

Horizontal Gaze Nystagmus- HGN

Involuntary jerking of the eyes as they gaze from side-to-side

Reliable

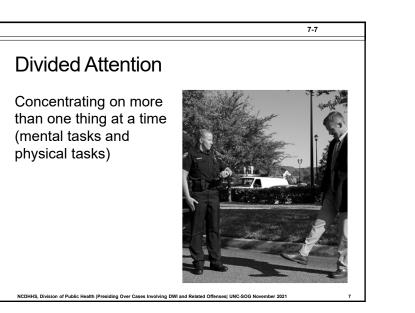


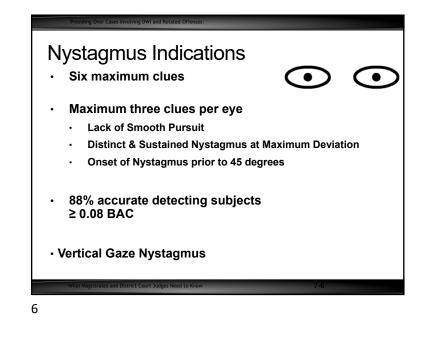
Noticeable

Involuntary

- As BAC increases, eyes begin to jerk sooner as they move to the side
- CNS Depressants, Inhalants, and Dissociative
 Anesthetics cause HGN





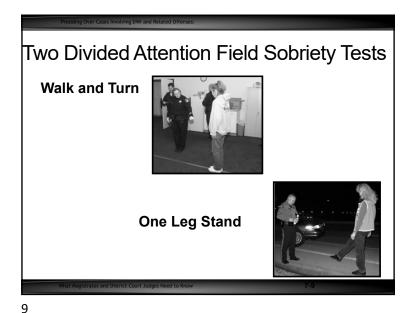


Typical Simultaneous Capabilities Required for Driving

NCDHHS, Division of Public Health IPresiding Over Cases Involving DWI and Related Offenses! UNC-SOG November 202

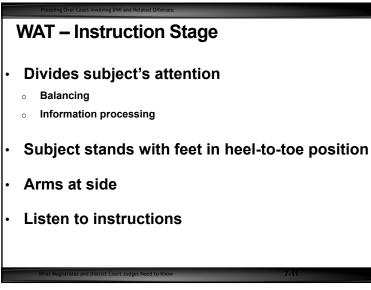
- Information processing
- Short-term memory
- Judgment/decision making
- Balance

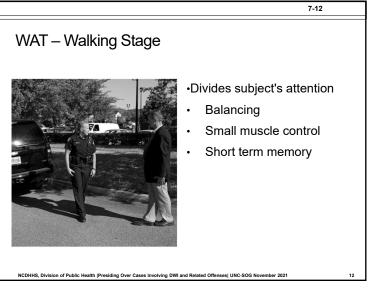
- Steady, sure reactions
- Clear vision
- Small muscle control
- Coordination of limbs

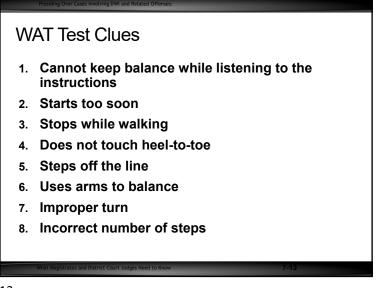


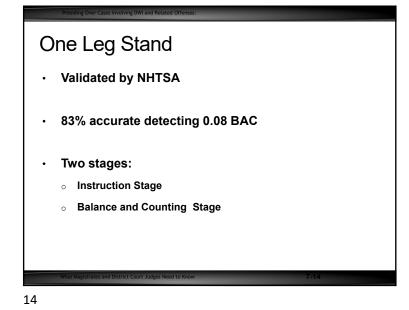
Walk and Turn Validated by NHTSA 79% accurate detecting 0.08 BAC Two stages: Instruction Stage Walking Stage

