

SIDNE[®] Overview

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INTRODUCTION

Innocorp, Ltd. provides tools that help you create and deliver messages and lessons that reflect the reality of the impact of alcohol and other drug use. Advocates who use our products can deliver rich learning experiences by blending presentations, case studies, and discussions with vivid, dynamic and memorable demonstrations. Although many of our customers are seasoned professionals, some are looking for help in starting new programs.

This guide is designed to help you prepare and deliver a rich learning experience that meets your learning objectives. The manual is comprised of three major sections:

- SIDNE® Overview
 - Putting the Brakes on Impaired Driving
- Planning & Delivering Your Program
 - Planning Your Program
 - The Facts
 - Choices & Consequences
 - Promoting Your Program
 - Delivering Your Message in 5 Minutes
- SIDNE® Owner's Manual

Using this Guide

You can use this guide to create a totally brand new program by going through the **Planning and Delivering Your Program** Section, then working through **Putting the Brakes on Impaired Driving**.

If your program is already in place and you are adding SIDNE® as a new tool, go straight to **Putting the Brakes on Impaired Driving** section.

In both instances be sure to review the SIDNE® **Owner's Manual** Section.

Section Descriptions

Putting the Brakes on Impaired Driving contains the necessary planning and instructional guidance to successfully implement a driving simulation. The section includes the steps to setting up a course, safety information, and a list of steps to deliver a driving simulation.

The **Planning Section** will guide you through the program planning process. This process includes defining your audience and learning objectives, designing your program, choosing a time

and location, and ensuring you have the resources you need. Recognize that individuals learn in different ways and are impacted differently by logic and emotions. We have developed specific learning events that you can employ. When time, space, and resources allow, using all of the learning events offered in this program that align with your educational objectives will provide you the best results. This module includes information for promoting your program to your target audience. Whether you have a captive audience with required attendance or you are trying to lure willing participants to the program, this section will offer you suggestions on how you can promote your program. The **Delivering Your Message in 5 Minutes Section** offers guidance on how to deliver a program in an environment where you do not have a group of captive participants. This guide is designed to assist instructors who are trying to deliver their message in a venue such as a fair, a conference, church or school picnic, or non-structured gathering.

The **Owner's Manual Section** reviews the operation and maintenance procedures for SIDNE®. It includes the maintenance schedule.

Materials List

- 1. SIDNE® OVERVIEW**
- 2. PLANNING & DELIVERING YOUR PROGRAM**
- 3. THE FACTS**
- 4. CHOICES & CONSEQUENCES**
- 5. PROMOTING YOUR PROGRAM**
- 6. DELIVERING YOUR MESSAGE IN FIVE MINUTES**
- 7. SIDNE® OWNER'S MANUAL**
- 8. TOOLS INCLUDED WITH YOUR GUIDE**
 - a. SIDNE® COURSE CARDS**
 - b. ENCLOSED CD**

The enclosed CD has the following files:

- SIDNE® Overview .doc
- Planning & Delivering Your Program .doc
- The Facts Slide.ppt - MS PowerPoint Presentation. This is an outline for a classroom presentation. It should be customized to fit your presentation style and your community's statistics. A handout printout is included in the Appendix of The Facts Section.
- Owners Manual.doc
- Quickstart guide.pdf
- SIDNE® Certificate of Appreciation – SIDNE® certificate. PDF
- VIDEO File folder contains video Clips of SIDNE® news coverage.

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Putting the Brakes on Impaired Driving

This educational program guide is designed to help you prepare and deliver a safe and rich learning experience that meets your learning objectives.

Believing that a “picture is worth a thousand words,” we highly recommended that you view the videos included with your package:

- SIDNE® Demonstration
- SIDNE® Operation & Safety Training Video



Preparation

IMPAIRMENT STATEMENT

SIDNE® simulates a moderate to high level of impairment. We do not have any specific blood alcohol concentration (B.A.C.) or number of drinks associated with the effects of SIDNE®. This is because while we can fix the impairing affects of SIDNE® to a specific delay of steering, braking and acceleration, a person's individual level of impairment given a specific BAC can vary significantly. The one constant among all people in an impaired state is that their normal levels of ability are reduced. Reduced abilities means a higher chance of being involved in a crash that results in injury or death if they choose to drive. The one message that we deliver with SIDNE® is “*never drive impaired.*”

GETTING STARTED

It is important that everyone involved in the program receives the proper training and follows all necessary precautions to ensure the safety of all participants.

You should make sure that all safety features are in working order and all safety procedures are followed. SIDNE®’s safety features are listed in the ***Safety Briefing*** section later in this program guide. Refer to page 22 of this section or the ***Safety Briefing*** for a listing of SIDNE®’s safety features.

In addition to other safety procedures you deem appropriate, you should consider the following:

- All operators should have a valid driver’s license or learner’s permit so they understand the basic functions of a moving vehicle.
- Operate in a clear, flat area, making sure that there is no danger of SIDNE® running into any obstacles. This includes but is not limited to poles, cars, pedestrians, railings, and buildings.
- All trainers/staff/volunteers are properly trained and briefed on ALL safety procedures.
- Make sure that all participants strictly adhere to safety requirements and follow all directions given by the staff.
- Make sure that the equipment is in proper working order.
- **ONLY USE THE EQUIPMENT FOR ITS INTENDED PURPOSE.** SIDNE® is expressly designed as an educational tool to be used in alcohol and other drugs awareness education. It is not designed for use as a recreational vehicle or for any other form of entertainment.

Resources

The resources you require will be dependent upon your specific program, audience, and the materials you are going to use. Below is a list that will help you remember resources important for your program.

