morning Glory seeds;
 - v. There is also a toad (Bufo Alvarius) which releases a hallucinogenic secretion when threatened;
 - vi. LSD; and
 - vii. MDMA or Ecstasy.
 - D. The effects vary widely; however, the drug generally intensifies the mood of the user at the time of ingestion. <u>Id.</u> If the user is depressed, you could observe a deeper depression; and if the user is feeling pleasant, you could see a heightened pleasure. <u>Id.</u>

2.		<u>Indicators of Appreciable Impairment from a Hallucinogen</u> . A.R.I.D.E. Session VI Page 11.				
	A.	Eye Iı	Eye Indicators. Id.			
		i.	HGN – None.			
		ii.	VGN – None.			
		iii.	Pupil Size – Dilated.			
		iv.	LOC – None.			
	B.	Gener	ral Indicators. Id.			
		i.	Hallucinations;			
		ii.	Paranoia;			
		iii.	Nausea;			
		iv.	Perspiring;			
		v.	Dazed appearance;			
		vi.	Flashbacks;			
		vii.	Body tremors;			
		viii.	Uncoordinated;			
		ix.	Disoriented;			

- x. Memory loss;
- xi. Synesthesia (mixing of the senses); and
- xii. Difficulty in speech.
- C. <u>Pupil Reaction to Light, Vital Signs, and Muscle Tone</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XIV Page 8.
 - i. Pupil's reaction to light Normal. However, certain Psychedelic amphetamines may cause slowing of the pupil's reaction to light.
 - ii. Pulse rate Up.
 - iii. Blood pressure Up.
 - iv. Temperature Up.
 - v. Muscle tone Rigid.
- 3. Onset and Duration of Effects. A.R.I.D.E. Session VI Page 12.
 - A. <u>LSD</u> Effects begin to be felt in 30-45 minutes. Pulse rate, blood pressure, and temperature rise. The pupils dilate. The hair starts to stand on end. Nausea, dizziness, and headache develop. The effects reach their peak in about 4-6 hours. After 7-9 hours, the effects diminish. **The user generally feels normal after 10-12 hours**. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XIV Page 7.
 - B. <u>Ecstasy</u> (MDMA) Effects usually begin within several minutes to a half hour if taken orally. It often results in severe dehydration and heat stroke in the user. The drug can heat the user's body up to a temperature well over 100 degrees. It causes hyperthermia, muscle breakdown, seizures, stroke, kidney and cardiovascular system failure, as well as permanent brain damage from repetitive use. The psychological effects of Ecstasy

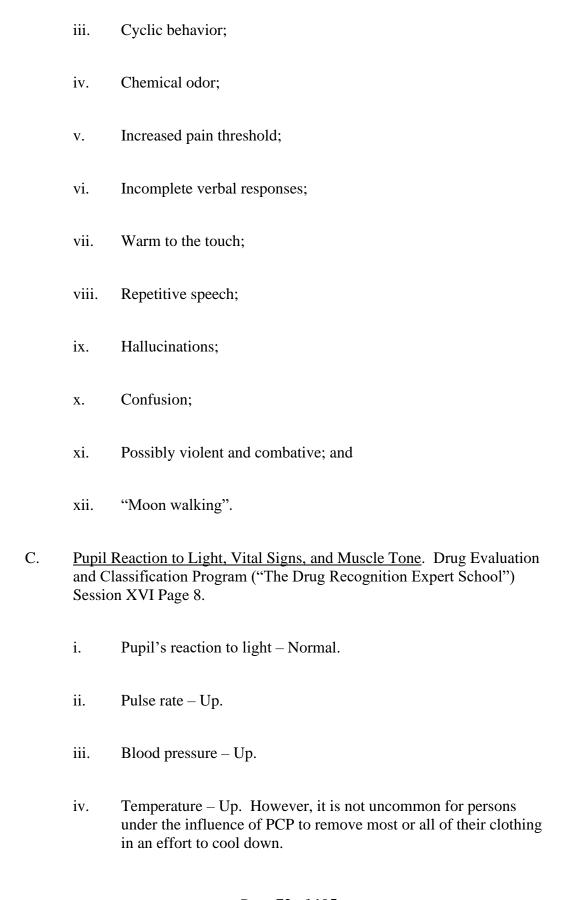
include confusion, depression, anxiety, sleeplessness and paranoia. **The duration of effects can last from 1-12 hours depending on the dosage.** Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XIV Page 7.