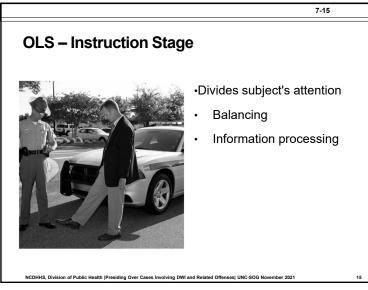
ases Involving DWI and Related Off

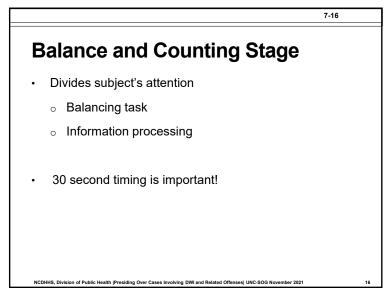












OLS Test Clues

1. Sways while balancing

Cases Involving DWI and Related Offense

- 2. Uses arms to balance
- 3. Hopping
- 4. Puts foot down

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Presiding Over Cases Involving DWI and Related Offenses:

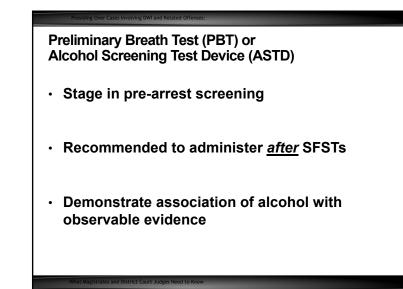
t Magistrates and District Court Judges Need to Know

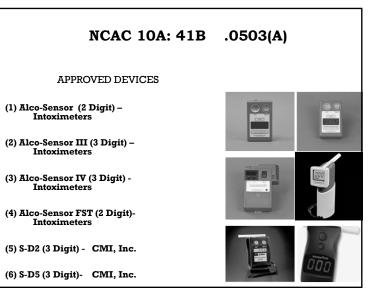
Advantages of ASTD

Corroborate other evidence

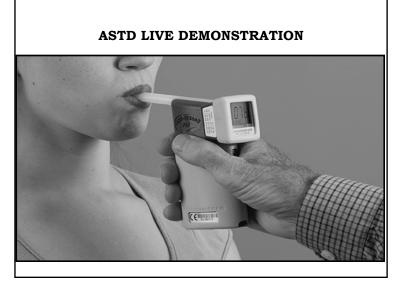
t Magistrates and District Court Judges Need to Know

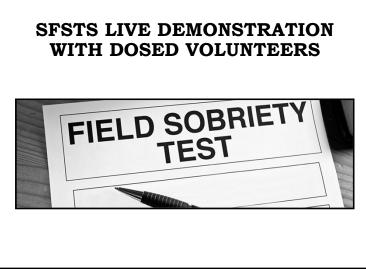
- Confirm alcohol as cause of impairment
- Helps to rule out a medical condition
- $\boldsymbol{\cdot}$ Can help establish probable cause for DWI arrest

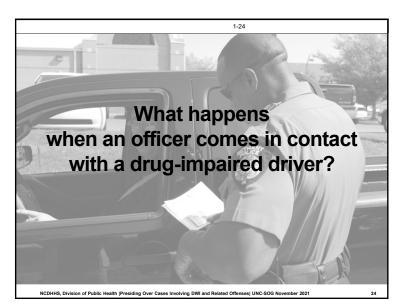


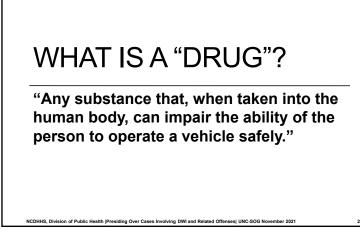


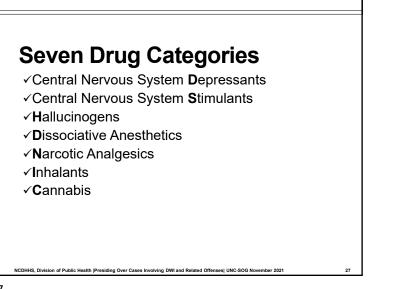












Advanced Roadside Impaired Driving Enforcement (ARIDE)



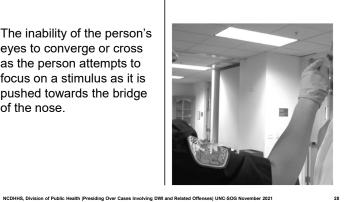
- **Build on SFST skills**
- Identify drug-impaired drivers
- Support the DEC Program

