

Attachment 2: Driver Assessment Tests

Table 1. Driver Assessment Test Plan Summary: Perceptual Dimension

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
High Light Contrast Sensitivity	<ul style="list-style-type: none"> Optec 5000/5500 (Appendix C) 	In-Person	5		Need
Low Light Contrast Sensitivity			5		Need
Near Static Acuity			5		Want
Far Static Acuity			5		Need
Depth Perception / Stereopsis			5	Include if Optec provides and sufficient time	Low-Priority Want

Table 2. Driver Assessment Test Plan Summary: Perceptual / Cognitive Dimension

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
Spatial relationships	Motor Free Visual Perception Test (MVPT) Visual closure subtest (Appendix D)	In-Person	3	Included in DrivingHealth Inventory	Need
<ul style="list-style-type: none"> Central Vision and Processing Speed Divided / Selective Attention 	Useful Field of View (UFOV®) – 2 nd part only (Appendix E)	In-person	5	Included in DrivingHealth Inventory	Need
Divided Attention	Trail Making Test (A & B) (Appendix F)	In-person	6	Included in DrivingHealth Inventory	Need

Table 3. Driver Assessment Test Plan Summary: Cognitive Dimension

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
Executive Function / Working Memory	Connors' Continuous Performance Test II (CPT II) Ver. 5.1	In-person	15		Need
Dementia	Clock Test: <ul style="list-style-type: none"> - Draw a clock - Put in all the numbers - Set the hands at ten past eleven 	In-person	2	Administered only to those who indicate a problem with dementia or recurrent memory lapses	Need

Table 4. Driver Assessment Test Plan Summary: Psychomotor Dimension

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
Reaction Time		In-person	No additional	Included in Conner's test	Need

Table 5. Driver Assessment Test Plan Summary: Physical Dimension

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
Lower limb strength / mobility	Rapid Pace Walk	In-person	1		Need
Upper Body Strength (i.e., approximated by grip strength)	Jamar Hand Dynamometer (Appendix G)	In-person	2		Want

Table 6. Driver Assessment Test Plan Summary: Psychological Characteristics

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Comments	Need / Want
Risk-Taking Behavior	Cox Assessment of Risk Driving Scale (CARDS, Appendix H)	Offline	2		Need
Risk Perception	CARDS items combined with DeJoy Risk Perception Questionnaire (Appendix H)	Offline	2		Need
ADHD	Barkley's Adult ADHD Quick Screen (Appendix I)	In-person	2		Need
Driver Style / Behavior	Manchester Driver Behavior Questionnaire (DBQ) (Appendix J)	Offline	5		Need
Thrill / Adventure Seeking	Sensation Seeking Scale (SSS) (Appendix K)	Offline	5		Want

Table 7. Driver Assessment Test Plan Summary: Health

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Cost per Site	Comments	Need / Want
Sleep Hygiene, Sleepiness, and Morningness/ Eveningness (M/E)	- Sleep Hygiene - Epworth - M/E (Appendices L-N)	Offline	10	\$0		Want
Potentially Driver Impairing Medical Conditions and Medications	Custom comprehensive questionnaire based on AMA and NHTSA (Appendices A & B)	Offline	20	\$0		Need

Table 8. Driver Assessment Test Plan Summary: Driving Knowledge / History

Measurement Construct	Description	In-Person / Offline	Est. Time (minutes)	Cost per Site	Comments	Need / Want
Driving Knowledge	Custom questionnaire based on state licensing tests (Appendix O)	In-person	10	\$0		Need
Driving History	State DMV records	Offline	0	\$0		Need