- C. <u>Psilocin</u> (mushrooms) Effects start to develop in about one-half hour. The user first experiences dizziness, a light headed feeling, and giddiness. The extremities begin to feel very light or very heavy. After about 30-60 minutes, vision blurs. Colors become brighter and leave longer lasting after images. Objects take on sharp visual definition and hearing becomes more acute. 60 to 90 minutes after eating the mushrooms, color patterns and shapes start to develop. The surfaces of objects become wary. Feelings of euphoria develop. Shortly thereafter, body sensations increase, along with mental perceptions. The user often becomes introspective. **After 2-3 hours, the effects begin to diminish**. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XIV Page 7.
- D. Peyote Effects generally begin to be felt within one-half hour after eating the cactus. The initial effects often include nausea, possible vomiting, mild rise in blood pressure, pulse rate, and temperature. And, the pupils dilate. After about one hour, sensory changes begin. The user experiences visual distortions, accompanied by rich colors. Objects take on new forms and begin to move. Shapes "come alive". The sensory changes reach their peak in about 3-4 hours, with synesthesia occurring at about that time period. After about 10 hours there will be a gradual decline in effects, with near total recovery in about 12 hours. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XIV Page 7.
- 4. <u>Conditions that May Mimic Drug Impairment by a Hallucinogen</u>. A.R.I.D.E. Session VI Page 12.
 - A. High fever; and
 - B. Mental illnesses.

Dissociative Anesthetics (DA)

- 1. <u>Introduction</u>. A.R.I.D.E. Session VI Pages 12-13.
 - A. The Dissociative Anesthetic category includes Phenyl Cyclohexyl Piperidine (PCP) along with its analogs⁴, as well as dextromethorphan (DXM). <u>Id.</u>
 - B. PCP can be found as a powder or a liquid. Ketamine (Ketalar) is an analog of PCP and is still used in pediatric and animal surgery. DXM is found in many over-the-counter anti-tussive cold medications such as Robitussin, Coricidin Cough and Cold, and Dimetapp. A.R.I.D.E. Session VI Page 13.
- 2. <u>Indicators of Appreciable Impairment from a Dissociative Anesthetic</u>
 - A. <u>Eye Indicators</u>. A.R.I.D.E. Session VI Page 14.
 - i. HGN Present.
 - ii. VGN Present.
 - iii. Pupil Size Normal.
 - iv. LOC Present.
 - B. <u>General Indicators</u>. A.R.I.D.E. Session VI Pages 13-14.
 - i. Perspiring;
 - ii. Blank stare;

⁴ An analog of a drug is one with a similar chemical composition. A.R.I.D.E. Session VI Page 12. Analogs have slightly different chemical structures but produce the same effects. <u>Id.</u>



- v. Muscle tone Rigid.
- 3. <u>Onset and Duration of Effects</u>. A.R.I.D.E. Session VI Page 14.
 - A. <u>PCP</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XVI Page 7.
 - i. When <u>smoked or injected</u>, PCP's effects generally are felt within 1-5 minutes.
 - ii. When <u>snorted</u>, the onset occurs in about 2-3 minutes.
 - iii. The effects reach their peak in about 15-30 minutes.
 - iv. If taken <u>orally</u>, PCP's effects are generally felt in 30-60 minutes.
 - v. **The effects generally last 4-6 hours**, but they can last somewhat longer.
 - B. <u>Ketamine</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XVI Page 7.
 - i. Effects generally last 30 to 45 minutes (injected);
 - ii. Effects generally last 45 to 60 minutes (snorted); and
 - iii. Effects generally last 1 to 2 hours (orally).
 - C. <u>DXM</u> DXM is rapidly absorbed from the gastrointestinal tract and peak plasma concentrations are reached in approximately 2.5 hours. It is widely distributed, and is rapidly and extensively metabolized by the liver. DXM is demethylated to dextrophan, an active metabolite, and 3-methoxymorphinan and 3-hydroxymorphinan. It exerts its antitussive effects within 15-30 minutes of oral administration. The duration of action is approximately 3-6 hours with conventional dosage forms. Drug

Evaluation and Classification Program ("The Drug Recognition Expert School") Session XVI Page 7.

- 4. <u>Conditions that May Mimic Drug Impairment by a Dissociative Anesthetic</u>. A.R.I.D.E. Session VI Page 15.
 - A. Mental illnesses may mimic impairment by Dissociative Anesthetics.

Narcotic Analgesics

1.	Introd	roduction. A.R.I.D.E. Session VI Page 15.				
	A.	Drugs in the Narcotic Analgesics category relieve pain.				
	В.		tic Analgesics are also included in the opiate family and are both prescription medications as well as illegal drugs.			
	C.	Specif	ic drugs in this category include, but are not limited to:			
		i.	Heroin;			
		ii.	Hydrocodone;			
		iii.	Vicodin;			
		iv.	Lortab;			
		v.	Tylenol 3 (with codeine);			
		vi.	Darvocet;			
		vii.	Morphine; and			
		viii.	Oxycontin.			
	D.		tic Analgesics enable the subject to develop a tolerance to the drug ime the drug is taken, a larger dose is required to achieve a similar ion.			

<u>Indicators of Appreciable Impairment from a Narcotic Analgesic</u> 2. Eye Indicators. A.R.I.D.E. Session VI Page 16. A. i. HGN - None.ii. VGN – None. iii. Pupil Size – Constricted. LOC – None. iv. B. General Indicators. A.R.I.D.E. Session VI Page 16. i. Droopy eyelids; "On the nod"; ii. iii. Drowsiness; Depressed reflexes; iv. Dry mouth; v. Low, raspy, slow speech; vi.

vii.

viii.

ix.