NECESSARY EQUIPMENT

- SIDNE®
- Battery Charger for SIDNE®
- Transmitter (and 4 extra AA batteries)
- Helmets¹ (at least 2; 6 will help make the program go faster)
- Safety glasses (at least 2; 6 will help make the program go faster)
- Posts and tape to mark the Safety Buffer
- Traffic Cones (minimum of 30) – we recommend 6” high cones for laying out your course.
- Tape or chalk to mark the location of the cones and the direction of the course

OPTIONAL

- Traffic Signs (Stop, Yield, and directional arrow)
- Handcuffs
- Survivor tags
- Coroner tags
- Premium items to give away – stickers, pens, and other low cost giveaway items..
- Mannequins to simulate pedestrians



Helmet & Goggles



Transmitter



**Handbrake
(In GO position)**

¹ If you plan to allow children to ride with their parents, be sure to have smaller helmets and safety glasses available for the children.

Educational Materials

Make sure your educational materials are accurate and up-to-date. The educational materials required depend on how you structure your program and your reporting requirements.

- SIDNE® Course Cards²
- Blood Alcohol Concentration Calculator—consider having a large BAC Calculator. Use this tool to illustrate the impact alcohol has on an individual.
- Any Sponsor materials
- Handouts\Board\Posters
- Tests\Surveys

Location

BRIEFING\SURVEY AREA

The briefing area will be used to brief the participants before the demonstration. This area must be large enough to accommodate all participants. Make sure the participants can hear the facilitator. In a noisy setting you might consider having a microphone and speaker available. If you think the surrounding environment may distract the participants, you should take measures to screen the distractions from the participants as much as possible. Have participants stand so they are facing away from the distraction.

SIMULATION COURSE³

Location:

There are two key factors in selecting the location for the simulation course. First and foremost is safety. **The course area should be 100' x 130'**. Measure the location to insure you have the appropriate amount of space. Select a wide-open, flat space clear of obstructions (such as a parking lot cleared of cars, in an area away from light-posts and other hazards). The surface should be hard, flat, and free of barriers. The demonstration area must be large enough to accommodate the demonstration course. Several course designs and guidelines for effective course layouts are provided in the Appendix of this section. There should be a Safety Buffer in every direction from the course.

Indoor locations must meet the same space requirements, **100' x 130'**. Floors must be solid surface, no carpeting, or Astroturf.

² SIDNE® Course Cards are included for your convenience.

³After setup, drive SIDNE® through the course to make sure it is not too difficult to maneuver when operating SIDNE® in “Normal” mode. If it is too difficult, students will point to the setup as the reason they failed, not the impairment.

The second factor is location in relation to other exhibits. If you are participating in an event with multiple exhibits, make sure your course is not obscured by other activities. It should be easy to sight and reach.

A solid object between SIDNE® and the transmitter will interrupt or block the continuous signal that maintains SIDNE®'s power. It is important that the area be free of any barriers.

Safety Buffer:

The Safety Buffer's purpose is to allow enough space for SIDNE® to stop safely. Our example in this guide and in the training video uses a 15-foot buffer. This size may not be adequate for your location or circumstances. You may require more than a 15-foot Safety Buffer given your location and circumstances. Establish your Safety Buffer to provide ample time to react and stop SIDNE® in the event of an emergency. See page 30 and 31 for tips on determining the size of your Safety Buffer.

Participant Viewing:

In addition to the course, the demonstration area will need to accommodate participants who are waiting and supplies. Clearly mark a safe area away from the driving course where participants, observers, and others should be while the course is in use.

Debriefing/Survey Area

The Instructors will use the debriefing area to discuss the outcome of the demonstration with the participants or have them complete a post-simulation survey. This area will usually be the same as the viewing area. This area must be outside the boundaries of the Safety Buffer.

Guest Speakers and Program Monitors

GUEST SPEAKERS

Your choice of guest speakers should be driven by what you think will drive home your educational objectives to your specific audience. Some possibilities⁴:

A **law enforcement officer** with powers of arrest and handcuffs could play the role of a guest speaker, but more importantly, could add some realism to the program through the use of handcuffs.

⁴ For additional suggestions on Guest Speakers, see Planning Your Program, a program planning guide By Innocorp, Ltd.

A **coroner** could play the role of a guest speaker and discuss the ultimate consequence of a crash. The coroner could provide departing “fatalities” with a “coroner’s tag” to wear on their wrist for the remainder of the day.

PROGRAM MONITORS

The number of program monitors you need will depend upon the size and complexity of the course and the size and behavior of your audience. We suggest a minimum of 4 people to serve as program monitors. It is imperative that anyone serving as a Program Monitor drive SIDNE at least once to be familiar with the experience your course participants will have. The experience of driving SIDNE will set Program Monitors expectations of how participants will react to SIDNE.

Training Program Monitors

1. Provide the Program Monitors with this section and the SIDNE® Owner’s Manual section for a complete description of the functions of SIDNE® for their review prior to your program.
2. It is imperative that anyone participating as a program monitor experience a ride in SIDNE prior to helping with a program. They gain an understanding of what the participants will experience and the importance of their role in the program.
3. Hold a practice session for the Program Monitors prior to your program.
4. On the day of the program:
 - a. Answer any questions the Program Monitors have about their functions.
 - b. Remove the WARNING placard from SIDNE®’s steering wheel and have them read it. *Replace the WARNING placard after the program.*
 - c. Have them sign the Instructor Sign-Off Sheet, see the Appendix.

Program Monitors will perform the following functions, pages 24 – 27 cover the Instructor’s Guide with all of the steps for an exercise:

- **Safety Monitor:** This person is responsible for briefing the participants about the driving activity and ensuring they are properly informed of the safety procedures. This person keeps the program running smoothly without delays. Summary of the Staging Coordinator’s responsibilities:
 - Review the Safety Procedures; see the SAFETY BRIEFING Course Card.
 - Perform the PRE-PROGRAM SIDNE® CHECKLIST Course Card.
 - Prepare participants to enter SIDNE®, helmets, and goggles, review safety procedures.
- **Instructor:** This person is responsible for getting participants into the vehicle and reviewing their experiences after the activity: Summary of the Instructor’s responsibilities:
 - Help participants into vehicle.
 - Deliver your prevention message prior to starting the demonstration.
 - Orient participants with the vehicle and the course.
 - Discuss results with the participants. Reinforce your prevention message before participants leave the vehicle.

