## NECA High School Competition

## Inspection Check Sheet 2023

| School    | Name:_  |      | Race Date:/ |         |                        |           |       | _/  |       |
|-----------|---|------|-------------|---------|------------------------|-----------|-------|-----|-------|
|           | Stock   | Open |             | If Stoo | ck, price list receive | ed? Yes   | No    |     |       |
| Car Nu    | mber:   |      |             |         |                        |           |       |     |       |
| Drivers   | Names   |      |             |         |                        |           |       |     |       |
|           |   |      |             |         | (Driver/               | 'Car Stru | cture | and | Specs |
| Driver    |   |      |             |         |                        |           |       |     |       |
| 0         | 2. 00. 2. ( . 01 0  |      |             |         |                        |           |       |     |       |
| 0         | Driver's License Number:  |      |             |         |                        |           |       |     |       |
| Vehicle   | <u>.</u>  |      |             |         |                        |           |       |     |       |
| 000000000 | 3 or 4 Wheels Turning circle less than 15.5 meters Axles and spindles 1/2' (12mm) diameter or greater if unsupported at both ends Body Shell No Sharp/Exposed Edges (doesn't say exposed, but seems common sense Rule 2, Sec. 2, Art. 2) Vehicle Numbers are 15 cm tall (6") on both sides of the car. Minimum track width of 90 cm. Maximum vehicle width of 1.5 m Maximum vehicle length of 4.0 m Minimum ground clearance of 1.5" Vehicle weighs minimum 100 lbs. without driver, ballast, radio, or batteries. Tires: Minimum 30 cm diameter, Maximum 70 cm diameter. Must be inflatable. Inflation pressure not to exceed recommended by more than 10% cold with no DOT label. With DOT label, not by more than 15%. |      |             |         |                        |           |       |     |       |
| 0 0 0 0   | Safety wire or cotter pins used on wheel nuts. – Axle ends must be tapped.  Two wheels must be braked.  Inspect crucial fasteners/fittings for security.  Inspect overall structural integrity and stability of car.  Brake Test: Fail Pass   |      |             |         |                        |           |       |     |       |

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|--|---|--|--|--|--|--|
| Inspector #2:  | (Electrical Equipment/Inside Car)   |  |  |  |  |  |
| <ul> <li>Two isolation switches or one switch with two actua</li> <li>The switches or actuators (internal and exte turn them to the OFF position.</li> </ul> |   |  |  |  |  |  |
| Wiring system well insulated   |   |  |  |  |  |  |
| Fuse or circuit breaker between battery and motor.   |   |  |  |  |  |  |
| Wiring must be securely attached to the body or frain  | me.   |  |  |  |  |  |
| <ul> <li>It doesn't specify to negative terminal.</li> </ul>   |   |  |  |  |  |  |
| Electrical connections taped or covered.   |   |  |  |  |  |  |
| Batteries securely mounted, boxes mounted to fram  | e.  |  |  |  |  |  |
| Battery Type: (at ambient temperature)   |   |  |  |  |  |  |
| ☐ Werker WKA12-55P/FR  |   |  |  |  |  |  |
| ☐ Werker WKDC12-55C/FR-FA (or Duracell DU  | RDC12-55/FR-5 12 volt 55 Ah AGM)  |  |  |  |  |  |
| Optima 35 (Red Top)  |   |  |  |  |  |  |
| Optima D35 (Yellow Top)  |   |  |  |  |  |  |
| Optima SC25A   |   |  |  |  |  |  |
| ☐ Last years batteries are legal for one more year as lo   | ng as they are not heated.  |  |  |  |  |  |
|  | 5 point harness, 3" straps, 2" crotch strap   |  |  |  |  |  |
| ·  | Roll Bar: must be capable of lifting by belts alone.  |  |  |  |  |  |
|  | Roll bar braced forward or rearward to the frame.   |  |  |  |  |  |
|  | All gears, chains, drive belts, sprockets are protected with guards.  |  |  |  |  |  |
|  | Driver's mirrors on both sides and provide a clear view rearward.   |  |  |  |  |  |
| ·  | Driver has good visibility and field vision.  Driver seat attaches to sub-structure connecting to the roll cage or frame. |  |  |  |  |  |
| ☐ All gears/belts are guarded.   | the roll cage of frame.   |  |  |  |  |  |
| All gears/beits are guarded.   |   |  |  |  |  |  |
| Inspector Comments:  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |