2026 ??????????

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- □□□□□□□□□□□□□□□□□□□ (DR) □□□□□ (CR)

????FSAE ???????????

1.1 ????????????????

[illegible] Formula SAE (FSAE) [illegible] SAE International [illegible]

??????????

1. [illegible] **(Engineering Excellence)**: [illegible]
2. [illegible] **(Business Acumen)**: [illegible]
3. [illegible] **(Safety-First Culture)**: [illegible]

1.2 ??????????????

[illegible]

- [illegible] **(Chassis & Suspension)**: [illegible] Lotus [illegible] ADAMS [illegible] FEA [illegible]
- [illegible] **(Powertrain)**: [illegible]
- [illegible] **(Electronics & Data)**: [illegible]
- [illegible] **(Aerodynamics)**: [illegible] CFD [illegible]

1.3 ??????????

- [illegible] :
  [illegible] Git
  [illegible]
- [illegible] :
  [illegible]

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- FSAE Official Website - [illegible]
- SAE International Student Competitions - [illegible] FSAE [illegible]
- Formula Student Germany - Academy - [illegible]

????2026 ??????????????????

2.1 SES??????????

[illegible] SES (Structural Equivalency Spreadsheet) [illegible]

?????? (F.3.2)

- **[illegible] (Main Hoop) [illegible] [illegible] (Front Hoop)** [illegible] 1.0" x 0.095" (25.4mm x 2.4mm) [illegible] 1018/1020/4130 [illegible] *(Fact-checked: FSAE 2024 F.3.4.1)*
- **[illegible]**: [illegible]

2.2 2026 ???????????

- **[illegible] (F.11.3.3)**: [illegible]
- **[illegible]**: [illegible]

2.3 ????????????????

- **5 [illegible]**: [illegible]
- **[illegible] (F.10.4.3)**: [illegible] 0° [illegible] 20° [illegible]

2.4 ????????????

- □□
  □□ UL94 V-0 □□□□□□□□□□

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- 2026 FSAE Rules v1.0 (PDF) - □□ □□□□□□□□□□
- Design Judges - Structural Basics - □□□□□□□□□□□□□
- FSAE Structural Equivalency Spreadsheet (SES) Manual - □□□□□□□□ SES□

??????????????CAN-Bus ????????

3.1 CAN-Bus??????

[illegible] CAN-Bus (Controller Area Network) [illegible]

???????

- **120 [illegible]**: [illegible] 120 [illegible]
- [illegible] **(Bus Load)**: [illegible] 80%[illegible] PCAN-View [illegible] Bus Load[illegible] ([illegible] ID)[illegible]

3.2 ?????????

- [illegible]: [illegible] (Shield) [illegible] (Ground Loop)[illegible]

3.3 2026 ???????????

- [illegible] **(IMD)**: [illegible] 500 Ohm/V[illegible] 2 [illegible]
- **TSAL (Tractive System Active Light)**: [illegible]

3.4 ?????CAN DBC ??

DBC (Data Base CAN) □□□□□ CAN □□□□□□□□□□□□□□□ DBC □□□□□□□ MoTeC i2 □□□□□□□□□□□□

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- CAN Bus Explained - A Simple Intro - □□□□□□□□□□
- FSAE EV Electrical Safety Guide - □□□□□□□□□□□
- Vector E-Learning: CAN Basics - □□□□□□□□□□□□□□□

????????????????????

4.1 ???????????

[illegible]

- [illegible]: [illegible] (Epoxy) [illegible] A/B [illegible]
- [illegible]: [illegible] D [illegible]

4.2 ????????????

TIG ?????

- [illegible]: [illegible] 2 [illegible]
- [illegible]: [illegible]

????????

- [illegible] **(Layup Schedule)**: [0/90] [illegible] [+45/-45] [illegible]
- [illegible]: -25 inHg ([illegible] -85 kPa) [illegible] [illegible] *(Fact-checked: Common practice in composites industry)*

4.3 ????????

- [illegible] **(LPI)**: [illegible] (Upright) [illegible] LPI [illegible]

???????

- Workshop Safety Manual Example - 華盛頓大學的安全手冊範本。
- Lincoln Electric Motorsports Welding Guide - 來自焊接巨頭的專業賽車焊接指南。
- Easy Composites Learning Centre - 學習複合材料的最佳線上資源之一。

?????????????????? (DR) ????? (CR)

5.1 ???? (DR)?????????

[illegible]

?????????? DR

- [illegible]: [illegible] (Push-rod)[illegible] (Pull-rod)[illegible] 5% [illegible]
- [illegible] **(FMEA)**: [illegible]

5.2 ???? (CR)?????????

[illegible]

- [illegible]: [illegible] CNC [illegible] 3D [illegible]
- **Real-Case Scenario**: [illegible]

5.3 ???? (BPP)????????????

- [illegible] **(USP)**: [illegible]
- [illegible] **(BMC)**: [illegible]

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- FSAE Cost & Business Guides - □□□□□□□□□□□□
- FSAE Design Review Guidelines (PDF) - □□□□□□□□□□□□□□□
- Strategyzer - Business Model Canvas Explained - □□□□□□□□□□□□□