- **Course Monitor:** This person is responsible for maintaining the course setup. This person may be a volunteer. You might consider having multiple Course Monitors to keep the course running smoothly. Summary of the Course Monitor responsibilities:
 - Reposition cones or signs that are moved during the driving activity.
 - Monitor participants who are waiting.
 - Provide crowd control.

Course Monitor continued...

- Act as a spotter, direct onlookers to stay out of the Safety Buffer.
 - Answer questions.
- **Transmitter Monitor⁵:** This is a critical safety function. The Transmitter Operator must not perform any other functions at the same time. The Transmitter Operator controls the operation of the vehicle and can stop the vehicle in the event of an emergency. This may be a responsibility you rotate every 30 minutes to ensure the Transmitter Operator remains focused on the driving activity and is not lulled into a false sense of security. This person **MUST NOT** carry on conversations with anyone and **MUST BE** focused on the vehicle operation at all times! Summary of the Transmitter Operator's responsibilities:
 - Review the transmitter buttons ahead of time.
 - Practice with the transmitter and SIDNE® prior to the program.
 - Stand in middle of the course and operate the cart. The monitor can follow the monitor path that is drawn on the course in the Appendix for this section. Follow the SIDNE® PROGRAM STEPS on the Course Card.
 - Important to maintain a distance of no more than 75 feet between the Transmitter Monitor and SIDNE®.
 - Must be constantly vigilant during SIDNE® operation.
 - Be alert to any dangerous situations and ready to release the GO button or apply the BRAKE button. Potential dangerous situations include:
 - The vehicle is heading for a crowd, building, and does not appear to be stopping.
 - Someone walks on to the course in front of SIDNE®.
 - The vehicle is heading off the established course.
 - Any other situation the monitor considers a hazard.
 - The Transmitter Monitor must refrain from carrying on conversations with anyone during operation, including cell phone conversations.

⁵ Given the importance of this function and the level of concentration required, consider rotating this person.

Equipment Safety Check

Prior to beginning your demonstration with SIDNE®, be sure you have completed any necessary maintenance tasks as described in the SIDNE® Owner's Manual.

Prior to the start of the program:

- Tires are inflated to the appropriate pressure.
- SIDNE® batteries are fully charged.
- Transmitter has fresh batteries.
- Seat belts are in working order.
- Cart Padding is in tact and in place.
- Test drive completed.

During your SIDNE® event at each driver change:

- SIDNE® is in park that is the GO button is released and the hand brake is pulled back to the stopped position.
- Seat belts are fastened.
- Steering is responding properly, i.e. left/right operation.
- Transmitter is working properly. When the GO button is pressed, you will here a “click.” This is an indication that the power is being sent to the cart.
- If no one is in the passenger seat, fasten the seatbelt.

Instructor's Guide

Notes to the instructor will be in this font and enclosed in a box like this one.

INTRODUCTIONS

Begin your program by introducing the presenters and special guests.

Remember to acknowledge anyone who has been instrumental in putting together, sponsoring, or funding the program.

If the participants do not know one another, and you have sufficient time, consider doing a warm-up exercise. Warm-up exercises will improve the learning and retention of the participants.

EDUCATIONAL OBJECTIVES

Order the educational objectives according to your audience's interest (don't worry it's okay to have your objectives in a different order than how they will be covered—you'll get to the agenda in a moment). Show the list of the educational objectives and briefly define what each one means. Your educational objectives might look like this:

“At the end of this program, you should be able to:

- Describe the effects of impairment on your reflexes and the consequences of those effects on your ability to drive.
- Describe the feeling of being arrested, or seeing someone arrested, for criminal behavior.
- Describe how your driving skills were not good enough to overcome the simulated alcohol-induced impairment.

AGENDA

Reviewing the agenda with the participants is important for all audiences, but particularly for adults. Reviewing the agenda will help the participants relax and feel a part of the program.

- Review/Introduce a few definitions and concepts.
- Describe the Simulation Exercise.
- Discuss/Survey Expected Results.
- Safety Briefing.
- Simulation Exercise.
- Debrief/Discussion.

REVIEW DEFINITIONS AND CONCEPT OF IMPAIRMENT

If this simulation exercise is immediately after The Facts Program you should quickly review the most important concepts relating to impairment.

When any of us drink alcohol or take other drugs, our performance is impaired.

Impaired means to be made worse in a physical way. Our performance is made worse in a way that may endanger our lives in certain situations.

It is important to understand how alcohol and other drugs diminish our ability to function normally.

What types of impairment can a person experience as a consequence of alcohol or other drug consumption?

Types of Impairment:

- Judgment
- Vision
- Reaction time
- Memory
- Speech
- Attention/focus
- Coordination
- Tracking and steering
- Eye movement control
- Standing steadiness
- Emergency response
- Information processing
- Speed control

Other causes of distraction/impairment while driving:

- Talking to passengers in the vehicle.
- Talking on the cell phone.
- Eating while driving.
- Lack of driving experience.
- Changing radio stations, selecting CD's and tracks to play.

If this simulation exercise is being done in isolation, you should provide a briefing that includes the above topics. See The Facts program guide for details.

DESCRIBE SIMULATION EXERCISE

Describe the simulation exercise to the participants. This should be done in clear view of the course—if not, have a picture or diagram of the course for reference. Points to cover are:

1. Primary purpose—experience the difference between operating a vehicle when your reflexes and judgment are impaired and operating a vehicle when not they are not impaired.
2. Selection and order of participants:
3. The vehicle:
 - a. Is battery operated.
 - b. Will not exceed 8mph.
 - c. Has both a brake and an accelerator pedal.
 - d. Steering is sensitive like a car and requires only small movements.
 - e. The Transmitter Monitor controls only whether or not SIDNE® has the power to go, whether it's in low, 4 mph, or high (8 mph.) speed, and putting SIDNE® in Impaired Mode.
 - f. The driver is totally in control of the steering, braking, and acceleration.
4. The course layout is:

You can either describe the course layout or show them a diagram.

5. In Normal Mode, SIDNE® will be immediately responsive to the driver's actions. This simulates a driver with normal reflexes and judgment.
6. In Impaired Mode, SIDNE® will be less responsive to the driver's actions. This simulates a driver with impaired reflexes and judgment.
7. The driver will be told what to do by the Instructor. You will be instructed when you can start again from a Stop, which direction to turn at a fork in the road. You may or may not be told to park the vehicle. We will not have everyone do exactly the same operations.

8. You may encounter situations that occasionally happen to drivers. If objects enter the track in front of you, you must take emergency procedures to prevent from hitting them.
9. The driver's success in navigating the course is determined by how few cones he/she hits and how well they negotiate traffic signs and surprises.

DISCUSS (OR SURVEY) EXPECTED RESULTS

NOTE: The purpose of this section is to get the participants to think about, and estimate the control they have over their reflexes and judgment when they are impaired.

Ask the participants the following questions and record their answers. The learning experience will be much richer if you can record their answers where everyone can see them during the demonstration.

- How many of you think you can navigate the course without hitting any cones? Keep in mind that at some point you will be driving while impaired.
- Given SIDNE®'s speed, how bad do you think a head on crash with another car would be? On a scale of 1 to 5, with 1 being very little damage and 5 being a very bad crash. (Record votes for 1, 2, 3, 4 and 5.)
- If you tripled SIDNE®'s speed, how bad do you think a head on crash with another car would be? On a scale of 1 to 5, with 1 being very little damage and 5 being a very bad crash. (Record votes for 1, 2, 3, 4 and 5.)

SAFETY BRIEFING

As you begin the safety briefing you should keep in mind that your tone matters. The purpose of the safety briefing is three-fold.

- You want to make sure that everyone understands the safety guidelines and adheres to them.
- You want to ensure them that if everyone follows your instructions, the demonstration is very safe.
- You want to set the tone that what they are about to do is serious business. If they think this is a game, your ability to achieve your educational objectives will be seriously diminished and someone could be seriously hurt or killed.

Brief the participants:

Every participant must:

- **Enter** the course and enter SIDNE® only when instructed.
- Keep long hair pulled up and back and away from the wheels.
- Wear an approved **helmet** with straps adjusted and buckled at all times.
- Wear either **safety goggles** or **personal glasses** at all times.
- Make sure you do not have any loose clothing or jewelry that could be hazardous.
- Wear **seat belt** at all times.
- Keep arms and legs in the vehicle at all times.
- Cart review: RED BUTTON, HANDBRAKE, and TRANSMITTER.
- **Stay** in the vehicle until instructed to get out.
- Stay in the **designated waiting area** while waiting their turn.
- **Not step** within the safety perimeter.
- **Follow** all instructions.

SAFETY FEATURES



Roll bar & Headrest—provided for driver and passenger stability.

Extra-Wide and Low Center of Gravity—SIDNE® is 48” wide and sits only 8” off the ground (making rollovers on level ground highly unlikely).

Skid Plate – an extra layer of protection on SIDNE’s underside to protect the steering mechanisms.



ELR Seat belts—two three-point seat belts provide a seat belt for the driver and a passenger. SIDNE®’s maximum load limit is 350 lbs.



Handbrake—provided in the event of an emergency. Pulled back it brings the vehicle to a stop.



Transmitter—SIDNE® can only be driven when the transmitter broadcasts a signal. The GO button delivers power to the vehicle and must be held down for SIDNE® to operate⁶.

Red Power Button – SIDNE® can be stopped by pressing the button down.



Recommended Items⁷:

- **Safety Goggles**—eye protection is recommended to prevent debris from hitting passenger and driver in the eye.
- **Helmet**—recommended to protect passenger and driver from head injuries.

⁶ See the Quick Start Guide and the Owners Manual for a detailed description of the transmitter.

⁷ These items can be purchased from Innocorp, Ltd., www.fatalvision.com, 1.800.272.5023

SIMULATION EXERCISE

Step 1: Pre-Simulation Check- Instructor

Record Names.

Check that Driver and Passenger requirements are met (permit, license, release form).

Step 2: Final Preparation – Safety Monitor

Stage this step so the next participants have completed the activity before they enter SIDNE®.

Review safety procedures with participants, page 22.

Have participants identify emergency procedures.

Have participants put on safety goggles (unless they are wearing glasses), helmet, and secure helmet strap.

Step 3: **Entering SIDNE® - Instructor**

Fasten Seat belts. If there is not a passenger, fasten the empty seatbelt.

Check for loose clothing, all clothing should be in the vehicle and not hanging down.

Describe vehicle operation – handbrake, point out Brake and Accelerator pedals. Steering is sensitive; it doesn't require large movements, small movement just like driving a car is sufficient.

Describe what to expect – follow the arrows on the course, gain confidence, impaired mode.

Deliver your prevention message.

When the Transmitter Monitor is ready, lift the Red Power button and pull the handbrake forward. Do not step on pedals or steering wheel during start up.

Step 4: **Simulation Effects Off – Transmitter Monitor**

Tell driver that he/she will begin in Normal mode.

Press and hold GO to activate the transmitter. Tell the driver to begin.

Vary speed with transmitter if desired.

Step 5: **Simulation Effects On – Transmitter Monitor**

Activate Impairment-mode.

Vary speed with transmitter if desired.

When the driver experiences wide turns and slow braking, emphasize that she/he is experiencing impairment.

Step 6: Getting Out of SIDNE® - Instructor

Have driver park SIDNE®.

After SIDNE® is at complete stop have driver pull back the handbrake.

