

Participant Consent Form: Test Track Secondary Task Performance

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 21xx-xxx. The information collected in this study will be used to create a database of vehicle occupant body size, shape, and posture. The data will be used to improve vehicle safety. Public reporting for this collection of information is estimated to be approximately **50 minutes**, including the drive time, the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are voluntary; all responses will be de-identified and confidential, per 45 CFR part 46. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, National Highway Traffic Safety Administration, 1200 New Jersey Ave, S.E., Room W45-205, Washington, DC, 20590.

You are invited to take part in a study about how drivers interact with different vehicle interface systems (built-in vehicle systems, Apple CarPlay, and Android Auto). This study is sponsored by the National Highway Traffic Safety Administration. Please read this consent form carefully. If you agree to participate, please sign your name at the end of this form. You will receive a copy for your records.

What will you do? In this study, you will drive our research vehicle on a designated 0.84-mile test track near Salt Lake City while performing common tasks using different vehicle interfaces. The entire session will last approximately 3.5-4 hours. Before beginning, a researcher will show you the vehicle features and guide you through a familiarization drive of the route. You will then complete tasks using three different interface systems while driving. Throughout the drive, you will wear eye-tracking glasses and respond to simple stimuli. You will also answer questions about your experience. You will receive \$120 after completing the study.

Participation. Participating in this research study is entirely voluntary. You may agree or refuse to take part. If you agree to participate, you may stop at any time during the study. To participate in this study, you must meet the following criteria (1) be at least 21 years old, (2) regularly use Android Auto or Apple CarPlay, (3) not regularly drive one of the study vehicles, (4) possess a valid driver's license, (5) drive at least 3000 miles annually, (6) have normal or corrected-to-normal vision, (7) have normal or corrected-to-normal hearing, (8) be fluid in written and spoken English, (9) be of general good health, (10) ability to abstain from alcohol and recreational substance use (e.g., marijuana) for 12 hours before the session, (11) do not take sedative or psychotropic medication, (12) have had no more than 2 at-fault accidents in the last 2 years, (13) do not wear corrective lenses while driving (contacts are allowed), (14) require no specialized driving equipment, (15) have no medical conditions that might impact driving (i.e., heart condition, back or neck pain, recent back or neck pain treatment, disorders, disability or seizures), (16) abstain from wearing false eyelashes or mascara. If you do not meet these criteria, please inform the researcher immediately.

Confidentiality. All information collected during the study is confidential and will not be presented in any form that identifies individuals. All directly identifying information will be separated from the collected data. Your records will be given a number, and all information will be linked to that number, not your name. Data collected will include audio and video recordings, eye movements, vehicle data, and your responses to questions.

Connected Vehicle Notice. The vehicle you will drive for this study collects data while in use through connected services and transmits the data to the vehicle manufacturer. The data may include driving behavior, audio and video of you using the vehicle, or data collected through the use of the vehicle's applications platform, e.g., information system, and when personal devices such as a smartphone are connected to the vehicle's applications platform. The vehicle manufacturer may use the data for its own research, commercial or operational purposes without any further notice. It may also share the data it collects with third parties without further notice.

In general, each vehicle manufacturer may collect geolocation information such as location and speed of the vehicle. It may also collect driver behavior information such as vehicle speed, seat belt usage and information about braking habits. The manufacturer may collect audio and video information through its connected services or through internal or external vehicle sensors. If you use the vehicle information system or connect a personal device such as a smartphone to the vehicle information system, the vehicle manufacturer may collect data from your use of the system or from third party applications that are connected to the vehicle.

The vehicle manufacturer may use the data it collects for a number of purposes. These include but are not limited to the following:

- To deliver the manufacturer's products and services where the information is reasonably necessary to perform the products or services.
- As reasonably necessary to protect the safety, property, or rights of consumers, the public and the manufacturer.
- For operations, compliance, or warranty purposes.
- For internal research or product development.
- To prevent, detect, protect against, or respond to security incidents, identity theft, harassment, malicious or deceptive activities, or any illegal activity.
- Comply with legal, regulatory, or contractual requirements.
- Protect the manufacturer's rights, such as investigating, establishing, exercising, preparing for, or defending legal claims.

Each vehicle manufacturer has a privacy policy that provides notice and specific information about the data the manufacturer collects during use and through connected services and applications. The study investigator has provided you with a copy of the specific vehicle manufacturer's privacy policy via a link in previous communications. If you would like to review this document now, you can request a researcher to provide a digital copy. Before you consent to participate in this study, you should review and understand the vehicle manufacturer's privacy policy. If you do not agree with the vehicle manufacturer's privacy policy, you should decline to participate in this study. If you have any questions concerning the vehicle privacy policy, you may ask the study investigator.

Risks. While driving always carries inherent risks, this study takes place on a closed-course track with a trained researcher present at all times and only one vehicle operating at a time. You must maintain full control of the vehicle and may discontinue tasks at any time.

Benefits. There are no direct benefits to you for taking part in this study.

Questions. If you have any questions about this study please contact: Joel Cooper, Ph.D. at 801-520-5408.

If you have questions about your rights and welfare as a research participant, please call the Westat Human Subjects Protections office at 1-888-920-7631. Please leave a message with your first name, the name of the

research study that you are calling about (Test Track Secondary Task Performance Study), and a phone number beginning with the area code. Someone will return your call as soon as possible.

Authorization. By signing this form, you certify that you have read this form and agree to take part in the study. You also acknowledge that video and audio recordings will be collected for research purposes.

I _____ (your name) have learned about the Vehicle Interface Study. I have read this form, I understand it, and my questions have been answered. I agree to participate in the study.

Participant Signature

Date

Researcher Signature

Date