Euphoria;

Itching;

Fresh puncture marks;

- x. Nausea; and
- xi. Track marks.
- C. <u>Pupil Reaction to Light, Vital Signs, and Muscle Tone</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XVII Pages 8-9.
 - i. Pupil's reaction to light Little to none visible.
 - ii. Pulse rate Down.
 - iii. Blood pressure Lowered.
 - iv. Temperature Down.
 - v. Muscle tone Flaccid.
- 3. Onset and Duration of Effects. A.R.I.D.E. Session VI Page 16.
 - A. Heroin. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XVII Pages 7-8.
 - i. Heroin users generally experience certain psychological effects immediately after injection. These include a feeling of pleasure or euphoria; relief from withdrawal symptoms; and relief from pain.
 - ii. Physical effects, **if they are evident at all**, typically will become evident after 5-30 minutes. **But remember, physical effects may not be evident if the user is tolerant and has taken a normal dose**.
 - iii. The physical effects usually will be observable for up to 4-6 hours with new users.

ns and				
come				
ver, it is				
important to keep in mind that when withdrawal signs are evident, the individual is no longer under the active influence of				

	the drug.			
В.	Hydrocodone – 6 to 8 hours.			
C.	Dilaudid – 5 hours.			
D.	Percodan – 4 to 6 hours.			
E.	Methadone – 12 to 18 hours.			
Conditions that May Mimic Drug Impairment by a Narcotic Analgesic. A.R.I.D.E Session VI Page 17.				
A.	Fatigue;			
В.	Very recent head injuries;			
C.	Diabetic reactions;			
D.	Hypotension (low blood pressure); and			
E.	Severe depression.			

4.

Inhalants

- 1. <u>Introduction</u>. A.R.I.D.E. Session VI Page 18.
 - A. Inhalants vary widely in terms of the chemicals involved and the specific effects they produce.
 - B. Three sub-categories:
 - i. Volatile solvents Usually inhaled directly from their source. Examples include gasoline, paint thinners, fingernail polish remover, cleaning fluid, dry erase markers, paint, and glue.
 - ii. Aerosols Usually inhaled from a secondary source such as a soaked rag, paper bag, or plastic bag. Examples include hair sprays, deodorants, vegetable frying pan lubricants, insecticides, and spray paint.
 - iii. Anesthetic gases Can be inhaled from the source directly. Examples include chloroform, amyl nitrite, butyl nitrite, isobutyl nitrite, and nitrous oxide.
- 2. <u>Indicators of Appreciable Impairment from an Inhalant</u>. A.R.I.D.E. Session VI Page 19. [Tip: The Inhalant abuser will generally appear similar to someone who is impaired by alcohol. A.R.I.D.E. Session VI Page 18]
 - A. <u>Eye Indicators</u>. <u>Id</u>.
 - i. HGN Present.
 - ii. VGN Present (in high doses for the particular individual).
 - iii. Pupil Size Normal (may be dilated).
 - iv. LOC Present.

B.	General Indicators. Id.					
	i.	Confusion;				
	ii.	Flushed face;				
	iii.	Intense headaches;				
	iv.	Bloodshot, watery eyes;				
	v.	Lack of muscle control;				
	vi.	Odor of substance;				
	vii.	Non-communicative;				
	viii.	Disorientation;				
	ix.	Slurred speech;				
	х.	Possible nausea; and				
	xi.	Residue of substance around mouth and nose.				
C.	and Cl	Reaction to Light, Vital Signs, and Muscle Tone. Drug Evaluation lassification Program ("The Drug Recognition Expert School") in XIX Page 5.				
	i.	Pupil's reaction to light – Slow.				
	ii.	Pulse rate – Up.				
	iii.	Blood pressure – Up or down.				

- 1. Volatile Solvents and Aerosols usually will cause elevated blood pressure.
- 2. Anesthetic Gases usually will lower the blood pressure.
- iv. Temperature Up, down, or normal depending on the substance.
- v. Muscle tone Flaccid or normal (Anesthetic Gases may cause muscles to be flaccid).
- 3. <u>Onset and Duration of Effects</u>. A.R.I.D.E. Session VI Page 19.
 - A. Volatile Solvents -6 to 8 hours.
 - B. Anesthetic Gases/Aerosols Very short (minutes).
 - C. Nitrous Oxide Less than 5 minutes.
 - D. Amyl Nitrite/Butyl Nitrite Few seconds to 20 minutes.
- 4. <u>Conditions that May Mimic Drug Impairment by an Inhalant</u>. A.R.I.D.E. Session VI Page 20.
 - A. Severe head injuries; and
 - B. Inner ear disorders.

Cannabis

- 1. <u>Introduction</u>. A.R.I.D.E. Session VI Pages 20-21.
 - A. The primary psychoactive ingredient in Cannabis is Delta-9 Tetrahydrocannabinol (THC).
 - B. Different varieties of Cannabis contain various concentrations of THC.
 - C. The Cannabis category includes marijuana, hash, hash oil, and the synthetic drugs Marinol (Dronabinol).
 - D. The effects of Cannabis depend on the strength of the THC in the dose consumed. Concentrations vary from relatively low levels (3-6%) to more than 30%.
- 2. <u>Indicators of Appreciable Impairment from Cannabis</u>.
 - A. <u>Eye Indicators</u>. A.R.I.D.E. Session VI Page 22.
 - i. HGN None.
 - ii. VGN None.
 - iii. Pupil Size Dilated (Can be normal).
 - iv. LOC Present.
 - B. <u>General Indicators</u>. A.R.I.D.E. Session VI Page 21.
 - i. Marked reddening of the conjunctiva;
 - ii. Odor of marijuana;

iii.	Marijuana debris in the mouth;				
iv.	Body tremors;				
v.	Increased appetite;				
vi.	Relaxed inhibitions;				
vii.	Disoriented;				
viii.	Possible paranoia;				
ix.	Impaired perception of time and distance; and				
х.	Eyelid tremors.				
Pupil Reaction to Light, Vital Signs, and Muscle Tone. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXI Page 6.					
i.	Pupil's reaction to light – Normal.				
ii.	Pulse rate – Up.				
iii.	Blood pressure – Up.				
iv.	Temperature – Normal.				
v.	Muscle tone – Normal.				

C.

- 3. Onset and Duration of Effects. A.R.I.D.E. Session VI Page 22.
 - A. When marijuana is <u>smoked</u>, the user will experience peak effects within 10 to 30 minutes. Typical marijuana users usually exhibit the effects for 2 to 3 hours, with most behavioral and physiological effects dissipating after 3 to 6 hours.
 - B. Dronabinol/Marinol has an onset of 30 minutes to 1 hours with peak effects occurring between 2 and 4 hours.
- 4. <u>Conditions that May Mimic Drug Impairment by Cannabis</u>. A.R.I.D.E. Session VI Page 22.
 - A. Generally speaking, none.
 - B. However, a subject who has been diagnosed with an attention deficit disorder may mimic a cannabis user's inability or unwillingness to pay attention.

Drug Combinations

1. Introduction

- A. Many substance abusers routinely use more than one drug at a time. "Polydrug use" is defined as ingesting drugs from two or more drug categories. A.R.I.D.E. Session VII Page 3. When a person ingests drugs from two or more *different drug categories* into their body, each drug may work independently, but what the body will exhibit, however, is a combination of the effects of each drug. <u>Id.</u>
 - i. Note Polydrug use does <u>not</u> refer generally to ingesting more than one type of drug. It refers to an individual who has ingested drugs from two or more categories.
- B. When law enforcement comes in contact with a polydrug user, **a combination of effects** may be observed in the suspects. The effects may vary widely, depending on:
 - i. Exactly which combination of drugs is involved;
 - ii. How much of each drug was ingested (dose levels); and
 - iii. When they were ingested (time);
 - iv. A subject's metabolism; and
 - v. Environment. A.R.I.D.E. Session VII Page 7.
- C. There are four types of potential combined effects regarding polydrug use: Null Effect, Overlapping Effect, Additive Effect, and Antagonistic Effect. A.R.I.D.E. Session VII Page 3.

- 2. <u>Null Effect</u>. A.R.I.D.E. Session VII Page 4.
 - A. "No action plus no action equals no action." <u>Id.</u>
 - B. Examples of null effects.
 - i. CNS Stimulant and Narcotic Analgesic. Neither drug causes nystagmus, therefore you will <u>not</u> see nystagmus with this combination. Id.
 - ii. Another example from the Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Page 3 One of the first things a DRE does when examining a subject is to check for HGN. We know that many drugs do not affect nystagmus. For instance, if we examined a subject that was under the influence of a CNS Stimulant and nothing else, we would not expect to observe nystagmus. Likewise, if we examined someone who was under the influence of Cannabis and nothing else, no nystagmus would be present. What do you expect we would see when we check for nystagmus in the eyes of someone who has used a CNS Stimulant and Cannabis in combination? Since neither drug independently has any effect on nystagmus, the combination also would not affect nystagmus: Nothing plus nothing equals nothing.
 - iii. Yet another example from the Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Pages 3-4 Another example of the Null Effect would be found when we check the pupil size of a subject who was under the influence of a Dissociative Anesthetic and a CNS Depressant. Dissociative Anesthetics generally do not affect pupil size; neither does a CNS Depressant. The combination of these drugs will not affect the size of the pupils.

- 3. Overlapping Effect. A.R.I.D.E. Session VII Page 5.
 - A. "Something plus nothing equals something" or 1 + 0 = 1. <u>Id.</u>
 - B. The overlapping effect comes into play when one drug does affect an indicator of impairment and the other drug has no effect on that indicator. <u>Id.</u>
 - C. Examples of overlapping effects.
 - i. Dissociative Anesthetic and Narcotic Analgesic. A Dissociative Anesthetic will enhance nystagmus, which a Narcotic Analgesic does not cause nystagmus. Therefore, you will see nystagmus if the suspect is appreciably impaired. Id.
 - ii. Another example from the Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Page 4 Consider the example of a combination of a CNS Stimulant and Cannabis. We know this combination produces a Null Effect as far as nystagmus is concerned. But what about when we examine the subject's eyes for Lack of Convergence? Cannabis does produce a Lack of Convergence; a CNS Stimulant doesn't. Therefore, the subject who is under the combined influence of Cannabis and a CNS Stimulant will exhibit a Lack of Convergence due to the independent effect of the Cannabis.
 - iii. Yet another example from the Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Page 4 Consider the example of a combination of a Dissociative Anesthetic and a Narcotic Analgesic. A Dissociative Anesthetic doesn't have any effect on pupil size. Narcotic Analgesics cause constricted pupils. Therefore, the combination would also cause the pupils to constrict.

- 4. <u>Additive Effect</u>. A.R.I.D.E. Session VII Pages 5-6.
 - A. "Action plus action equals greater action." <u>Id.</u>
 - B. The additive effect occurs when two drug categories affect the same indicator in the same way. In other words the effects "add together" or reinforce each other to produce a greater effect than one of the drugs could produce individually. Id.
 - C. Examples of additive effects.
 - i. CNS Stimulants and Hallucinogens both cause pupil dilation. Thus, pupils would be dilated if the suspect is appreciably impaired. <u>Id.</u>
 - CNS Depressant and Dissociative Anesthetic both cause HGN.
 Thus, HGN would be present if the suspect is appreciably
 impaired.
 - 1. Note the A.R.I.D.E. manual also uses this principle strictly with CNS Depressants: "The combination of Alcohol and other CNS Depressants typically cause exaggerated indicators, for example HGN will be present with alcohol, but will not be consistent with the BAC when used in combination with other CNS Depressants." A.R.I.D.E. Session VII Page 6.
 - iii. Another example from the Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Page 4 Consider the example of a combination of a CNS Stimulant and Cannabis. What will we find when we check the subject's pulse rate? Cannabis produces Tachycardia; so does a CNS Stimulant. When the two drugs are taken together, we can expect to observe tachycardia because the drugs reinforce each other for that particular indicator of impairment. That is, the effect is additive.

- 5. <u>Antagonistic Effect.</u> A.R.I.D.E. Session VII Page 6.
 - A. "Action plus an opposite action equals anything." <u>Id.</u>
 - B. An antagonistic effect occurs when two drug categories affect some indicator in exactly opposite ways. <u>Id.</u>
 - C. The observable signs of impairment will be dependent upon which drug is more psychoactive in the body at any given time. <u>Id.</u>
 - D. Examples of Antagonistic Effect.
 - Consider an individual who has presented general indicators consistent with the CNS Stimulant and Narcotic Analgesic categories. Typically, Stimulus use results in dilated pupils while Narcotic Analgesics generally cause pupils to be constricted.
 Based on an individual under the influence of a combination of a Stimulant and a Narcotic Analgesic, the officer may observe normal pupils due to the antagonistic effect, the pupils may be dilated due to the effect of the Stimulant, or the pupils may be constricted due to the effect of the Narcotic Analgesic. <u>Id.</u>
 - Another example from the Drug Evaluation and Classification ii. Program ("The Drug Recognition Expert School") Session XXIV Page 4 – Consider the example of a combination of a Narcotic Analgesic and a CNS Stimulant. The fact is, we're likely to find just about anything at all. The Narcotic Analgesic, independently, tends to produce hypotension; the CNS Stimulant, independently, usually produces hypertension. The two drugs may offset each other, as far as blood pressure is concerned, and the subject's blood pressure may wind up normal. On the other hand, if the CNS Stimulant effects are starting to wear off and the Narcotic Analgesic is still active in the subject's body, we might find the blood pressure down. Conversely, if the CNS Stimulant is active but the Narcotic Analgesic effects have not yet reached their peak, we might find the blood pressure up. When we deal with an Antagonistic Effect, we simply can't predict what the outcome will be.

- 6. <u>Common Drug Combinations</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session II Pages 4-5.
 - A. Alcohol and virtually any other drug.
 - B. Marijuana and PCP. A common way of ingesting PCP is to sprinkle it on a marijuana cigarette and smoke it.
 - C. Cocaine and Heroin. This combination is commonly called a "speedball."
 - D. Heroin and Amphetamine. This combination is commonly called "a poor man's speedball."
 - E. Heroin and PCP. Sometimes called a "fireball."
 - F. Crack Cocaine and PCP. Sometimes called a "space base."
 - G. Crack Cocaine and Marijuana. Sometimes called "primo."
 - H. Crack Cocaine and Methamphetamine. Sometimes called "croak."
- 7. <u>Specific Examples of Drug Combinations</u>
 - A. Attach Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXIV Pages 9-10.

Conditions which may Mimic Drug Impairment⁵

1. Head Trauma

A. A severe blow or bump to the head may injure the brain and create disorientation, confusion, lack of coordination, slowed responses, speech impairment, and other gross indicators similar to those of alcohol and/or drug impairment. Sometimes the pupils will be noticeably different in size or one eyelid may droop while the other appears normal. Additionally, the eyes may not be able to track equally while focusing on the stimulus.

2. Stroke

A. A stroke will usually produce many of the same effects and indicators associated with head trauma. Stroke victims often will have pupils that are markedly different in size. One pupil may remain fixed and exhibit no visible reaction to light, while the other reacts normally. Individuals suffering from a stroke will often have a dazed appearance and be confused and/or scared.

3. Diabetes

A. A diabetic is most likely to be confused with a person impaired by alcohol or drugs when he or she has taken too much insulin, so that the blood sugar levels become dangerously low. This condition is called **insulin shock**. A diabetic in insulin shock may appear very confused, may be non-responsive, sweat profusely and exhibit elevated pulse rate and blood pressure. A way to test whether the suspect is going through insulin shock or not is to give them a glass of orange juice or bite of candy and see if their condition improves.

⁵ A.R.I.D.E. Session IV Page 8.

4. <u>Conjunctivitis (or "pink eye")</u>

A. An inflammation of the mucous membrane that lines the inner surface of the eyelids giving a red, bloodshot appearance of the conjunctiva of the eyes. This may appear similar to the bloodshot conditions associated with impairment by alcohol or cannabis.

5. Multiple Sclerosis or other Degenerative Muscular Disorder

A. These individuals may lack coordination or exhibit gait ataxia, tremors, slurred or garbled speech, and many of the other gross motor indicators of intoxication.

6. Other Medical Conditions

A. Other medical conditions that may cause signs and symptoms similar to drug impairment include: carbon monoxide poisoning, seizures, endocrine disorders, neurological conditions, psychiatric conditions, and infections.

7. Behavioral Conditions

- A. Some behavioral conditions may affect demeanor, general appearance, and vital signs. Some examples include fear, anxiety, and depression.
- 8. <u>Bipolar Disorder (Manic-Depression)</u>. Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session VI Page 13.
 - A. Bipolar Disorders. All information under this subsection on bipolar disorders comes from the American Psychiatric Association, Desk Reference to the Diagnostic Criteria from DSM-5 (2013).

- i. <u>Bipolar I Disorder⁶</u>
 - 1. <u>Manic Episode ("mania")</u>
 - a. A person diagnosed with Bipolar I disorder must meet criteria i. through v. for a manic episode:
 - i. Abnormally and persistently elevated, expansive, or irritable mood;
 - ii. Abnormally and persistently increased activity or energy, lasting at least 1 week and present most of the day, nearly every day.
 - iii. During the period of mood disturbance or increased activity, **three or more** of the following seven symptoms are present to a significant degree and represent a **noticeable change from usual behavior** (remember, "noticeable" distinguishes mania from hypomania):
 - 1. Inflated self-esteem or grandiosity;
 - 2. Decreased need for sleep (e.g., feels rested after only 3 years of sleep);
 - 3. More talkative than usual;
 - 4. Flight of ideas or racing thoughts;

⁶ As you study the difference between bipolar I disorder and bipolar II disorder, an extremely simplistic approach (remember, I'm not a psychiatrist) is that an individual who suffers from bipolar I may experience both mania and hypomania; an individual who suffers from bipolar II merely experiences hypomania. Internet searches indicate hypomania could be called "mania light": all the crazy with half the impairment. Notice that mania causes *marked impairment in functioning*; hypomania *is not severe enough to cause marked impairment in functioning*.

I elected to include detailed information regarding bipolar disorder because I have encountered a number of clients charged with DWI who have been adamant they were not impaired; rather, they were going through a manic episode. Use this outline to as a tool to gauge the credibility of your client's analysis.

- 5. Distractibility (i.e., attention too easily drawn to unimportant or irrelevant external stimuli);
- 6. Increase in goal-oriented activity (either socially, at work, at school, or sexually) or **psychomotor agitation** (i.e., purposeless non-goal directed activity);
- 7. Excessive involvement in activities that have a high potential for painful consequences (e.g., engaging in buying sprees, sexual indiscretions, or foolish business investments);
- iv.. The mood disturbance is sufficiently severe to cause **marked impairment in functioning** or there are psychotic features; and
- v. The episode is not attributable to the physiological effects of a substance (e.g., a drug abuse, a medication, other treatment) or to another medical condition.
- b. **Criteria i. through v. constitute a manic episode.** At least one lifetime manic episode is required for the diagnosis of bipolar I disorder.
- 2. <u>Hypomanic Episode ("hypomania")</u>
 - a. Criteria i. through vi. below constitute a hypomanic episode. Hypomanic episodes are common in bipolar I disorder but are not required for the diagnosis of a bipolar I disorder.
 - i. For a period of at least 4 consecutive days, and present most of the day, a distinct period of abnormally and persistently elevated, expansive, or

irritable mood and abnormally increased activity or energy;