Discuss the results of the drive.

Reinforce your prevention message.

Have driver & passenger:

- Remove seat belt & leave vehicle.

- Remove helmet and safety glasses.

- Move to designated area for de-briefing.

AS THEY LEAVE THE TRACK

You can lead the following activities as participants leave the track or talk to the entire group of participants at one time if possible.

Driver: If law enforcement is present, ask the officer to administer the test and arrest all participants. Use handcuffs to add to the reality of the experience. Role-play as indicated by the printout scenario.

Survivors: Give each surviving participant a sticker to place on his or her shirt pocket area. This will identify students who have participated, as well as provide a “message billboard” when they return to class or the community setting. Use preprinted agency stickers with message/slogan, or create your own using address labels computer program.

Fatalities: Provide departing fatalities with a coroner’s tag to wear on their wrist for the remainder of the day.

Compare the actual results with the expected results from your Survey. If the actual results are worse than expected, drive home the point. Ask whether the same may be true in real life.

Participant Record

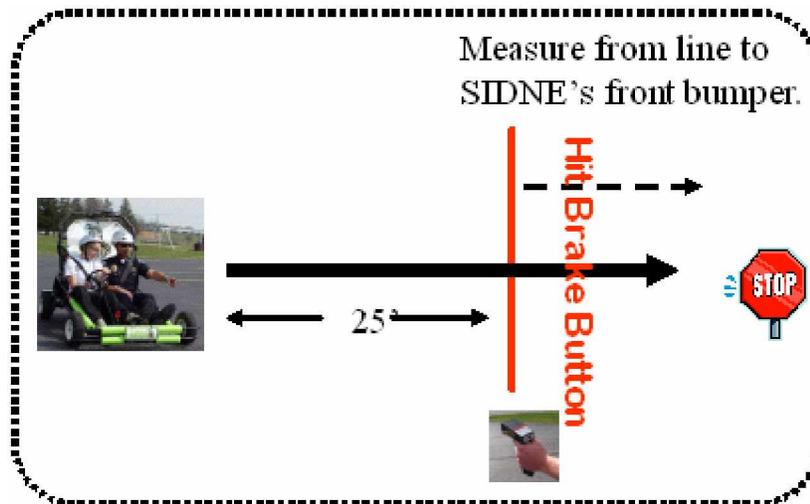
Trip	Driver	Passenger	Cones
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

Course Selection

Sample Courses Specifications	Size	#Cones
Sample #1	100' x 130'	30-40
Sample #2	100' x 130'	30-40
Sample #3	105' x 130'	30-40
Sample #4	100' x 130'	30-40
Alternate Course for Small Venues	70' x 100'	25-30

Tips to keep in mind when selecting and setting up your course:

1. SIDNE® events can be held indoors or outdoors provided there is sufficient space for your course including the Safety Buffer.
2. Select your course lay out. The simpler the course, the better. This prevents participants from claiming they can't drive the course sober.
3. Set your course up in a clockwise fashion. Start with 20-22' between each of your pivot cones.
4. Once the course is setup, drive it yourself.
5. Adjust the placement of all cones so that you can easily travel the course in Normal Mode.
6. Repeat Steps 4 & 5 until you are satisfied that the layout works.
7. Clearly rope off or tape a Safety Buffer all around your course. Some of our customers are finding buffers zones to be a minimum of 20'. Establish the acceptable Safety Buffer for your course, by the following method:
 - Draw a line about 8' wide on the ground, approximately 25' in front of SIDNE®.
 - Have each of the Transmitter Monitors stand parallel to the line.
 - Have someone in the SIDNE® crew drive SIDNE® at High speed in Normal toward the line.
 - When the Transmitter Monitor sees SIDNE®'s bumper break the line, press the BRAKE button.
 - Measure the distance from the line to SIDNE®'s front bumper.
 - That is the distance it takes that monitor to stop SIDNE® when they are expecting it. Add on a reasonable amount of distance to allow the Transmitter Monitor time to react.
 - This is your Safety Buffer.



8. Mark the corner of each cone on the course. Tape or chalk work well for marking. This will aid the Course Monitor so course cones are replaced in their proper location after being hit.
9. Draw arrows on the course to show the participants where they need to drive to move through the course.
10. Mark the inside boundary of your Safety Buffer either with chalk, cones, or tape.
11. Instruct the Transmitter Monitor to press the BRAKE button if SIDNE®'s bumper breaks the inside Safety Buffer perimeter.

Equipment recommendation:

