

Team Update 07

GENERAL

Autodesk Inventor Files

A zip folder containing the .STEP and converted Autodesk Inventor file formats for the playing field is available from [the Playing Field page](#).

Remote Judging & Single-Day Event Plans

The [list of events that have opted for remote interviews](#) has been updated to include the [Ventura County Regional](#) and the [Aerospace Valley Regional](#).

The [2022 Remote Judging Plan](#) and the [Single-Day Event Plan](#) have been updated to note that

- teams may submit their summary business plan to be eligible for the Entrepreneurship Award and
- teams remain eligible for awards even if they are unable attend their remotely judged event due to COVID restrictions or precautions.

SECTION 9.6 POWER DISTRIBUTION

R620 *Only use specified fuses in PDP/PDH. The only fuses permitted for use in the PDP/PDH are mini automotive blade fuses (ATM style) with the following values:

- for the PDP, values matching the value printed on the device's corresponding fuse holder and
- for the PDH, 15A or lower with the exception of a single 20A fuse for powering a PCM or PH.

R621 *Protect circuits with appropriate circuit breakers. Each branch circuit must be protected by 1 and only 1 circuit breaker or fuse on the PDP/PDH per Table 9-3. No other electrical load can be connected to the breaker or fuse supplying this circuit.

Table 9-3 Branch circuit protection requirements

| Branch Circuit | Circuit Breaker Value | Quantity Allowed Per Breaker |
|--|-----------------------|------------------------------|
| PCM/PCH – with compressor | Up to 20A | 1 |
| Additional VRM (non-radio)/Additional PCM/PCH (non-compressor) | Up to 20A | 3 total |

R622 *Use appropriately sized wire. All circuits shall be wired with appropriately sized insulated copper wire (SIGNAL LEVEL cables don't have to be copper):

Table 9-4 Breaker and wire sizing

| Application | Minimum Wire Size |
|-----------------------------------|--------------------------------|
| 6 – 20A breaker protected circuit | 18 AWG |
| 11-15 20A fuse protected circuit | (19 SWG or 1 mm ²) |

SECTION 11.6.3 QUALIFICATION RANKING

Table 11-2 Qualification MATCH ranking criteria

| Order Sort | Criteria |
|-----------------|--|
| 1 st | Ranking Score |
| 2 nd | Average ALLIANCE MATCH points, not including FOULS |
| 3 rd | Average ALLIANCE HANGAR points |
| 4 th | Average ALLIANCE TAXI + AUTO CARGO points |
| 5 th | Random sorting by the FMS |