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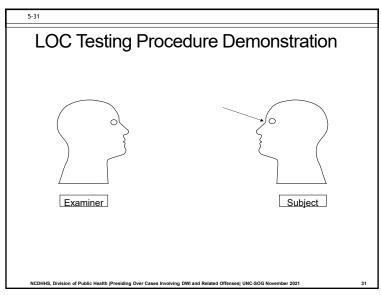
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Lack of Convergence (LOC)

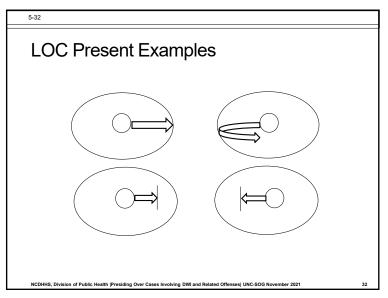
The inability of the person's eyes to converge or cross as the person attempts to focus on a stimulus as it is pushed towards the bridge of the nose.











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Drug Categories That Usually Cause LOC

- CNS Depressants
- Inhalants
- Dissociative Anesthetics
- Cannabis

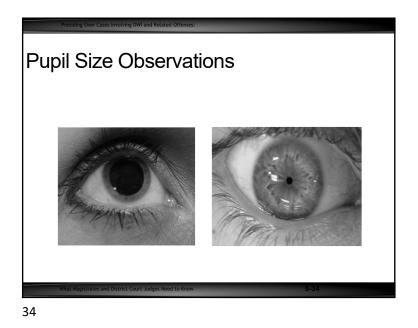
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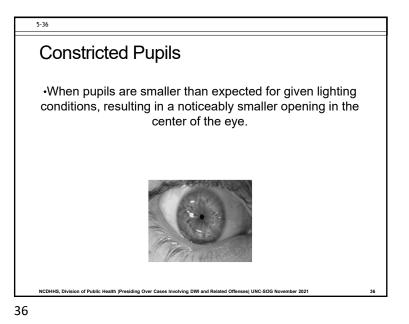
Dilated Pupils

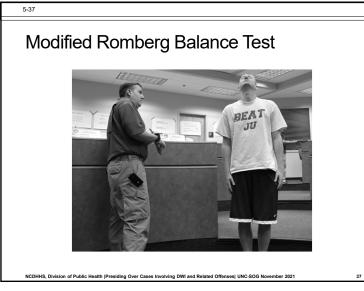
•When pupils are larger than expected for given lighting condition, resulting in a noticeably larger opening (circle) in the center of the eye.

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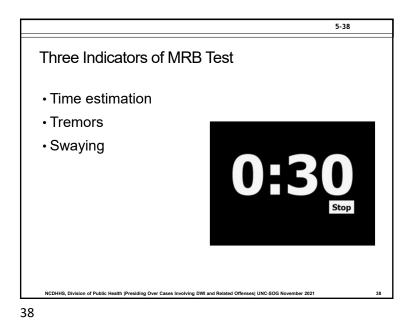


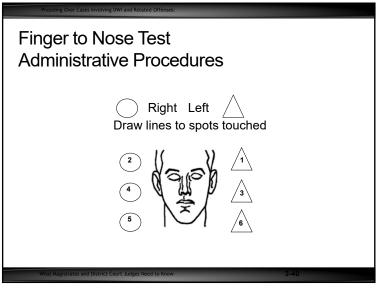










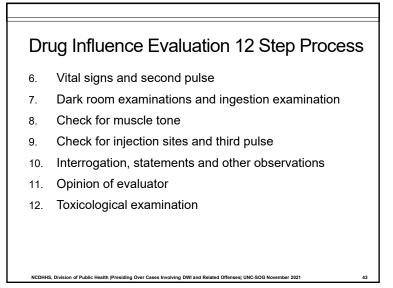


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Finger to Nose Test Demonstration



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Drug Influence Evaluation 12 Step Process 1. Breath alcohol test 2. Interview of arresting officer 3. Preliminary examination and first pulse 4. Eye examinations 5. Divided attention tests:

- Modified Romberg Balance
- Walk and Turn
- One Leg Stand
- Finger to Nose

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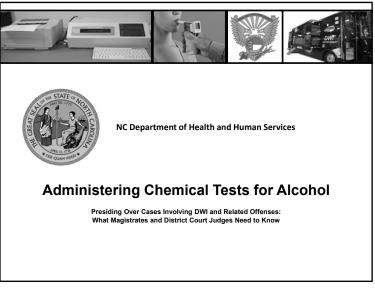
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DRE Certification Requirements

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- ASTD= 7 hours
- EC/IR II= 35 hours
- SFST= 24 hours
- ARIDE= 16 hours
- DRE Pre-school= 16 hours
 DRE School= 64 hours
- FKE~ 8 hours
- Field Cert Evals~ 40 hours
- $\boldsymbol{\cdot}$ ~ 210 hours of training to reach DRE

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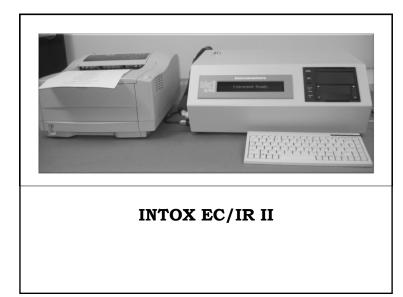


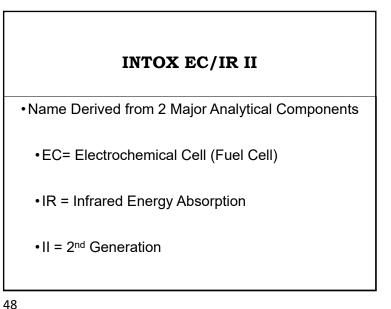
The following **operational procedures** <u>shall be followed</u> when administering a test using the Intoximeters, Model Intox EC/IR II and Model Intox EC/IR II (Enhanced with serial number 10,000 or higher):

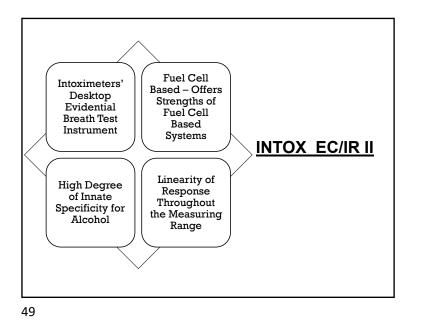
- (1) Ensure instrument displays time and date;
- (2) Ensure observation period requirements have been met;
- (3) Initiate breath test sequence;
- (4) Enter information as prompted by the instrument;
- (5) Verify instrument accuracy;
- (6) When "PLEASE BLOW" appears, collect breath sample;
- (7) When "PLEASE BLOW" appears, collect breath sample; and
- (8) Print test record.

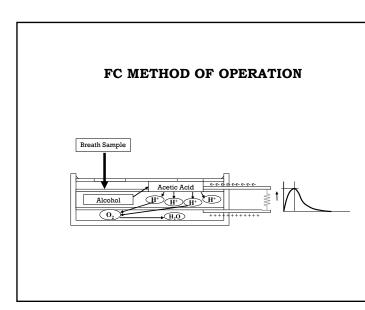
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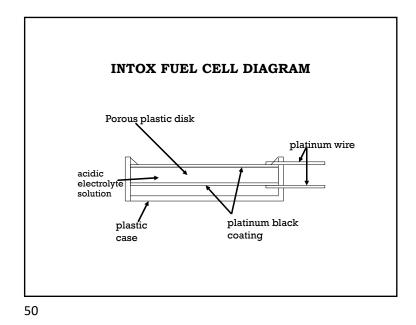
If the alcohol concentrations differ by more than 0.02, a third or fourth breath sample shall be collected when "PLEASE BLOW" appears. **Sequential tests shall be administered as soon as feasible by repeating steps (1) through (8), as applicable.**