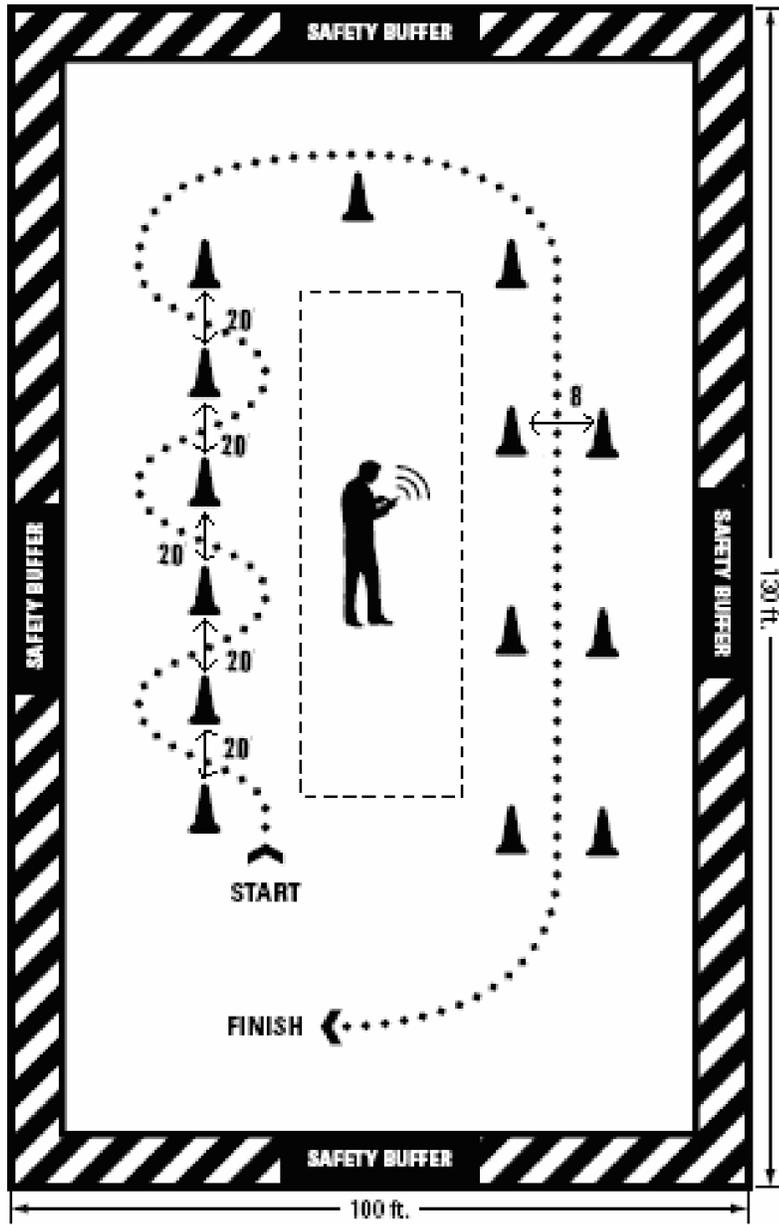
1. It's best to use 6" cones for marking your course. If these are knocked over by SIDNE®, they will not stop the driving demonstration.
2. Use a different color cone for marking the pivot cones. The different color helps participants easily identify where to turn.
3. Railroad chalk is good for marking cone locations and drawing directions right on your course.

Hints:

- Outdoor course:
 - Pick up all debris BEFORE laying out your course.
 - Inquire at your local public works department to see if they can clean your course are with their street cleaning equipment.
- Indoor course:
 - Clean off SIDNE's tires with a wire brush to remove all debris prior to your program.

Sample Course #1

SAMPLE COURSE #1

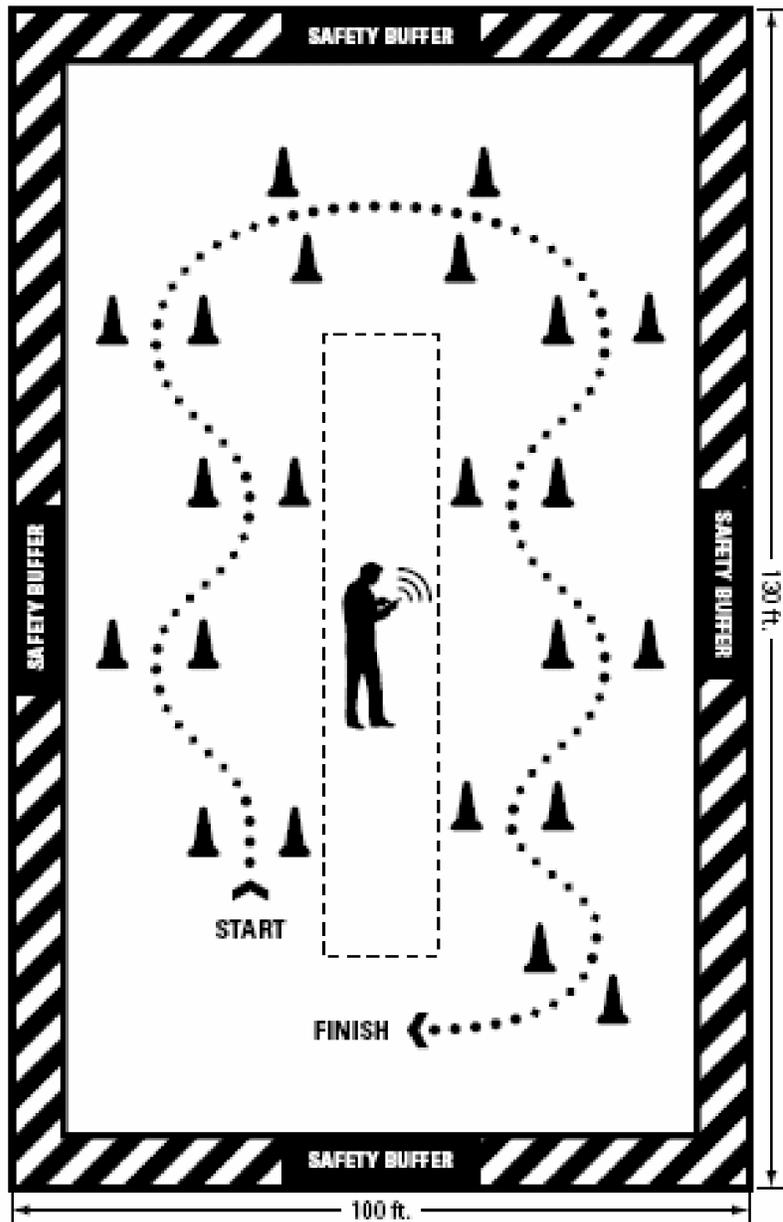


- Course
- Monitor Zone

⚠ WARNING
The area of operation and the appropriate safety buffer must be paved, flat, and free from all obstructions.