- ii. During the period of mood disturbance or increased activity, **three or more** of the following symptoms are present to a significant degree and represent a **noticeable change from usual behavior**:
 - 1. Inflated self-esteem or grandiosity;
 - 2. Decreased need for sleep (e.g., feels rested after only 3 years of sleep);
 - 3. More talkative than usual;
 - 4. Flight of ideas or racing thoughts;
 - 5. Distractibility (i.e., attention too easily drawn to unimportant or irrelevant external stimuli);
 - 6. Increase in goal-oriented activity (either socially, at work, at school, or sexually) or **psychomotor agitation** (i.e., purposeless non-goal directed activity);
 - 7. Excessive involvement in activities that have a high potential for painful consequences (e.g., engaging in buying sprees, sexual indiscretions, or foolish business investments);
- iii. Unequivocal change in functioning that is uncharacteristic of the individual when not symptomatic;
- iv. The mood disturbance and change in functioning are able to be observed by others;

- v. Episode is **not severe enough to cause marked impairment in functioning**; and
- vi. The episode is not attributable to the physiological effects of a substance (e.g., a drug abuse, a medication, other treatment) or to another medical condition.

3. <u>Major Depressive Episode</u>

- a. **Criteria i. through iii. below constitute a major depressive episode**. Hypomanic episodes are common in
 bipolar I disorder but are not required for the diagnosis of a
 bipolar I disorder.
 - i. For a period of the same 2 week period, **five or more** of the following symptoms have been present
 and represent a change from previous functioning;
 at least one of the symptoms is either (1) depressed
 mood or (2) loss of interest or pleasure:
 - 1. Depressed mood most of the day (via subjective reports or observation by others);
 - 2. Diminished interest or pleasure in all, or almost all, activities of the day (via subjective reports or observation by others);
 - 3. Significant weight loss when not dieting or weight gain, or noticeable change in appetite;
 - 4. Insomnia or hypersomnia;
 - 5. Psychomotor agitation or retardation (observable by others; not merely subjective

feelings of restlessness or being slowed down);

- 6. Fatigue or loss of energy;
- 7. Feelings of worthlessness or excessive or inappropriate guilt (which may be delusional);
- 8. Diminished ability to think or concentrate, or indecisiveness (via subjective reports or observation by others);
- 9. Recurrent thoughts of death (not just fear of dying), recurrent suicidal ideation without a specific plan, or a suicide attempt or a specific plan for committing suicide.
- ii. The symptoms cause clinically **significant** distress or **impairment** in social, occupational, or other important areas of **functioning**.
- iii. The episode is not attributable to the physiological effects of a substance or another medical condition.

ii. <u>Bipolar II Disorder</u>

1. For diagnosis of bipolar II disorder, it is **necessary to meet the following criteria** for a current or past hypomanic episode **and** the following criteria for a current or past major depressive episode:

a. <u>Hypomanic Episode</u>

i. For a period of at least 4 consecutive days, and present most of the day, a distinct period of abnormally and persistently elevated, expansive, or irritable mood and abnormally increased activity or energy;

- ii. During the period of mood disturbance or increased activity, **three or more** of the following symptoms are present to a significant degree and represent a **noticeable change from usual behavior**:
 - 1. Inflated self-esteem or grandiosity;
 - 2. Decreased need for sleep (e.g., feels rested after only 3 years of sleep);
 - 3. More talkative than usual;
 - 4. Flight of ideas or racing thoughts;
 - 5. Distractibility (i.e., attention too easily drawn to unimportant or irrelevant external stimuli);
 - 6. Increase in goal-oriented activity (either socially, at work, at school, or sexually) or **psychomotor agitation** (i.e., purposeless non-goal directed activity);
 - 7. Excessive involvement in activities that have a high potential for painful consequences (e.g., engaging in buying sprees, sexual indiscretions, or foolish business investments);
- iii. Unequivocal change in functioning that is uncharacteristic of the individual when not symptomatic;
- iv. The mood disturbance and change in functioning are able to be observed by others;

- v. Episode is **not severe enough to cause marked impairment in functioning**; and
- vi. The episode is not attributable to the physiological effects of a substance (e.g., a drug abuse, a medication, other treatment) or to another medical condition.

b. <u>Major Depressive Episode</u>

- i. Criteria 1-3 below constitute a major depressive episode.
 - 1. For a period of the same 2 week period, **five or more** of the following symptoms have been present and represent a change from previous functioning; at least one of the symptoms is either (1) depressed mood or (2) loss of interest or pleasure:
 - a. Depressed mood most of the day (via subjective reports or observation by others);
 - b. Diminished interest or pleasure in all, or almost all, activities of the day (via subjective reports or observation by others);
 - c. Significant weight loss when not dieting or weight gain, or noticeable change in appetite;
 - d. Insomnia or hypersomnia;
 - e. Psychomotor agitation or retardation (observable by others; not merely subjective feelings of restlessness or being slowed down);

- f. Fatigue or loss of energy;
- g. Feelings of worthlessness or excessive or inappropriate guilt (which may be delusional);
- h. Diminished ability to think or concentrate, or indecisiveness (via subjective reports or observation by others);
- i. Recurrent thoughts of death (not just fear of dying), recurrent suicidal ideation without a specific plan, or a suicide attempt or a specific plan for committing suicide.
- 2. The symptoms cause clinically **significant** distress or **impairment** in social, occupational, or other important areas of **functioning**.
- 3. The episode is not attributable to the physiological effects of a substance or another medical condition.

The Log of Drug Influence Evaluations ("Rolling Log")

1. **The Log of Drug Influence Evaluations ("Rolling Log").** Drug Evaluation and Classification Program ("The Drug Recognition Expert School") Session XXX Pages 14-15.

A. Introduction

- i. Beginning with a DRE's first night of Certification Training, and continuing throughout the career of a DRE, a DRE is required to maintain a log of all persons examined for possible drug impairment.
- ii. Purpose of the Rolling Log is three-fold:
 - 1. Determines whether or not the DRE's instructors can recommend the officer for initial certification as a DRE;
 - a. Under the International Standards for the Drug Evaluation and Classification Program (IACP), instructors cannot certify a DRE unless their Rolling Log of drug influence evaluations is up-to-date, complete, and accurate.
 - b. To attain certification, the DRE must conduct a minimum of 12 DRE evaluations with an instructor. The DRE only has to be the evaluator on at least six of the evaluations, and only 75% or better of his or her opinions must be corroborated by toxicological results. Id. at Page 16.
 - 2. Determines whether or not the DRE qualifies for re-certification when the initial certification expires; and
 - a. The Rolling Log is key for re-certification. It proves that the DRE has maintained his or her proficiency in the field.

- 3. May determine whether or not the trial judge in a particular drug impairment case qualifies the DRE as an expert and thus allows the rendering of a DRE opinion as evidence.
 - a. A DRE "must" bring his or her Rolling Log each time she goes to court as a DRE.

B. What is the Rolling Log?

- i. "Control Number" box In the "Control Number" box, the DRE will print the number that the DRE assigns to the evaluation; i.e., if this is the seventh examination in which the DRE participated in 2005, the control number would be 2005-7.
 - Note an examination always appears in this box, even if the DRE at issue was not the individual who actually conducted the examination. See below.
 - 2. If the DRE was the actual examining DRE for the particular case, he or she need not print anything other than the control number in that box.
 - 3. If the DRE served only as the recorder, the DRE must print "RECORDER" in the box immediately below the control number.
 - 4. If the DRE served only as a witness, the DRE must print "WITNESS" in the box immediately below the control number.
- ii. In the box to the right of the control number, the DRE prints the subject's full name and case number if one exists.
- iii. The next box shows the date on which the evaluation began.
- iv. In the next box, the DRE's opinion is recorded in "complete detail." If the DRE concludes the subject is not impaired, that is what will be recorded. If the DRE concludes the person is under the influence of alcohol only, that is what will be recorded. If the DRE believes the subject is suffering from an injury or illness, the DRE prints "Medical Rule Out" in the box.

Otherwise, the DRE records the category or combination of categories of drugs that the DRE believes is causing the impairment. If the subject has a positive BAC, the DRE includes alcohol as a cause of impairment.

- v. In the "Toxicologic Results" box, the DRE prints the outcome of all chemical tests performed on the subject (Note this is where you get to see the reliability of the DRE's opinions ... in other words, how often is the DRE accurate in his or her conclusions?).
- vi. In the final box, print the names of persons who witnessed the evaluation and any other appropriate comments.
- vii. Put example of Rolling Log here. <u>Id.</u> at Page 17.

C. <u>Practice Pointer</u>

i. Subpoena the DRE's Rolling Log and specifically ask for it in discovery.

Summary Checklist in Evaluating a Drug or Medication Impaired Driving Case

1. This checklist relates to "impairment" only. It does not outline the myriad of other issues that may arise in a given DWI case.

2. Checklist:

- A. Is there evidence that the defendant was under the influence of an alleged impairing substance?
- B. If so, what are the alleged impairing substances?
 - i. If the alleged impairing substances are medications, look them up in the Physician's Desk Reference. If you need help, consider consulting the defendant's prescribing physician or a local pharmacist to obtain a better understanding of the medication.
- C. Did the defendant make a statement regarding (a) the time and (b) the strength of his or her last dose of the alleged impairing substances?
- D. What length of time are the alleged impairing substances' half-lives? In other words, how many hours (or days) would these substances continue to be present in an individual's blood?
- E. What drug category or categories do the alleged impairing substances fall under?
- F. What are the observable signs of impairment that are consistent with medication or drugs in that category or categories?
- G. Are the officer's observations of the defendant consistent with the type of intoxication the State is trying to prove?

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Did the defendant suffer from any conditions which may mimic drug impairment?

Are there any other reasonable explanations for the officer's observations?

H.