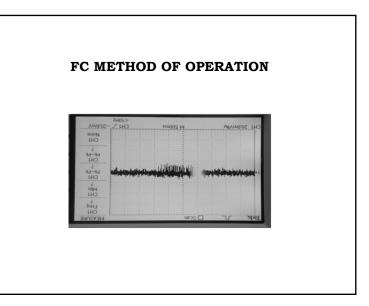


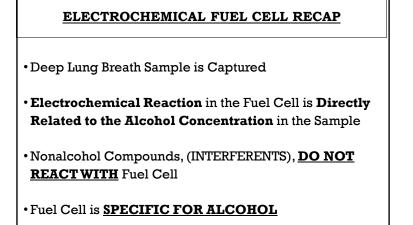




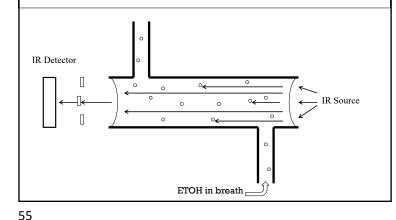








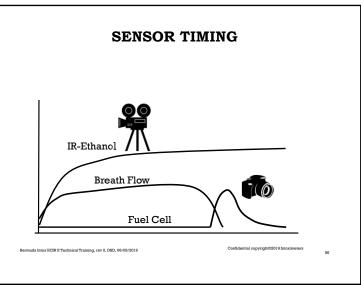
Ethanol absorbs the light energy as it passes through the sample, reducing the amount of infrared energy that strikes the detector.

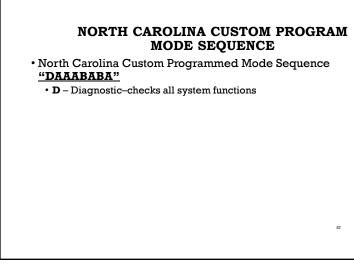


INTOXIMETER EC/IR II INFRARED ANALYSIS

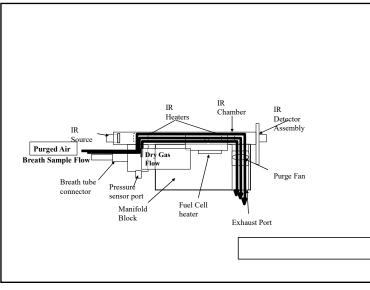
The EC/IR II monitors both EtOH and CO_2 to determine Breath Sample Quality

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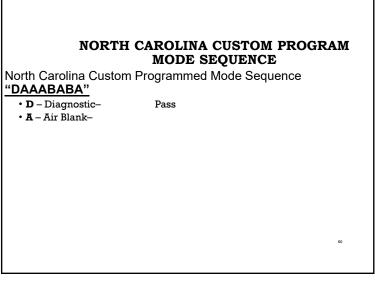


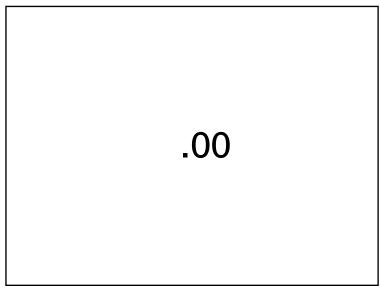




NORTH CAROLINA CUSTOM PROGRAM MODE SEQUENCE

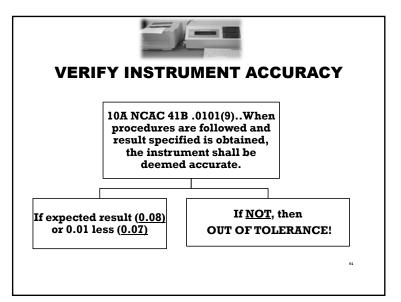
- North Carolina Custom Programmed Mode Sequence "DARABABA"
- **D** Diagnostic– Pass
- A Air Blank– Purges chamber/breath tube







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NORTH CAROLINA CUSTOM PROGRAM **MODE SEQUENCE**

• North Carolina Custom Programmed Mode Sequence <u>"DAAABABA"</u>

.08

 D – Diagnostic– 		D - Diagnostic-	
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• D – Diagnostic–	Pass
• A – Air Blank–	.00

- A Accuracy check –
- **A** Air Blank–

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NORTH CAROLINA CUSTOM PROGRAM MODE SEQUENCE

 North Carolina Custom Programmed Mode Sequence "DAAABABA"

• D – Diagnostic–	Pass		
• A – Air Blank–	.00	-1	
 A – Accuracy check – 	.08	-2	
• A – Air Blank–	.00	-3	
• B – Breath –	.08	-4	
• A – Air Blank –	.00	-5	
• B – Breath –	.08	-6	
• A – Air blank –	.00	-7	