Sample Course #2

SAMPLE COURSE #2

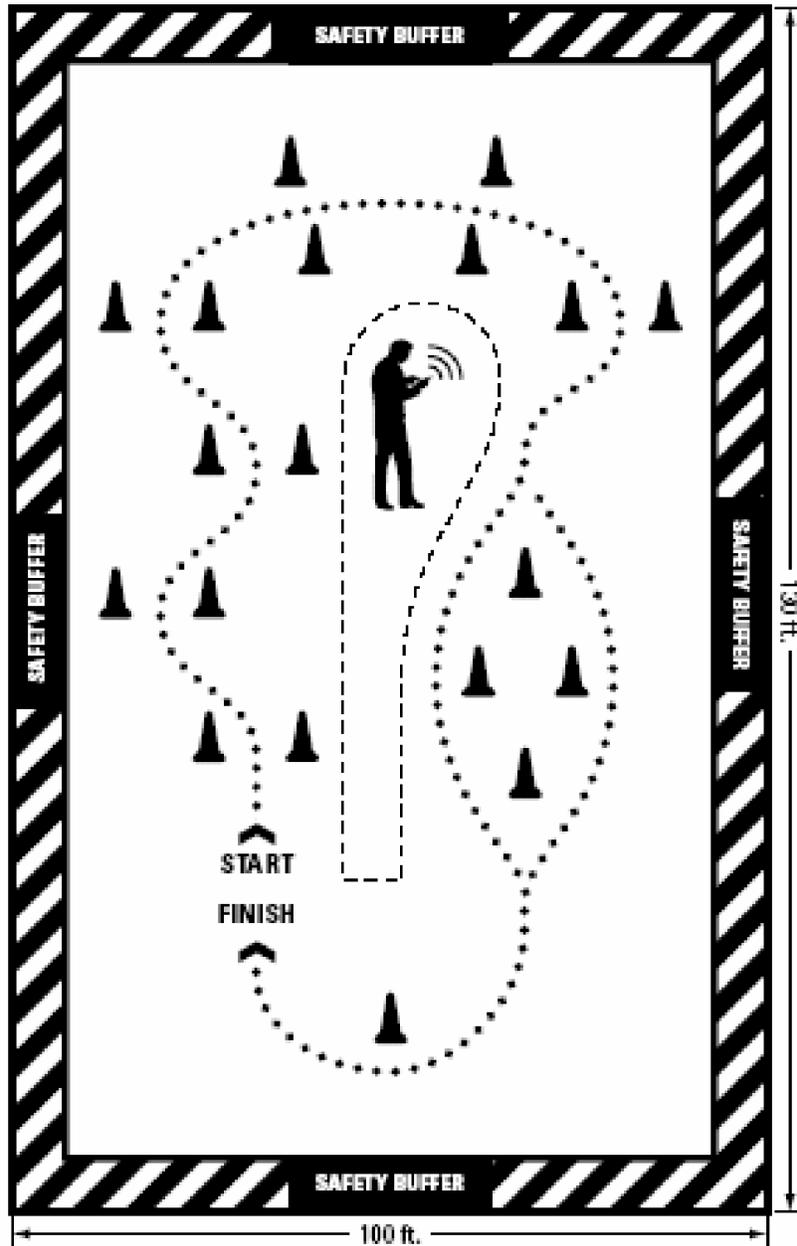


-  Course
-  Monitor Zone

⚠ WARNING
The area of operation and the appropriate safety buffer must be paved, flat, and free from all obstructions.

Sample Course #3

SAMPLE COURSE #3

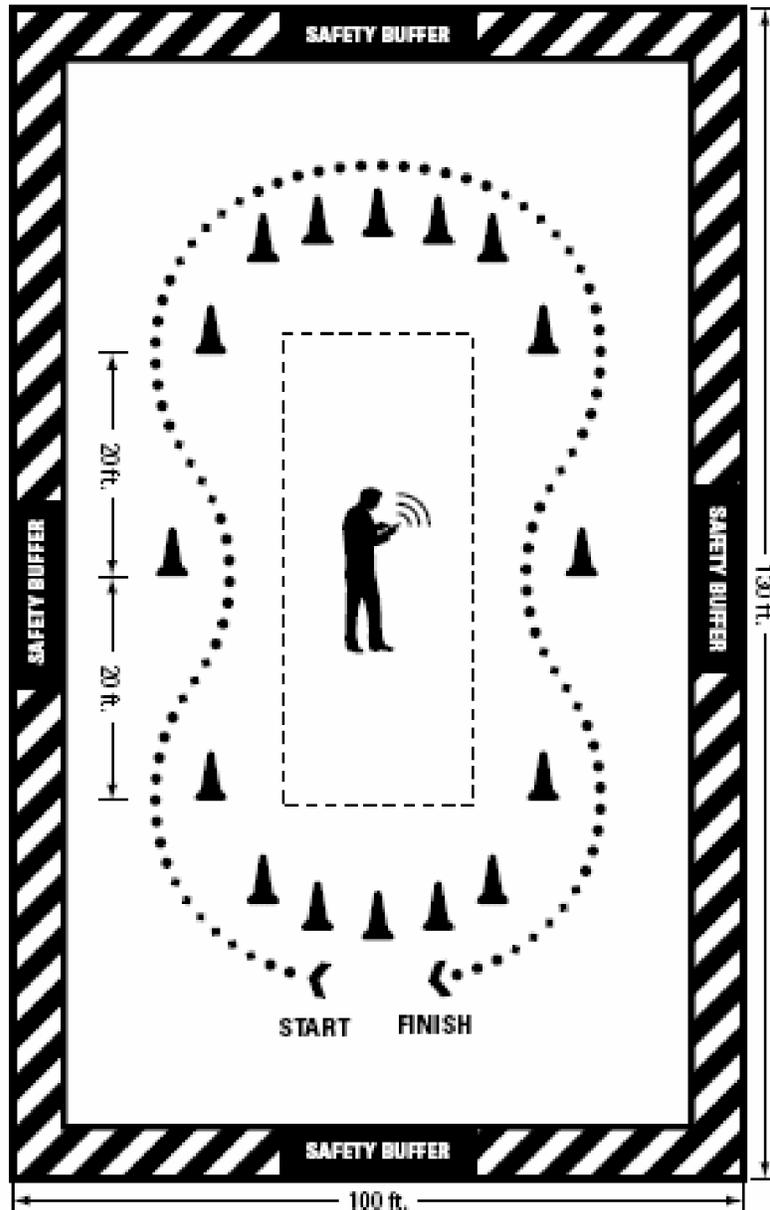


-  Course
-  Monitor Zone

⚠ WARNING
The area of operation and the appropriate safety buffer must be paved, flat, and free from all obstructions.

Sample Course #4

SAMPLE COURSE #4

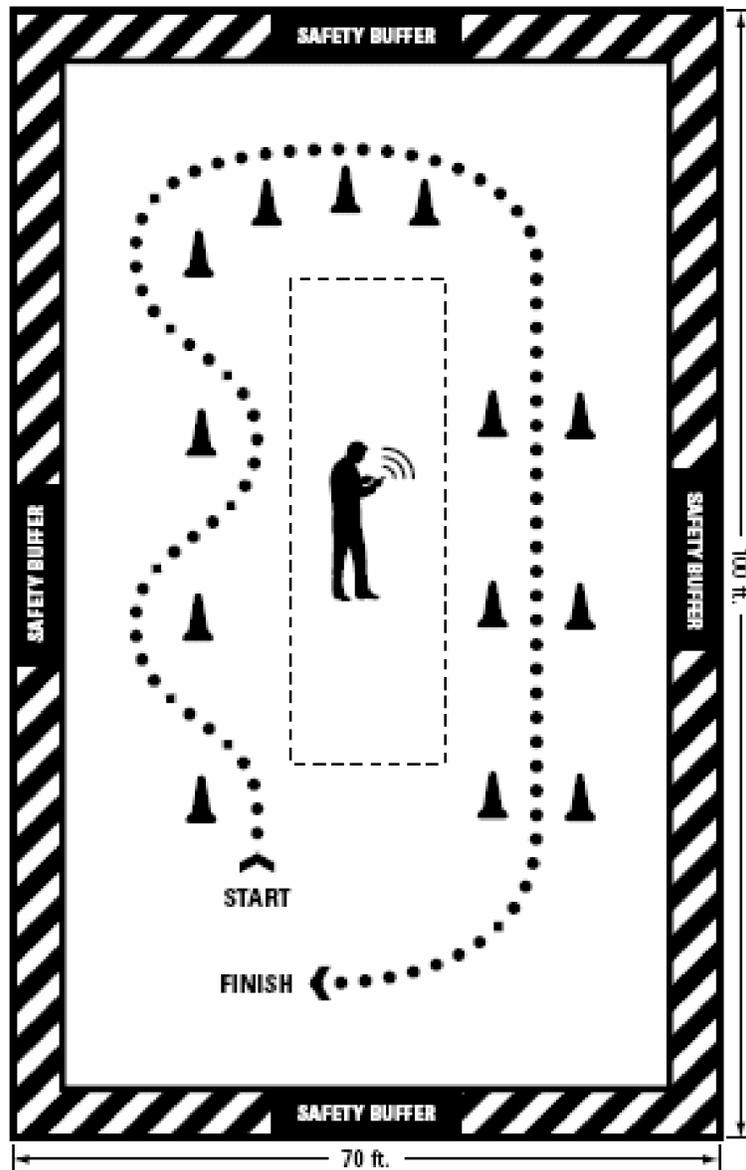


-  Course
-  Monitor Zone

⚠ WARNING
The area of operation and the appropriate safety buffer must be paved, flat, and free from all obstructions.

Alternate Course for Small Venues

ALTERNATE COURSE FOR SMALL VENUES



- Course
- Monitor Zone

⚠ WARNING
The area of operation and the appropriate safety buffer must be paved, flat, and free from all obstructions.

Warning Placard

This placard is clipped to SIDNE®'s steering wheel. Remove it during operation. Program Monitors and Instructors **MUST** read it prior to running a SIDNE® simulation program. When the program is over, replace the placard on the steering wheel.



WARNING

It is essential to your safety and the safety of SIDNE™ users and bystanders that the following precautions be strictly complied with. **FAILURE TO FOLLOW THESE PRECAUTIONS CAN LEAD TO SERIOUS INJURY OR DEATH.**

1. Make sure you read, understand, and follow the instructions in the accompanying Owner's Manual in their entirety. If you have any questions about the safe operation of SIDNE, please call 1-800-272-5023 before operating this vehicle.
2. Keep all arms, legs, and other body parts within the vehicle at all times while the vehicle is in motion.
3. Operators must use the seat belts that are provided, as well as an appropriate helmet and safety glasses or goggles.
4. **MAKE SURE THAT THE AREA OF OPERATION AND THE APPROPRIATE SAFETY BUFFER ARE FLAT AND FREE FROM ALL OBSTRUCTIONS!** These areas must be large enough to assure safe operation of SIDNE. For more details regarding the requirements for the area of operation and the Safety Buffer, please refer to the "Location" section of the SIDNE Overview Manual.
5. SIDNE is designed to simulate the driving experience where the operator is impaired. It is therefore essential that an unimpaired, trained monitor observe the operation of SIDNE from outside the vehicle and be prepared at all times to activate the brake button that is located on the transmitter. For further instructions on the operation of the remote control device, please refer to the "Remote Operation" section of the Owner's Manual.
6. Keep all bystanders or other persons out of the area of operation and the Safety Buffer at all times while SIDNE is in operation. **IT IS IMPORTANT TO HAVE AT LEAST ONE PERSON, OTHER THAN THE MONITOR/REMOTE CONTROL OPERATOR,** make sure that nothing enters the area of operation or the Safety Buffer while SIDNE is in operation.
7. Test all safety equipment including the brakes, remote control, and seat belts before operating SIDNE. See the "Preparing for a SIDNE Simulation" section in the Owner's Manual.
8. Do not alter the equipment or any of its settings or controls without the written approval of the manufacturer.